284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# DATA PACKAGE

## VOLATILE ORGANICS

**PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258**

**AECOM TECHNICAL SERVICES, INC.**

**13640 Briarwick Drive**

**Austin, TX - 78729**

**Phone No: 512-454-4797**

**ORDER ID : Q2345**

**ATTENTION : Eleanor Vivadou**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** Q2345

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

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

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2345-01 | EB02-20250616 |
| Q2345-02 | TB03-20250616 |
| Q2345-03 | BPOW6-1-20250616 |
| Q2345-04 | BPOW6-2-20250616 |
| Q2345-05 | DUP05-20250616 |
| Q2345-06 | BPOW6-3-20250616 |
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| Q2345-09 | BPOW6-5-20250616MSD |
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| Q2345-11 | BPOW6-10-20250616 |
| Q2345-12 | BPOW6-9-20250616 |
| Q2345-13 | TT189D2-20250617 |
| Q2345-14 | TT150S1-20250617 |
| Q2345-15 | RW8-MW01D1-20250617 |
| Q2345-16 | TT192D2-20250617 |
| Q2345-17 | BPOW6-4-20250616 |

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: 6/25/2025

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**
**Order ID # Q2345**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
17 Water samples were received on 06/17/2025.

**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 Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

**E. Additional Comments:**
The Sample #BPOW6-9-20250616 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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.

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**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 |

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

ORDER ID: Q2345 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 Initial Calibration met the requirements.<br>The Continuous Calibration met the requirements. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | ✓ |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria<br>Comments: | | | ✓ |
| 10. | Analysis Holding Time Met<br>If not met, list number of days exceeded for each sample: | | | ✓ |

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

NA NO YES

ADDITIONAL COMMENTS:

The Sample #BPOW6-9-20250616 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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 #:** Q2345

| | 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:** 06/25/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2345 | **OrderDate:** | 6/17/2025 12:40:00 PM |
| **Client:** | AECOM Technical Services, Inc. | **Project:** | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 |
| **Contact:** | Eleanor Vivadou | **Location:** | D61,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2345-01** | **EB02-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/19/25 | |
| **Q2345-02** | **TB03-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-03** | **BPOW6-1-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-04** | **BPOW6-2-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-05** | **DUP05-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-06** | **BPOW6-3-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-07** | **BPOW6-5-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-10** | **BPOW6-6-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-11** | **BPOW6-10-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-12** | **BPOW6-9-20250616** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-13** | **TT189D2-20250617** | **Water** | | | **06/17/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2345-14** | **TT150S1-20250617** | **Water** | | | **06/17/25** | | | **06/17/25** |

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## LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | VOCMS Group1 | 8260-Low | | 06/18/25 | |
| **Q2345-15** | **RW8-MW01D1-20250617** | **Water** | | | **06/17/25** | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | 06/18/25 | |
| **Q2345-16** | **TT192D2-20250617** | **Water** | | | **06/17/25** | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | 06/18/25 | |
| **Q2345-17** | **BPOW6-4-20250616** | **Water** | | | **06/16/25** | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | 06/18/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2345

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **EB02-20250616** | | | | | | | | |
| Q2345-01 | EB02-20250616 | Water | Acetone | 8.70 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q2345-01 | EB02-20250616 | Water | Methylene Chloride | 1.40 | | 0.28 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 10.1 | | | | | |
| | | | **Total Concentration:** | 10.1 | | | | | |
| **Client ID:** | **BPOW6-2-20250616** | | | | | | | | |
| Q2345-04 | BPOW6-2-2025061 | Water | m/p-Xylenes | 0.38 | J | 0.24 | 1.00 | 2.00 | ug/L |
| | | | **Total Voc :** | 0.38 | | | | | |
| | | | **Total Concentration:** | 0.38 | | | | | |
| **Client ID:** | **TT189D2-20250617** | | | | | | | | |
| Q2345-13 | TT189D2-2025061 | Water | Dichlorodifluoromethane | 0.42 | J | 0.22 | 0.50 | 1.00 | ug/L |
| Q2345-13 | TT189D2-2025061 | Water | 1,1,2-Trichlorotrifluoroethane | 12.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| Q2345-13 | TT189D2-2025061 | Water | 1,1-Dichloroethene | 0.80 | J | 0.23 | 0.75 | 1.00 | ug/L |
| Q2345-13 | TT189D2-2025061 | Water | cis-1,2-Dichloroethene | 1.70 | | 0.19 | 0.75 | 1.00 | ug/L |
| Q2345-13 | TT189D2-2025061 | Water | Trichloroethene | 58.6 | | 0.090 | 0.75 | 1.00 | ug/L |
| Q2345-13 | TT189D2-2025061 | Water | Tetrachloroethene | 0.34 | J | 0.23 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 74.3 | | | | | |
| | | | **Total Concentration:** | 74.3 | | | | | |
| **Client ID:** | **TT150S1-20250617** | | | | | | | | |
| Q2345-14 | TT150S1-20250617 | Water | Trichloroethene | 11.1 | | 0.090 | 0.75 | 1.00 | ug/L |
| Q2345-14 | TT150S1-20250617 | Water | Tetrachloroethene | 1.30 | | 0.23 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 12.4 | | | | | |
| | | | **Total Concentration:** | 12.4 | | | | | |
| **Client ID:** | **TT192D2-20250617** | | | | | | | | |
| Q2345-16 | TT192D2-2025061 | Water | Dichlorodifluoromethane | 0.35 | J | 0.22 | 0.50 | 1.00 | ug/L |
| Q2345-16 | TT192D2-2025061 | Water | 1,1,2-Trichlorotrifluoroethane | 0.69 | J | 0.25 | 0.50 | 1.00 | ug/L |
| Q2345-16 | TT192D2-2025061 | Water | Trichloroethene | 0.33 | J | 0.090 | 0.75 | 1.00 | ug/L |
| | | | **Total Voc :** | 1.37 | | | | | |
| | | | **Total Concentration:** | 1.37 | | | | | |
| **Client ID:** | **BPOW6-4-20250616** | | | | | | | | |
| Q2345-17 | BPOW6-4-2025061 | Water | m/p-Xylenes | 0.26 | J | 0.24 | 1.00 | 2.00 | ug/L |
| | | | **Total Voc :** | 0.26 | | | | | |
| | | | **Total Concentration:** | 0.26 | | | | | |

# QC SUMMARY

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

# Surrogate Summary

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q2345-01 | EB02-20250616 | 1,2-Dichloroethane-d4 | 50 | 47.8 | 96 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.0 | 100 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.9 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.9 | 100 | 85 | 114 |
| Q2345-02 | TB03-20250616 | 1,2-Dichloroethane-d4 | 50 | 46.7 | 93 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.1 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.0 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.0 | 98 | 85 | 114 |
| Q2345-03 | BPOW6-1-20250616 | 1,2-Dichloroethane-d4 | 50 | 44.8 | 90 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.9 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.3 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.6 | 97 | 85 | 114 |
| Q2345-04 | BPOW6-2-20250616 | 1,2-Dichloroethane-d4 | 50 | 47.7 | 95 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.3 | 99 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.9 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.2 | 98 | 85 | 114 |
| Q2345-05 | DUP05-20250616 | 1,2-Dichloroethane-d4 | 50 | 46.3 | 93 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.8 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 85 | 114 |
| Q2345-06 | BPOW6-3-20250616 | 1,2-Dichloroethane-d4 | 50 | 46.3 | 93 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 85 | 114 |
| Q2345-07 | BPOW6-5-20250616 | 1,2-Dichloroethane-d4 | 50 | 48.2 | 96 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.2 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.7 | 99 | 85 | 114 |
| Q2345-08MS | BPOW6-5-20250616MS | 1,2-Dichloroethane-d4 | 50 | 50.6 | 101 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.1 | 104 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.3 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.7 | 105 | 85 | 114 |
| Q2345-09MSD | BPOW6-5-20250616MSD | 1,2-Dichloroethane-d4 | 50 | 50.2 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.3 | 103 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.4 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.5 | 105 | 85 | 114 |
| Q2345-10 | BPOW6-6-20250616 | 1,2-Dichloroethane-d4 | 50 | 46.9 | 94 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.7 | 97 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.7 | 95 | 85 | 114 |
| Q2345-11 | BPOW6-10-20250616 | 1,2-Dichloroethane-d4 | 50 | 46.3 | 92 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.8 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.7 | 97 | 85 | 114 |
| Q2345-12 | BPOW6-9-20250616 | 1,2-Dichloroethane-d4 | 50 | 48.2 | 96 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.5 | 99 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.0 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.8 | 98 | 85 | 114 |
| Q2345-13 | TT189D2-20250617 | 1,2-Dichloroethane-d4 | 50 | 47.2 | 94 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.0 | 98 | 80 | 119 |

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# Surrogate Summary

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q2345-13 | TT189D2-20250617 | Toluene-d8 | 50 | 48.8 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.4 | 97 | 85 | 114 |
| Q2345-14 | TT150S1-20250617 | 1,2-Dichloroethane-d4 | 50 | 48.5 | 97 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.3 | 99 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.8 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.3 | 101 | 85 | 114 |
| Q2345-15 | RW8-MW01D1-20250617 | 1,2-Dichloroethane-d4 | 50 | 45.9 | 92 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.1 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.3 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.4 | 97 | 85 | 114 |
| Q2345-16 | TT192D2-20250617 | 1,2-Dichloroethane-d4 | 50 | 47.7 | 95 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.1 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.8 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.2 | 96 | 85 | 114 |
| Q2345-17 | BPOW6-4-20250616 | 1,2-Dichloroethane-d4 | 50 | 47.8 | 96 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.0 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.9 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.2 | 98 | 85 | 114 |
| VX0618WBL01 | VX0618WBL01 | 1,2-Dichloroethane-d4 | 50 | 45.5 | 91 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.8 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.6 | 101 | 85 | 114 |
| VX0618WBS01 | VX0618WBS01 | 1,2-Dichloroethane-d4 | 50 | 49.7 | 99 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.5 | 101 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.3 | 103 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 53.9 | 108 | 85 | 114 |
| VX0619WBL01 | VX0619WBL01 | 1,2-Dichloroethane-d4 | 50 | 48.3 | 97 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.0 | 98 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.0 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.4 | 99 | 85 | 114 |
| VX0619WBS01 | VX0619WBS01 | 1,2-Dichloroethane-d4 | 50 | 49.8 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 52.0 | 104 | 80 | 119 |
| | | Toluene-d8 | 50 | 52.3 | 105 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.1 | 108 | 85 | 114 |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2345

**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 : Q2345-08MS** | | **Client Sample ID : BPOW6-5-20250616MS** | | | | | | **Datafile :** VX046753.D | | | |
| Dichlorodifluoromethane | 50 | 0 | 49.8 | ug/L | 100 | | | | 32 | 152 | |
| Chloromethane | 50 | 0 | 49.2 | ug/L | 98 | | | | 50 | 139 | |
| Vinyl chloride | 50 | 0 | 50.2 | ug/L | 100 | | | | 58 | 137 | |
| Bromomethane | 50 | 0 | 52.0 | ug/L | 104 | | | | 53 | 141 | |
| Chloroethane | 50 | 0 | 49.8 | ug/L | 100 | | | | 60 | 138 | |
| Trichlorofluoromethane | 50 | 0 | 49.1 | ug/L | 98 | | | | 65 | 141 | |
| 1,1,2-Trichlorotrifluoroethane | 50 | 0 | 48.4 | ug/L | 97 | | | | 70 | 136 | |
| 1,1-Dichloroethene | 50 | 0 | 50.3 | ug/L | 101 | | | | 71 | 131 | |
| Acetone | 250 | 0 | 210 | ug/L | 84 | | | | 39 | 160 | |
| Carbon disulfide | 50 | 0 | 46.2 | ug/L | 92 | | | | 64 | 133 | |
| Methyl tert-butyl Ether | 50 | 0 | 46.1 | ug/L | 92 | | | | 71 | 124 | |
| Methyl Acetate | 50 | 0 | 44.5 | ug/L | 89 | | | | 56 | 136 | |
| Methylene Chloride | 50 | 0 | 47.6 | ug/L | 95 | | | | 74 | 124 | |
| trans-1,2-Dichloroethene | 50 | 0 | 48.8 | ug/L | 98 | | | | 75 | 124 | |
| 1,1-Dichloroethane | 50 | 0 | 48.4 | ug/L | 97 | | | | 77 | 125 | |
| Cyclohexane | 50 | 0 | 47.0 | ug/L | 94 | | | | 71 | 130 | |
| 2-Butanone | 250 | 0 | 220 | ug/L | 88 | | | | 56 | 143 | |
| Carbon Tetrachloride | 50 | 0 | 45.8 | ug/L | 92 | | | | 72 | 136 | |
| cis-1,2-Dichloroethene | 50 | 0 | 48.7 | ug/L | 97 | | | | 78 | 123 | |
| Bromochloromethane | 50 | 0 | 53.2 | ug/L | 106 | | | | 78 | 123 | |
| Chloroform | 50 | 0 | 49.4 | ug/L | 99 | | | | 79 | 124 | |
| 1,1,1-Trichloroethane | 50 | 0 | 47.5 | ug/L | 95 | | | | 74 | 131 | |
| Methylcyclohexane | 50 | 0 | 45.6 | ug/L | 91 | | | | 72 | 132 | |
| Benzene | 50 | 0 | 48.0 | ug/L | 96 | | | | 79 | 120 | |
| 1,2-Dichloroethane | 50 | 0 | 46.8 | ug/L | 94 | | | | 73 | 128 | |
| Trichloroethene | 50 | 0 | 47.1 | ug/L | 94 | | | | 79 | 123 | |
| 1,2-Dichloropropane | 50 | 0 | 47.8 | ug/L | 96 | | | | 78 | 122 | |
| Bromodichloromethane | 50 | 0 | 47.9 | ug/L | 96 | | | | 79 | 125 | |
| 4-Methyl-2-Pentanone | 250 | 0 | 230 | ug/L | 92 | | | | 67 | 130 | |
| Toluene | 50 | 0 | 48.2 | ug/L | 96 | | | | 80 | 121 | |
| t-1,3-Dichloropropene | 50 | 0 | 46.5 | ug/L | 93 | | | | 73 | 127 | |
| cis-1,3-Dichloropropene | 50 | 0 | 45.8 | ug/L | 92 | | | | 75 | 124 | |
| 1,1,2-Trichloroethane | 50 | 0 | 47.1 | ug/L | 94 | | | | 80 | 119 | |
| 2-Hexanone | 250 | 0 | 220 | ug/L | 88 | | | | 57 | 139 | |
| Dibromochloromethane | 50 | 0 | 47.5 | ug/L | 95 | | | | 74 | 126 | |
| 1,2-Dibromoethane | 50 | 0 | 47.6 | ug/L | 95 | | | | 77 | 121 | |
| Tetrachloroethene | 50 | 0 | 44.6 | ug/L | 89 | | | | 74 | 129 | |
| Chlorobenzene | 50 | 0 | 46.8 | ug/L | 94 | | | | 82 | 118 | |
| Ethyl Benzene | 50 | 0 | 46.6 | ug/L | 93 | | | | 79 | 121 | |
| m/p-Xylenes | 100 | 0 | 95.0 | ug/L | 95 | | | | 80 | 121 | |
| o-Xylene | 50 | 0 | 48.2 | ug/L | 96 | | | | 78 | 122 | |
| Styrene | 50 | 0 | 47.7 | ug/L | 95 | | | | 78 | 123 | |
| Bromoform | 50 | 0 | 44.8 | ug/L | 90 | | | | 66 | 130 | |
| Isopropylbenzene | 50 | 0 | 47.1 | ug/L | 94 | | | | 72 | 131 | |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 45.8 | ug/L | 92 | | | | 71 | 121 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2345

**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 | 44.1 | ug/L | 88 | | | | 80 | 119 | |
| 1,4-Dichlorobenzene | 50 | 0 | 43.2 | ug/L | 86 | | | | 79 | 118 | |
| 1,2-Dichlorobenzene | 50 | 0 | 45.7 | ug/L | 91 | | | | 80 | 119 | |
| 1,2-Dibromo-3-Chloropropane | 50 | 0 | 42.6 | ug/L | 85 | | | | 62 | 128 | |
| 1,2,4-Trichlorobenzene | 50 | 0 | 43.8 | ug/L | 88 | | | | 69 | 130 | |
| 1,2,3-Trichlorobenzene | 50 | 0 | 45.2 | ug/L | 90 | | | | 69 | 129 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2345

**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 :** Q2345-09MSD | **Client Sample ID :** BPOW6-5-20250616MSD | | | | | | | **Datafile :** VX046754.D | | | |
| Dichlorodifluoromethane | 50 | 0 | 49.2 | ug/L | 98 | | 1 | | 32 | 152 | 20 |
| Chloromethane | 50 | 0 | 48.3 | ug/L | 97 | | 2 | | 50 | 139 | 20 |
| Vinyl chloride | 50 | 0 | 49.5 | ug/L | 99 | | 1 | | 58 | 137 | 20 |
| Bromomethane | 50 | 0 | 54.5 | ug/L | 109 | | 5 | | 53 | 141 | 20 |
| Chloroethane | 50 | 0 | 50.6 | ug/L | 101 | | 2 | | 60 | 138 | 20 |
| Trichlorofluoromethane | 50 | 0 | 47.9 | ug/L | 96 | | 2 | | 65 | 141 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 50 | 0 | 47.4 | ug/L | 95 | | 2 | | 70 | 136 | 20 |
| 1,1-Dichloroethene | 50 | 0 | 49.4 | ug/L | 99 | | 2 | | 71 | 131 | 20 |
| Acetone | 250 | 0 | 210 | ug/L | 84 | | 0 | | 39 | 160 | 20 |
| Carbon disulfide | 50 | 0 | 45.7 | ug/L | 91 | | 1 | | 64 | 133 | 20 |
| Methyl tert-butyl Ether | 50 | 0 | 46.8 | ug/L | 94 | | 2 | | 71 | 124 | 20 |
| Methyl Acetate | 50 | 0 | 43.1 | ug/L | 86 | | 3 | | 56 | 136 | 20 |
| Methylene Chloride | 50 | 0 | 46.5 | ug/L | 93 | | 2 | | 74 | 124 | 20 |
| trans-1,2-Dichloroethene | 50 | 0 | 47.6 | ug/L | 95 | | 2 | | 75 | 124 | 20 |
| 1,1-Dichloroethane | 50 | 0 | 48.6 | ug/L | 97 | | 0 | | 77 | 125 | 20 |
| Cyclohexane | 50 | 0 | 47.2 | ug/L | 94 | | 0 | | 71 | 130 | 20 |
| 2-Butanone | 250 | 0 | 230 | ug/L | 92 | | 4 | | 56 | 143 | 20 |
| Carbon Tetrachloride | 50 | 0 | 47.0 | ug/L | 94 | | 3 | | 72 | 136 | 20 |
| cis-1,2-Dichloroethene | 50 | 0 | 48.7 | ug/L | 97 | | 0 | | 78 | 123 | 20 |
| Bromochloromethane | 50 | 0 | 55.8 | ug/L | 112 | | 5 | | 78 | 123 | 20 |
| Chloroform | 50 | 0 | 49.8 | ug/L | 100 | | 1 | | 79 | 124 | 20 |
| 1,1,1-Trichloroethane | 50 | 0 | 48.6 | ug/L | 97 | | 2 | | 74 | 131 | 20 |
| Methylcyclohexane | 50 | 0 | 46.2 | ug/L | 92 | | 1 | | 72 | 132 | 20 |
| Benzene | 50 | 0 | 48.6 | ug/L | 97 | | 1 | | 79 | 120 | 20 |
| 1,2-Dichloroethane | 50 | 0 | 47.7 | ug/L | 95 | | 2 | | 73 | 128 | 20 |
| Trichloroethene | 50 | 0 | 48.0 | ug/L | 96 | | 2 | | 79 | 123 | 20 |
| 1,2-Dichloropropane | 50 | 0 | 49.2 | ug/L | 98 | | 3 | | 78 | 122 | 20 |
| Bromodichloromethane | 50 | 0 | 48.8 | ug/L | 98 | | 2 | | 79 | 125 | 20 |
| 4-Methyl-2-Pentanone | 250 | 0 | 230 | ug/L | 92 | | 0 | | 67 | 130 | 20 |
| Toluene | 50 | 0 | 48.8 | ug/L | 98 | | 1 | | 80 | 121 | 20 |
| t-1,3-Dichloropropene | 50 | 0 | 48.3 | ug/L | 97 | | 4 | | 73 | 127 | 20 |
| cis-1,3-Dichloropropene | 50 | 0 | 48.0 | ug/L | 96 | | 5 | | 75 | 124 | 20 |
| 1,1,2-Trichloroethane | 50 | 0 | 48.6 | ug/L | 97 | | 3 | | 80 | 119 | 20 |
| 2-Hexanone | 250 | 0 | 230 | ug/L | 92 | | 4 | | 57 | 139 | 20 |
| Dibromochloromethane | 50 | 0 | 48.3 | ug/L | 97 | | 2 | | 74 | 126 | 20 |
| 1,2-Dibromoethane | 50 | 0 | 48.5 | ug/L | 97 | | 2 | | 77 | 121 | 20 |
| Tetrachloroethene | 50 | 0 | 44.7 | ug/L | 89 | | 0 | | 74 | 129 | 20 |
| Chlorobenzene | 50 | 0 | 46.8 | ug/L | 94 | | 0 | | 82 | 118 | 20 |
| Ethyl Benzene | 50 | 0 | 47.1 | ug/L | 94 | | 1 | | 79 | 121 | 20 |
| m/p-Xylenes | 100 | 0 | 95.0 | ug/L | 95 | | 0 | | 80 | 121 | 20 |
| o-Xylene | 50 | 0 | 49.3 | ug/L | 99 | | 2 | | 78 | 122 | 20 |
| Styrene | 50 | 0 | 48.6 | ug/L | 97 | | 2 | | 78 | 123 | 20 |
| Bromoform | 50 | 0 | 45.9 | ug/L | 92 | | 2 | | 66 | 130 | 20 |
| Isopropylbenzene | 50 | 0 | 48.1 | ug/L | 96 | | 2 | | 72 | 131 | 20 |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 47.1 | ug/L | 94 | | 3 | | 71 | 121 | 20 |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2345

**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 | 44.9 | ug/L | 90 | | 2 | | 80 | 119 | 20 |
| 1,4-Dichlorobenzene | 50 | 0 | 43.9 | ug/L | 88 | | 2 | | 79 | 118 | 20 |
| 1,2-Dichlorobenzene | 50 | 0 | 46.9 | ug/L | 94 | | 3 | | 80 | 119 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50 | 0 | 44.3 | ug/L | 89 | | 4 | | 62 | 128 | 20 |
| 1,2,4-Trichlorobenzene | 50 | 0 | 45.4 | ug/L | 91 | | 4 | | 69 | 130 | 20 |
| 1,2,3-Trichlorobenzene | 50 | 0 | 46.7 | ug/L | 93 | | 3 | | 69 | 129 | 20 |

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

**SW-846**

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low **Datafile :** VX046731.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0618WBS01 | Dichlorodifluoromethane | 20 | 19.7 | ug/L | 99 | | | 32 | 152 | |
| | Chloromethane | 20 | 19.2 | ug/L | 96 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 19.2 | ug/L | 96 | | | 58 | 137 | |
| | Bromomethane | 20 | 21.9 | ug/L | 110 | | | 53 | 141 | |
| | Chloroethane | 20 | 19.2 | ug/L | 96 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 19.2 | ug/L | 96 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.1 | ug/L | 96 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 18.7 | ug/L | 94 | | | 71 | 131 | |
| | Acetone | 100 | 89.9 | ug/L | 90 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.4 | ug/L | 87 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 18.0 | ug/L | 90 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 17.9 | ug/L | 90 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 18.2 | ug/L | 91 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 18.4 | ug/L | 92 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 18.7 | ug/L | 94 | | | 77 | 125 | |
| | Cyclohexane | 20 | 18.8 | ug/L | 94 | | | 71 | 130 | |
| | 2-Butanone | 100 | 89.9 | ug/L | 90 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.4 | ug/L | 92 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 18.8 | ug/L | 94 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 22.0 | ug/L | 110 | | | 78 | 123 | |
| | Chloroform | 20 | 18.9 | ug/L | 95 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 18.8 | ug/L | 94 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 18.6 | ug/L | 93 | | | 72 | 132 | |
| | Benzene | 20 | 18.8 | ug/L | 94 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 18.8 | ug/L | 94 | | | 73 | 128 | |
| | Trichloroethene | 20 | 18.3 | ug/L | 92 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 18.5 | ug/L | 93 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.7 | ug/L | 94 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 91.3 | ug/L | 91 | | | 67 | 130 | |
| | Toluene | 20 | 19.1 | ug/L | 96 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.3 | ug/L | 92 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 18.4 | ug/L | 92 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 18.7 | ug/L | 94 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 92.2 | ug/L | 92 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.8 | ug/L | 94 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 19.1 | ug/L | 96 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 18.1 | ug/L | 91 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 18.3 | ug/L | 92 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 18.3 | ug/L | 92 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 37.2 | ug/L | 93 | | | 80 | 121 | |
| | o-Xylene | 20 | 19.1 | ug/L | 96 | | | 78 | 122 | |
| | Styrene | 20 | 18.8 | ug/L | 94 | | | 78 | 123 | |
| | Bromoform | 20 | 17.9 | ug/L | 90 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 17.9 | ug/L | 90 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 17.6 | ug/L | 88 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 17.2 | ug/L | 86 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 17.1 | ug/L | 86 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 17.8 | ug/L | 89 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low **Datafile :** VX046731.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0618WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 16.3 | ug/L | 81 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 17.4 | ug/L | 87 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 17.4 | ug/L | 87 | | | 69 | 129 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low **Datafile :** VX046762.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0619WBS01 | Dichlorodifluoromethane | 20 | 19.1 | ug/L | 96 | | | 32 | 152 | |
| | Chloromethane | 20 | 18.7 | ug/L | 94 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 18.9 | ug/L | 95 | | | 58 | 137 | |
| | Bromomethane | 20 | 21.2 | ug/L | 106 | | | 53 | 141 | |
| | Chloroethane | 20 | 19.9 | ug/L | 100 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 18.4 | ug/L | 92 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.5 | ug/L | 93 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 18.6 | ug/L | 93 | | | 71 | 131 | |
| | Acetone | 100 | 74.1 | ug/L | 74 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.0 | ug/L | 85 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 17.0 | ug/L | 85 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 16.0 | ug/L | 80 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 18.1 | ug/L | 91 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 18.3 | ug/L | 92 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 18.5 | ug/L | 93 | | | 77 | 125 | |
| | Cyclohexane | 20 | 18.8 | ug/L | 94 | | | 71 | 130 | |
| | 2-Butanone | 100 | 78.9 | ug/L | 79 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.0 | ug/L | 90 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 18.6 | ug/L | 93 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 20.8 | ug/L | 104 | | | 78 | 123 | |
| | Chloroform | 20 | 19.0 | ug/L | 95 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 17.7 | ug/L | 89 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 18.5 | ug/L | 93 | | | 72 | 132 | |
| | Benzene | 20 | 18.9 | ug/L | 95 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 18.5 | ug/L | 93 | | | 73 | 128 | |
| | Trichloroethene | 20 | 18.4 | ug/L | 92 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 18.4 | ug/L | 92 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.9 | ug/L | 95 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 81.6 | ug/L | 82 | | | 67 | 130 | |
| | Toluene | 20 | 19.0 | ug/L | 95 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.0 | ug/L | 90 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 18.2 | ug/L | 91 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 18.5 | ug/L | 93 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 78.9 | ug/L | 79 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.4 | ug/L | 92 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 18.0 | ug/L | 90 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 17.7 | ug/L | 89 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 18.0 | ug/L | 90 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 18.0 | ug/L | 90 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 37.2 | ug/L | 93 | | | 80 | 121 | |
| | o-Xylene | 20 | 18.6 | ug/L | 93 | | | 78 | 122 | |
| | Styrene | 20 | 18.3 | ug/L | 92 | | | 78 | 123 | |
| | Bromoform | 20 | 16.7 | ug/L | 84 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 18.1 | ug/L | 91 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 17.3 | ug/L | 86 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 17.8 | ug/L | 89 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 17.5 | ug/L | 88 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 18.1 | ug/L | 91 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2345

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

**Analytical Method:** SW8260-Low **Datafile :** VX046762.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0619WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 15.1 | ug/L | 76 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 17.1 | ug/L | 86 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 17.6 | ug/L | 88 | | | 69 | 129 | |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0618WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046730.D Lab Sample ID: VX0618WBL01

Date Analyzed: 06/18/2025 Time Analyzed: 10:45

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 |
|---|---|---|---|
| VX0618WBS01 | VX0618WBS01 | VX046731.D | 06/18/2025 |
| TB03-20250616 | Q2345-02 | VX046734.D | 06/18/2025 |
| BPOW6-1-20250616 | Q2345-03 | VX046735.D | 06/18/2025 |
| BPOW6-2-20250616 | Q2345-04 | VX046736.D | 06/18/2025 |
| DUP05-20250616 | Q2345-05 | VX046737.D | 06/18/2025 |
| BPOW6-3-20250616 | Q2345-06 | VX046738.D | 06/18/2025 |
| BPOW6-5-20250616 | Q2345-07 | VX046739.D | 06/18/2025 |
| BPOW6-6-20250616 | Q2345-10 | VX046740.D | 06/18/2025 |
| BPOW6-10-20250616 | Q2345-11 | VX046741.D | 06/18/2025 |
| BPOW6-9-20250616 | Q2345-12 | VX046742.D | 06/18/2025 |
| TT189D2-20250617 | Q2345-13 | VX046743.D | 06/18/2025 |
| TT150S1-20250617 | Q2345-14 | VX046744.D | 06/18/2025 |
| RW8-MW01D1-20250617 | Q2345-15 | VX046745.D | 06/18/2025 |
| TT192D2-20250617 | Q2345-16 | VX046746.D | 06/18/2025 |
| BPOW6-4-20250616 | Q2345-17 | VX046747.D | 06/18/2025 |
| BPOW6-5-20250616MS | Q2345-08MS | VX046753.D | 06/18/2025 |
| BPOW6-5-20250616MSD | Q2345-09MSD | VX046754.D | 06/18/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0619WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046760.D Lab Sample ID: VX0619WBL01

Date Analyzed: 06/19/2025 Time Analyzed: 10:33

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 |
|---|---|---|---|
| EB02-20250616 | Q2345-01 | VX046761.D | 06/19/2025 |
| VX0619WBS01 | VX0619WBS01 | VX046762.D | 06/19/2025 |

COMMENTS:

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

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046715.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:46

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 | 18.7 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 72 ( 96.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6 ) 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 |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VX046718.D | 06/17/2025 | 11:19 |
| VSTDICC020 | VSTDICC020 | VX046719.D | 06/17/2025 | 13:59 |
| VSTDICCC050 | VSTDICCC050 | VX046720.D | 06/17/2025 | 14:20 |
| VSTDICC100 | VSTDICC100 | VX046721.D | 06/17/2025 | 14:41 |
| VSTDICC150 | VSTDICC150 | VX046722.D | 06/17/2025 | 15:02 |
| VSTDICC001 | VSTDICC001 | VX046725.D | 06/17/2025 | 17:18 |

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

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046727.D BFB Injection Date: 06/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:59

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 | 18.9 |
| 75 | 30.0 - 60.0% of mass 95 | 50.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 71.4 ( 96.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.3 ) 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 | VX046728.D | 06/18/2025 | 09:33 |
| VX0618WBL01 | VX0618WBL01 | VX046730.D | 06/18/2025 | 10:45 |
| VX0618WBS01 | VX0618WBS01 | VX046731.D | 06/18/2025 | 11:07 |
| TB03-20250616 | Q2345-02 | VX046734.D | 06/18/2025 | 12:12 |
| BPOW6-1-20250616 | Q2345-03 | VX046735.D | 06/18/2025 | 12:33 |
| BPOW6-2-20250616 | Q2345-04 | VX046736.D | 06/18/2025 | 12:54 |
| DUP05-20250616 | Q2345-05 | VX046737.D | 06/18/2025 | 13:15 |
| BPOW6-3-20250616 | Q2345-06 | VX046738.D | 06/18/2025 | 13:37 |
| BPOW6-5-20250616 | Q2345-07 | VX046739.D | 06/18/2025 | 13:58 |
| BPOW6-6-20250616 | Q2345-10 | VX046740.D | 06/18/2025 | 14:20 |
| BPOW6-10-20250616 | Q2345-11 | VX046741.D | 06/18/2025 | 14:41 |
| BPOW6-9-20250616 | Q2345-12 | VX046742.D | 06/18/2025 | 15:03 |
| TT189D2-20250617 | Q2345-13 | VX046743.D | 06/18/2025 | 15:24 |
| TT150S1-20250617 | Q2345-14 | VX046744.D | 06/18/2025 | 15:46 |
| RW8-MW01D1-20250617 | Q2345-15 | VX046745.D | 06/18/2025 | 16:07 |
| TT192D2-20250617 | Q2345-16 | VX046746.D | 06/18/2025 | 16:29 |
| BPOW6-4-20250616 | Q2345-17 | VX046747.D | 06/18/2025 | 16:50 |
| BPOW6-5-20250616MS | Q2345-08MS | VX046753.D | 06/18/2025 | 18:58 |

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

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046727.D BFB Injection Date: 06/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:59

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 | 18.9 |
| 75 | 30.0 - 60.0% of mass 95 | 50.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 71.4 ( 96.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.3 ) 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 |
|---|---|---|---|---|
| BPOW6-5-20250616MSD | Q2345-09MSD | VX046754.D | 06/18/2025 | 19:19 |
| VSTDCCC050EC | VSTDCCC050 | VX046756.D | 06/18/2025 | 20:01 |

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

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046757.D BFB Injection Date: 06/19/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:42

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 | 18.8 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 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 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 72.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.7 ( 7.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 71.1 ( 97.9 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.3 ) 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 | VX046758.D | 06/19/2025 | 09:43 |
| VX0619WBL01 | VX0619WBL01 | VX046760.D | 06/19/2025 | 10:33 |
| EB02-20250616 | Q2345-01 | VX046761.D | 06/19/2025 | 11:03 |
| VX0619WBS01 | VX0619WBS01 | VX046762.D | 06/19/2025 | 11:24 |
| VSTDCCC050EC | VSTDCCC050 | VX046775.D | 06/19/2025 | 17:10 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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 | 153144 | 5.56 | 247293 | 6.76 | 216990 | 10.06 |
| UPPER LIMIT | 306288 | 6.056 | 494586 | 7.263 | 433980 | 10.555 |
| LOWER LIMIT | 76572 | 5.056 | 123647 | 6.263 | 108495 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| TB03-20250616 | 131404 | 5.57 | 213527 | 6.77 | 190496 | 10.06 |
| BPOW6-1-20250616 | 208218 | 5.56 | 333734 | 6.77 | 292626 | 10.06 |
| BPOW6-2-20250616 | 133570 | 5.56 | 218146 | 6.77 | 194756 | 10.06 |
| DUP05-20250616 | 201684 | 5.57 | 330858 | 6.77 | 287321 | 10.06 |
| BPOW6-3-20250616 | 203124 | 5.56 | 332589 | 6.77 | 290067 | 10.06 |
| BPOW6-5-20250616 | 138024 | 5.57 | 229333 | 6.77 | 204785 | 10.06 |
| BPOW6-5-20250616MS | 143057 | 5.56 | 240999 | 6.77 | 215546 | 10.06 |
| BPOW6-5-20250616MSD | 136146 | 5.56 | 229178 | 6.77 | 208450 | 10.06 |
| BPOW6-6-20250616 | 202843 | 5.57 | 334138 | 6.77 | 291485 | 10.06 |
| BPOW6-10-20250616 | 221164 | 5.56 | 359780 | 6.77 | 315084 | 10.06 |
| BPOW6-9-20250616 | 133892 | 5.57 | 222699 | 6.78 | 198876 | 10.06 |
| TT189D2-20250617 | 217878 | 5.57 | 358276 | 6.77 | 311829 | 10.06 |
| TT150S1-20250617 | 128949 | 5.57 | 213744 | 6.77 | 192588 | 10.06 |
| RW8-MW01D1-20250617 | 226176 | 5.57 | 367631 | 6.77 | 322256 | 10.06 |
| TT192D2-20250617 | 133130 | 5.57 | 221280 | 6.77 | 195519 | 10.06 |
| BPOW6-4-20250616 | 210931 | 5.56 | 348901 | 6.77 | 308900 | 10.06 |
| VX0618WBL01 | 167417 | 5.56 | 270618 | 6.76 | 242123 | 10.06 |
| VX0618WBS01 | 156160 | 5.56 | 258286 | 6.77 | 234034 | 10.06 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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 | 153144 | 5.56 | 247293 | 6.76 | 216990 | 10.06 |
| UPPER LIMIT | 306288 | 6.056 | 494586 | 7.263 | 433980 | 10.555 |
| LOWER LIMIT | 76572 | 5.056 | 123647 | 6.263 | 108495 | 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.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 104970 | 12.018 | | | | |
| UPPER LIMIT | 209940 | 12.518 | | | | |
| LOWER LIMIT | 52485 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| TB03-20250616 | 88415 | 12.02 | | | | |
| BPOW6-1-20250616 | 140376 | 12.02 | | | | |
| BPOW6-2-20250616 | 93153 | 12.02 | | | | |
| DUP05-20250616 | 137822 | 12.02 | | | | |
| BPOW6-3-20250616 | 141430 | 12.02 | | | | |
| BPOW6-5-20250616 | 98514 | 12.02 | | | | |
| BPOW6-5-20250616MS | 107663 | 12.02 | | | | |
| BPOW6-5-20250616MSD | 102802 | 12.02 | | | | |
| BPOW6-6-20250616 | 140253 | 12.02 | | | | |
| BPOW6-10-20250616 | 151979 | 12.02 | | | | |
| BPOW6-9-20250616 | 94577 | 12.02 | | | | |
| TT189D2-20250617 | 149381 | 12.02 | | | | |
| TT150S1-20250617 | 93953 | 12.02 | | | | |
| RW8-MW01D1-20250617 | 153646 | 12.02 | | | | |
| TT192D2-20250617 | 93964 | 12.02 | | | | |
| BPOW6-4-20250616 | 147369 | 12.02 | | | | |
| VX0618WBL01 | 121135 | 12.02 | | | | |
| VX0618WBS01 | 121898 | 12.02 | | | | |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 104970 | 12.018 | | | | |
| UPPER LIMIT | 209940 | 12.518 | | | | |
| LOWER LIMIT | 52485 | 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.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046758.D Date Analyzed: 06/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:43

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 | 137182 | 5.56 | 224265 | 6.76 | 197740 | 10.05 |
| UPPER LIMIT | 274364 | 6.056 | 448530 | 7.263 | 395480 | 10.549 |
| LOWER LIMIT | 68591 | 5.056 | 112133 | 6.263 | 98870 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| EB02-20250616 | 124608 | 5.56 | 209152 | 6.76 | 190032 | 10.06 |
| VX0619WBL01 | 124937 | 5.56 | 212303 | 6.77 | 191555 | 10.06 |
| VX0619WBS01 | 137936 | 5.56 | 227140 | 6.77 | 207463 | 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.

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Fax : 908 789 8922

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q2345 SAS No.: Q2345 SDG NO.: Q2345

Lab File ID: VX046758.D Date Analyzed: 06/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:43

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 96867 | 12.018 | | | | |
| UPPER LIMIT | 193734 | 12.518 | | | | |
| LOWER LIMIT | 48433.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| EB02-20250616 | 90738 | 12.02 | | | | |
| VX0619WBL01 | 93040 | 12.02 | | | | |
| VX0619WBS01 | 104652 | 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.

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | EB02-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046761.D | 1 | | 06/19/25 11:03 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 8.70 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 1.40 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | EB02-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046761.D | 1 | | 06/19/25 11:03 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.8 | | 81 - 118 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.0 | | 80 - 119 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.9 | | 85 - 114 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 125000 | 5.556 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 209000 | 6.763 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 190000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 90700 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | EB02-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046761.D | 1 | | 06/19/25 11:03 | VX061925 |

| 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\VX061925\
Data File : VX046761.D
Acq On : 19 Jun 2025 11:03
Operator : JC/MD
Sample : Q2345-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Quant Time: Jun 20 05:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

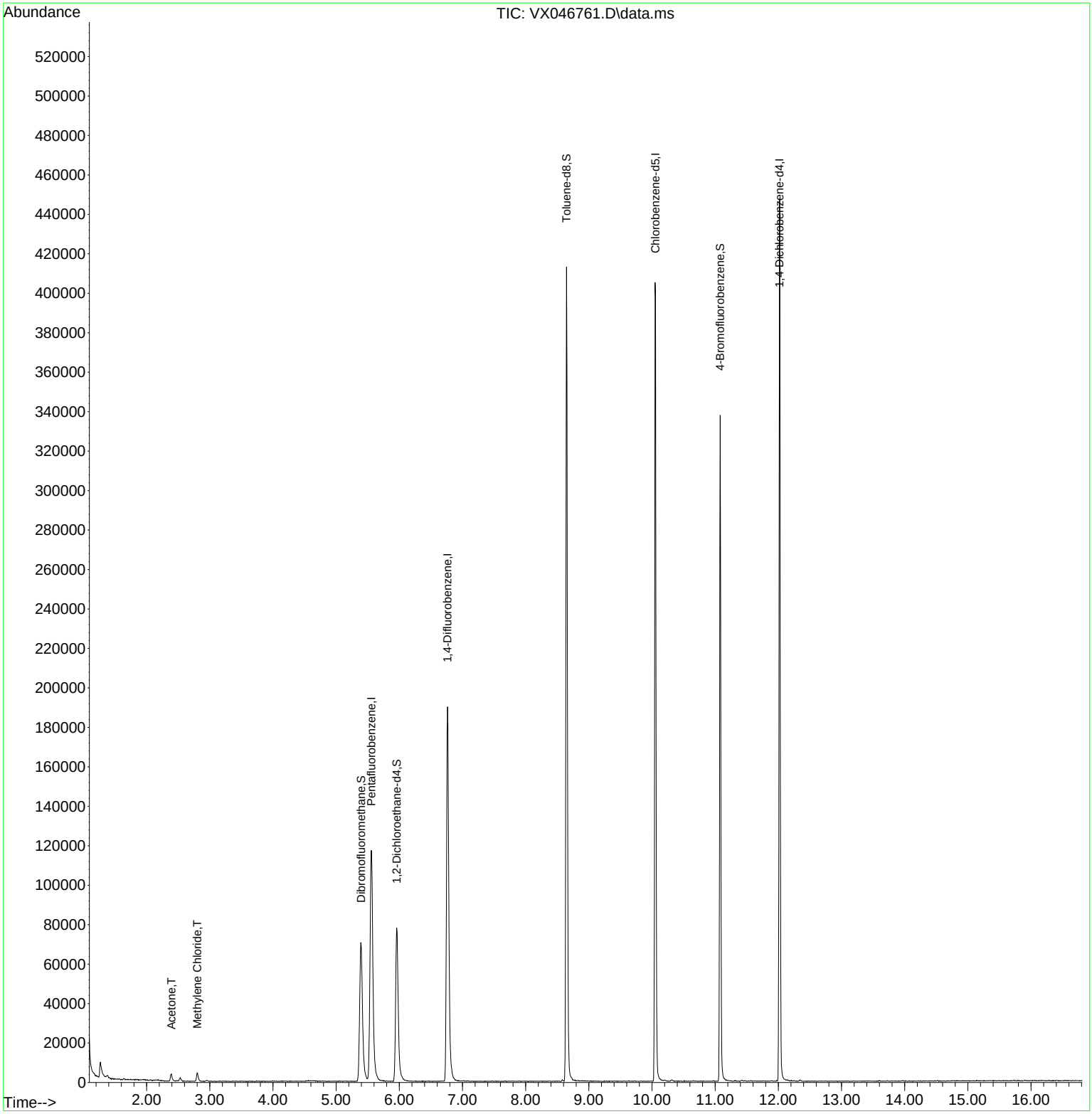
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 124608 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 209152 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190032 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 90738 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 82438 | 47.830 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 95.660% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 69253 | 50.045 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.080% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 247834 | 49.849 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.700% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92518 | 49.921 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.392 | 43 | 5018 | 8.731 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 2259 | 1.413 | ug/l | 90 |

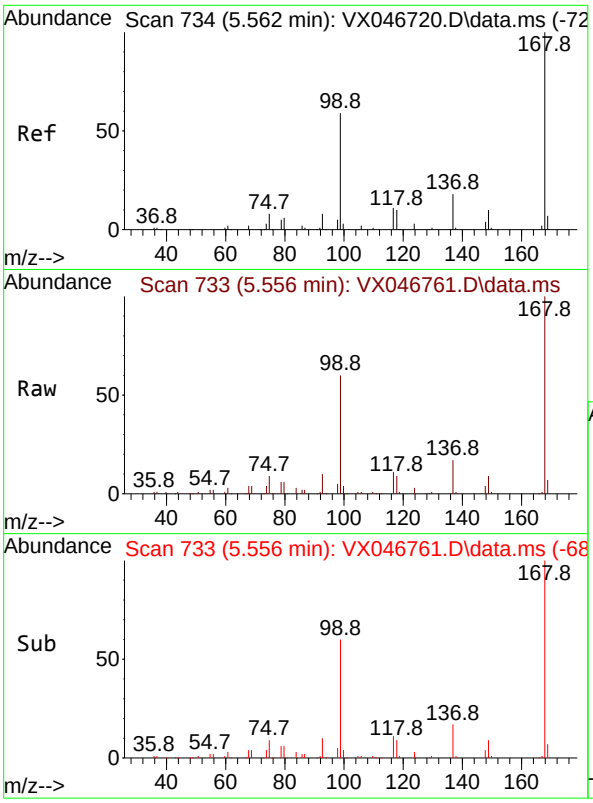
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046761.D
Acq On : 19 Jun 2025 11:03
Operator : JC/MD
Sample : Q2345-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Quant Time: Jun 20 05:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



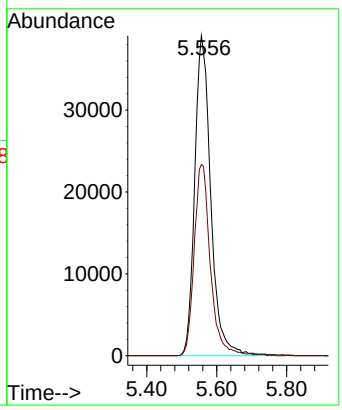


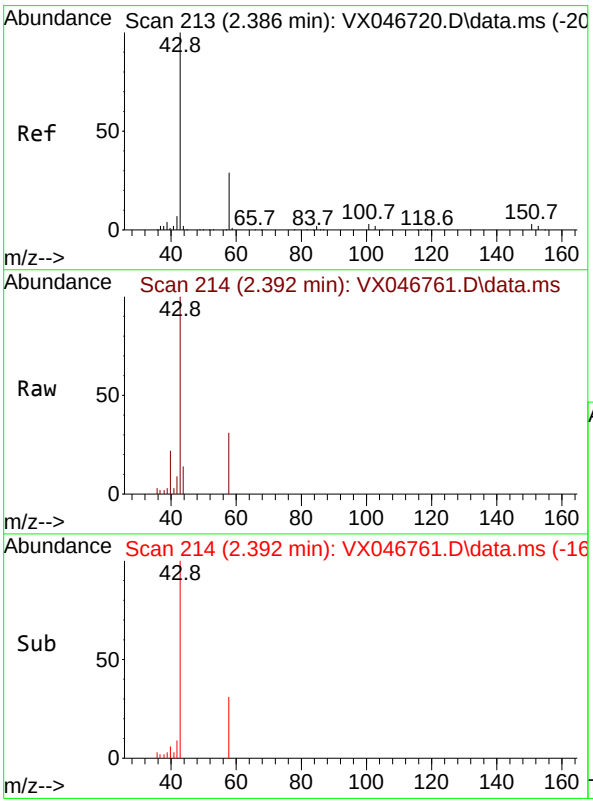

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Tgt Ion:168 Resp: 124608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 48.5 | 72.7 |

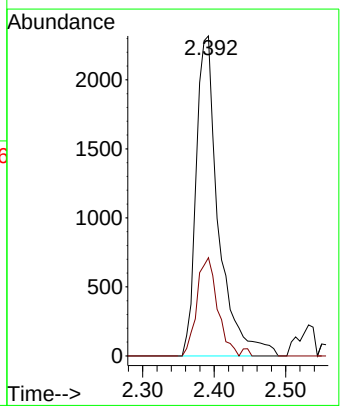


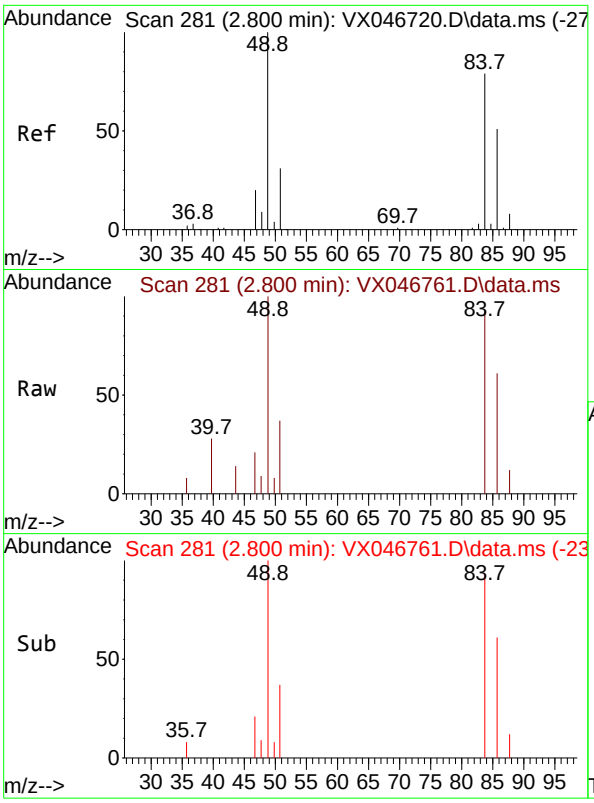




#16
Acetone
Concen: 8.731 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

Tgt Ion: 43 Resp: 5018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 24.5 | 36.7 |



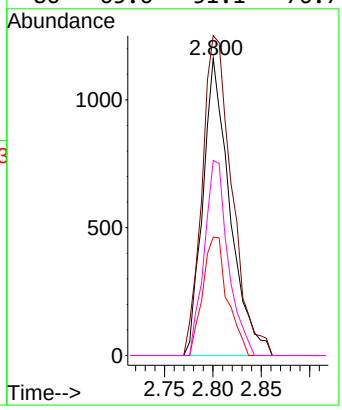


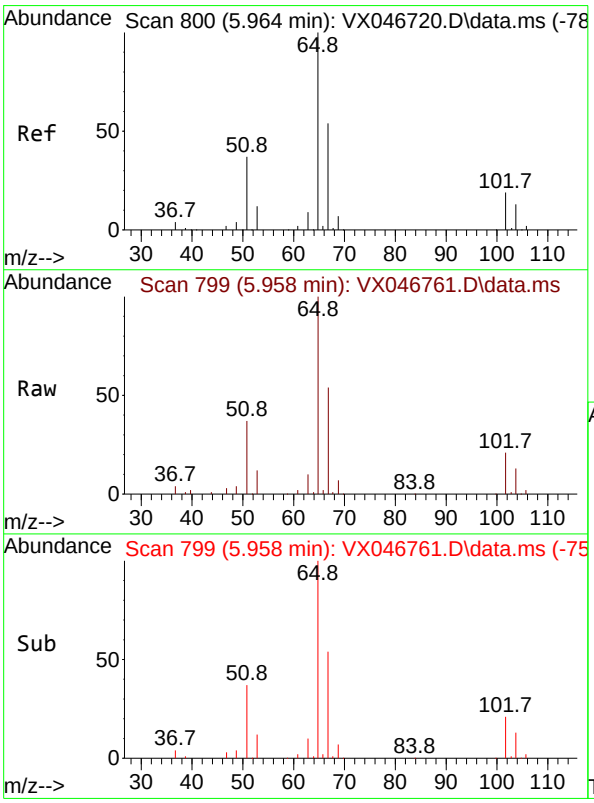

#20
Methylene Chloride
Concen: 1.413 ug/l
RT: 2.800 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Tgt Ion: 84 Resp: 2259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 107.6 | 101.3 | 151.9 |
| 51 | 39.8 | 31.0 | 46.6 |
| 86 | 65.6 | 51.1 | 76.7 |

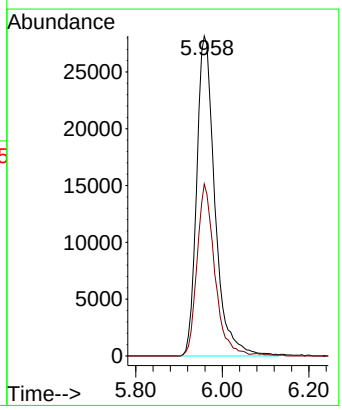


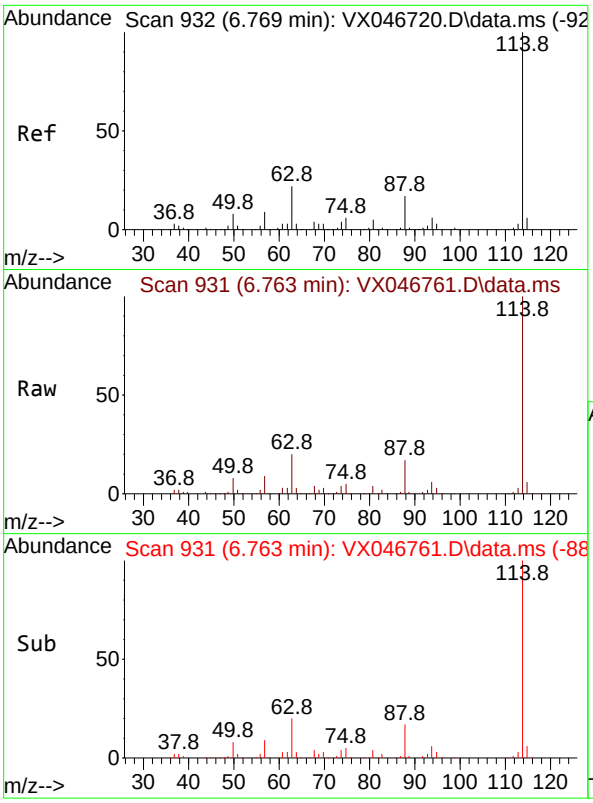




#33
1,2-Dichloroethane-d4
Concen: 47.830 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

Tgt Ion: 65 Resp: 82438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 105.4 |



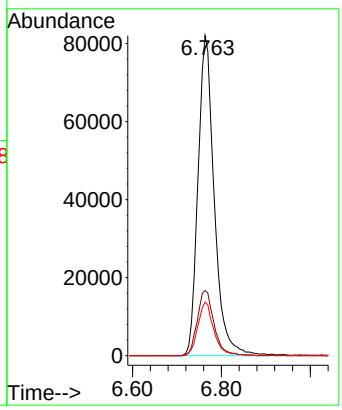


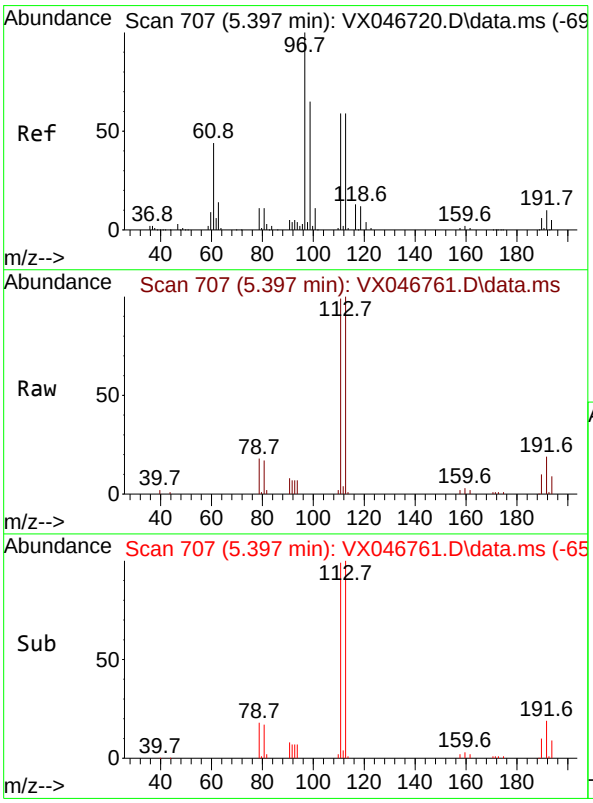

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Tgt Ion:114 Resp: 209152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 44.2 |
| 88 | 16.7 | 0.0 | 33.2 |

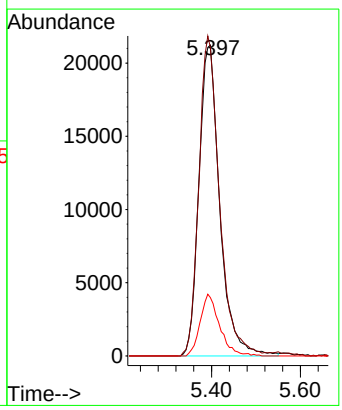


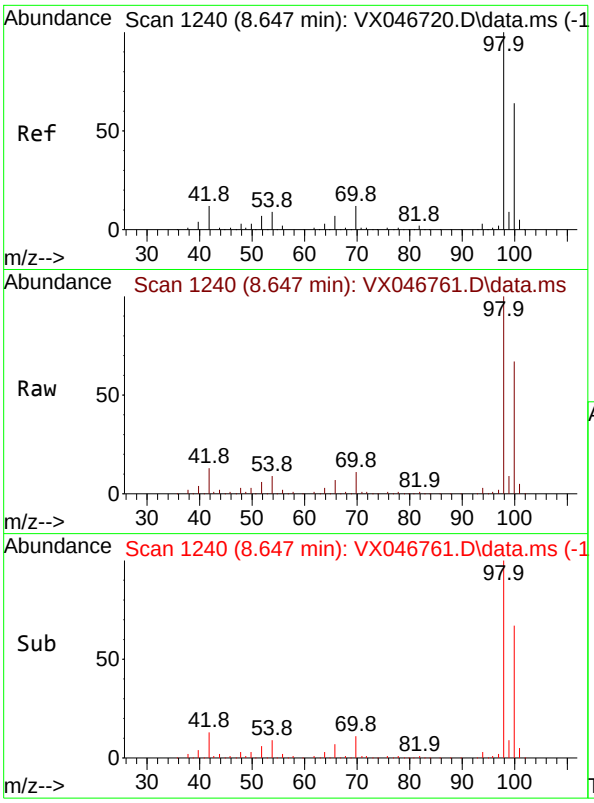




#35
Dibromofluoromethane
Concen: 50.045 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

Tgt Ion:113 Resp: 69253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |



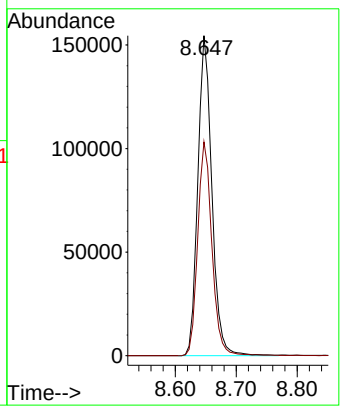


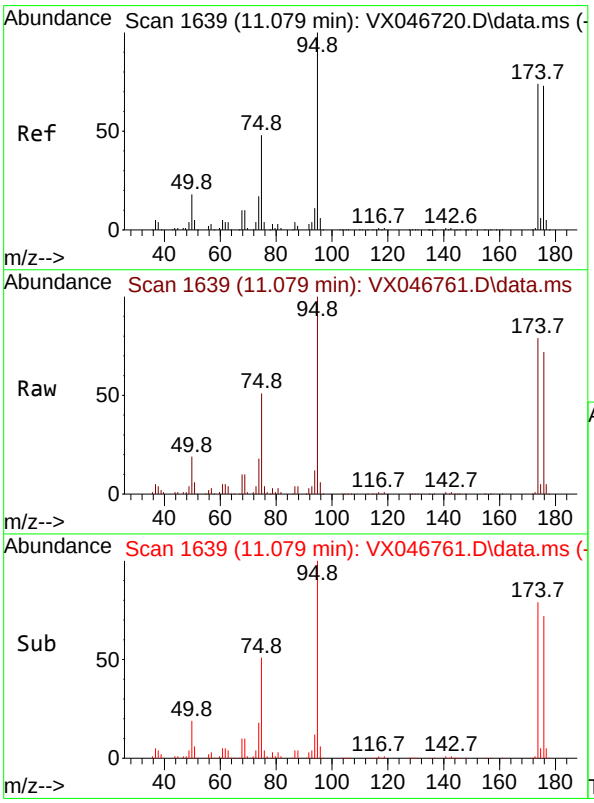

#50
Toluene-d8
Concen: 49.849 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Tgt Ion: 98 Resp: 247834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.4 | 53.0 | 79.4 |

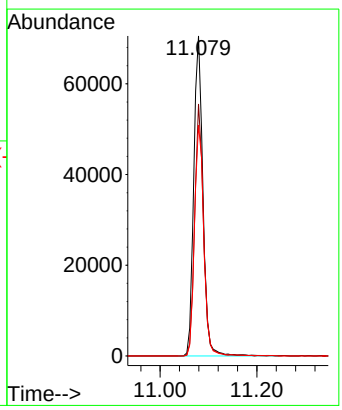


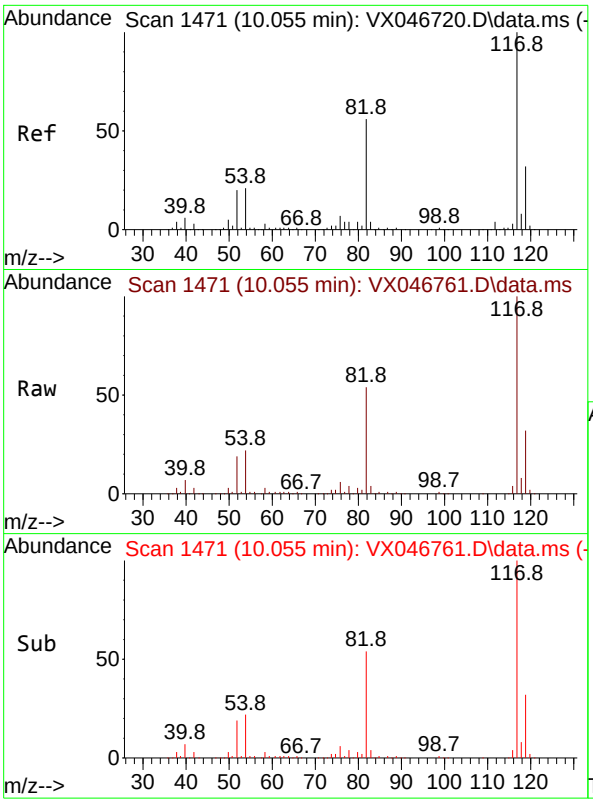




#62
4-Bromofluorobenzene
Concen: 49.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

Tgt Ion: 95 Resp: 92518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 150.4 |
| 176 | 73.2 | 0.0 | 145.0 |



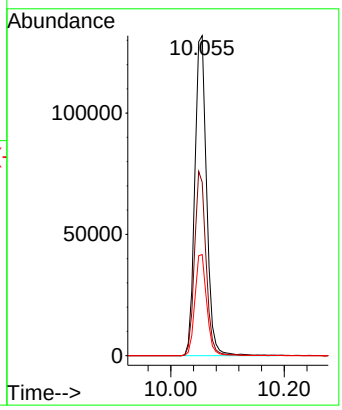


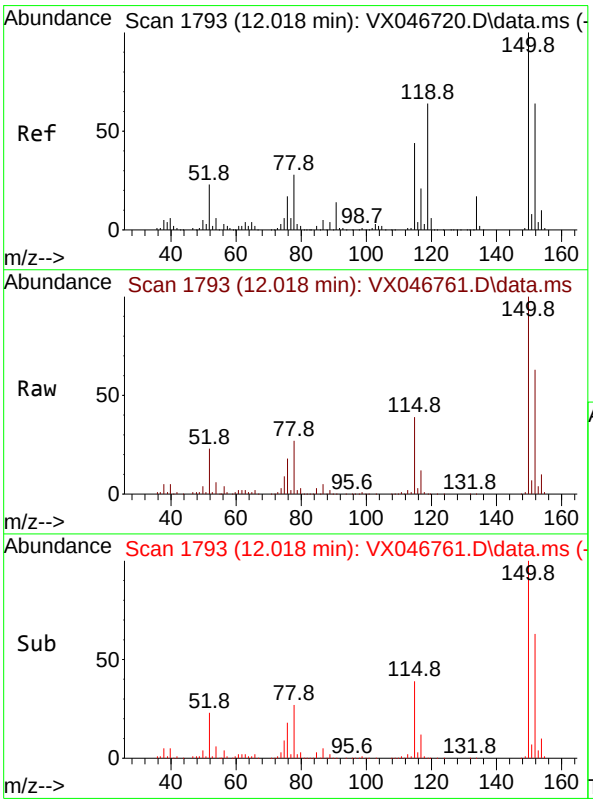

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
EB02-20250616

Tgt Ion:117 Resp: 190032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 44.6 | 66.8 |
| 119 | 31.6 | 25.8 | 38.8 |

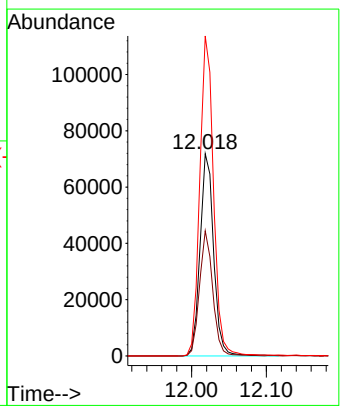



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046761.D
Acq: 19 Jun 2025 11:03

Tgt Ion:152 Resp: 90738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 43.2 | 129.6 |
| 150 | 160.4 | 0.0 | 346.8 |



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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TB03-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-02 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046734.D | 1 | | 06/18/25 12:12 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TB03-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-02 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046734.D | 1 | | 06/18/25 12:12 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.7 | | 81 - 118 | | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.0 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.0 | | 85 - 114 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 131000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 214000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 190000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 88400 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TB03-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-02 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046734.D | 1 | | 06/18/25 12:12 | VX061825 |

| 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\VX061825\
Data File : VX046734.D
Acq On : 18 Jun 2025 12:12
Operator : JC/MD
Sample : Q2345-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Quant Time: Jun 19 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

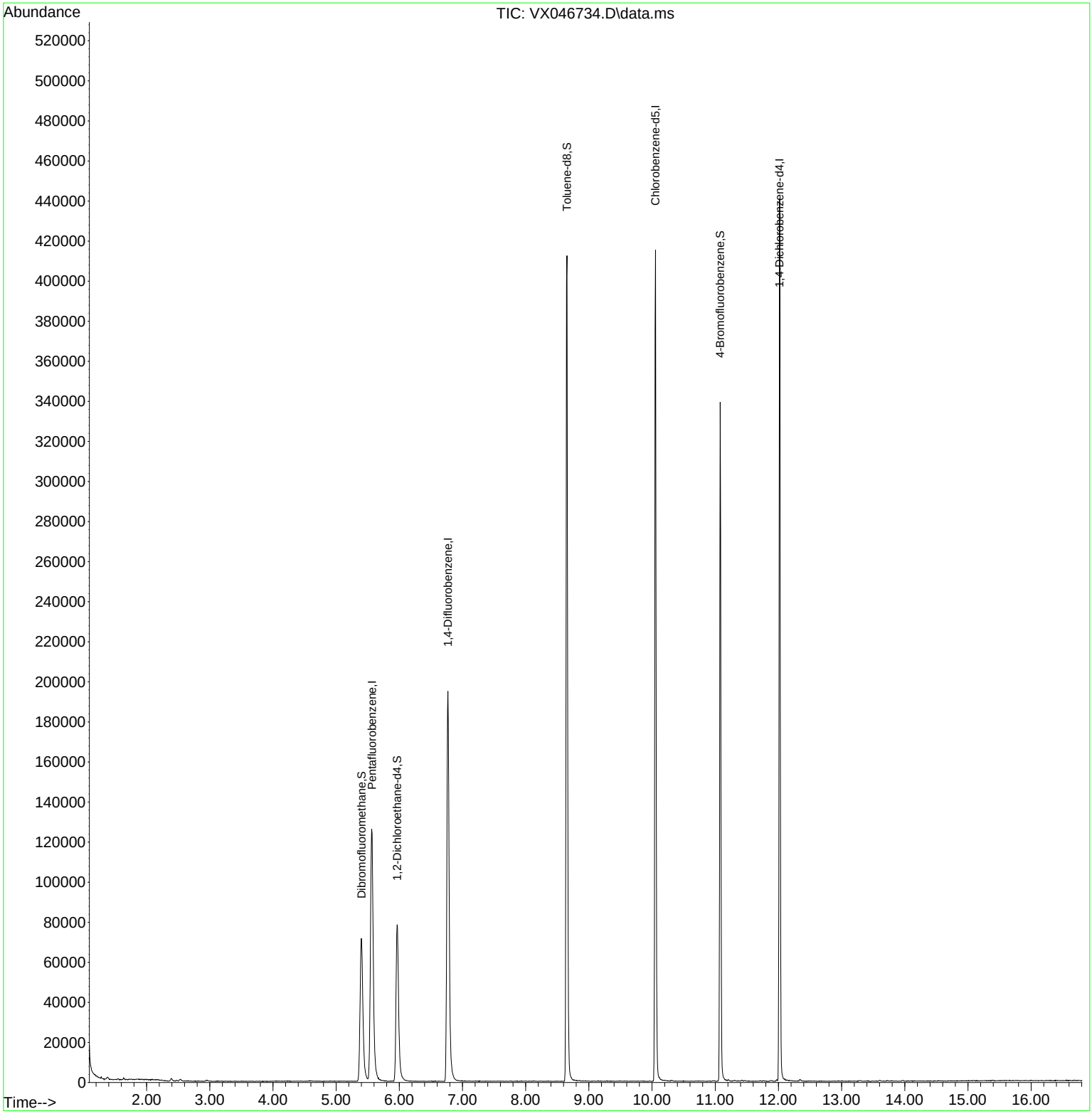
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 131404 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 213527 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190496 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 88415 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 84843 | 46.680 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.360% | | | |
| 35) Dibromofluoromethane | 5.404 | 113 | 69329 | 49.073 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.140% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 253743 | 49.991 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.980% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92685 | 48.986 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.980% | | | |
| Target Compounds | | | | | | Qvalue |

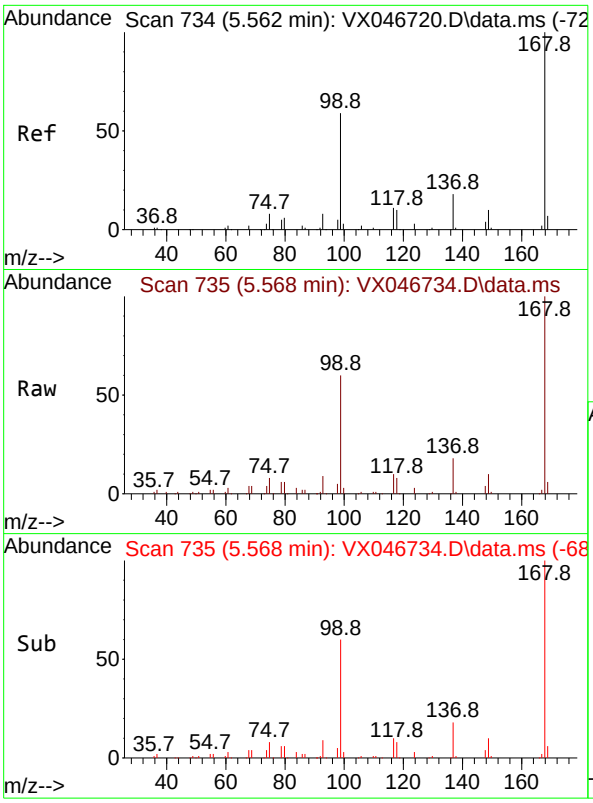
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046734.D
Acq On : 18 Jun 2025 12:12
Operator : JC/MD
Sample : Q2345-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Quant Time: Jun 19 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



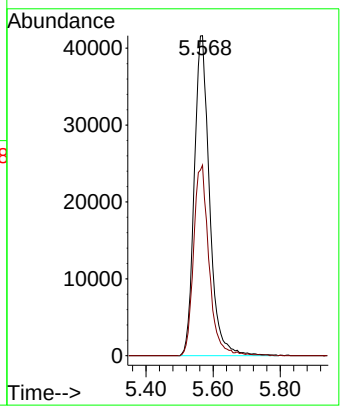


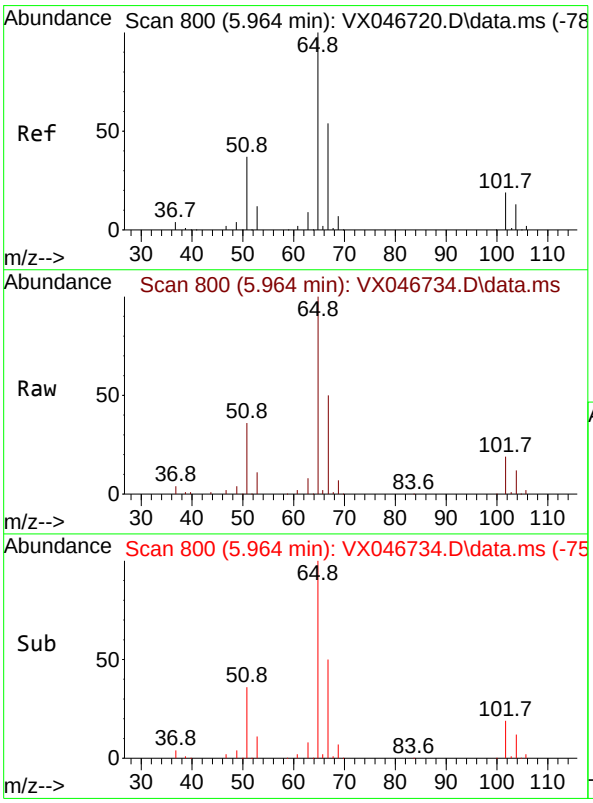

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Tgt Ion:168 Resp: 131404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 48.5 | 72.7 |

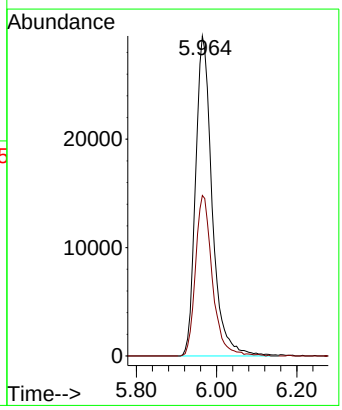


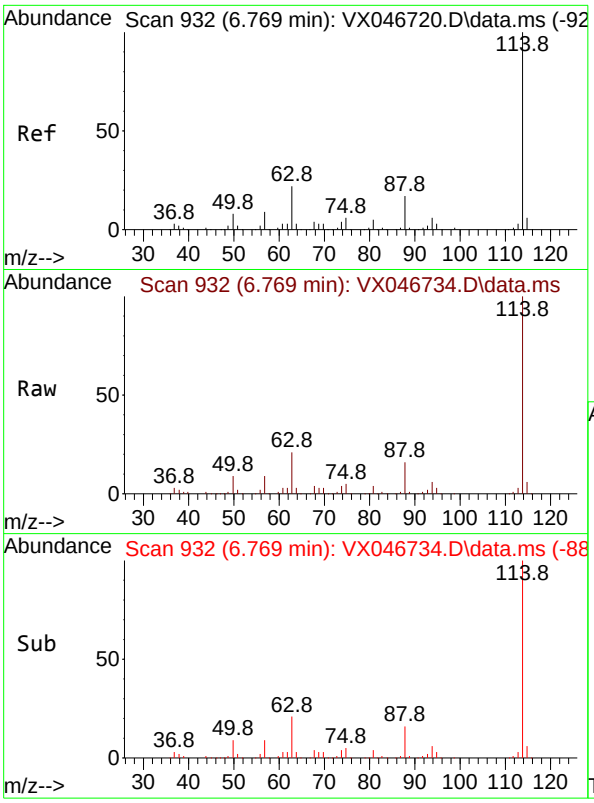




#33
1,2-Dichloroethane-d4
Concen: 46.680 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

Tgt Ion: 65 Resp: 84843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 105.4 |



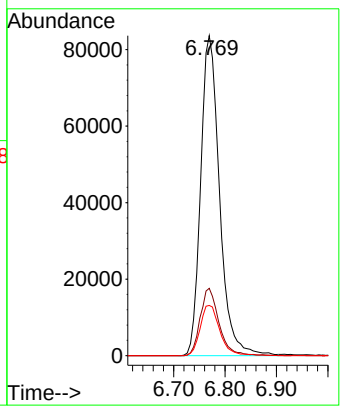


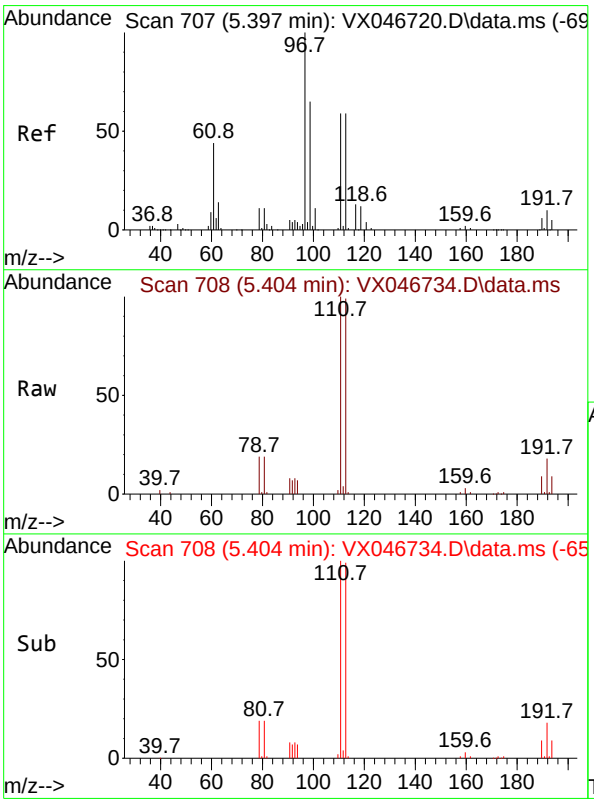

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Tgt Ion:114 Resp: 213527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 44.2 |
| 88 | 15.7 | 0.0 | 33.2 |

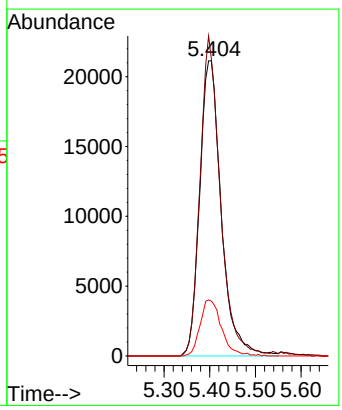


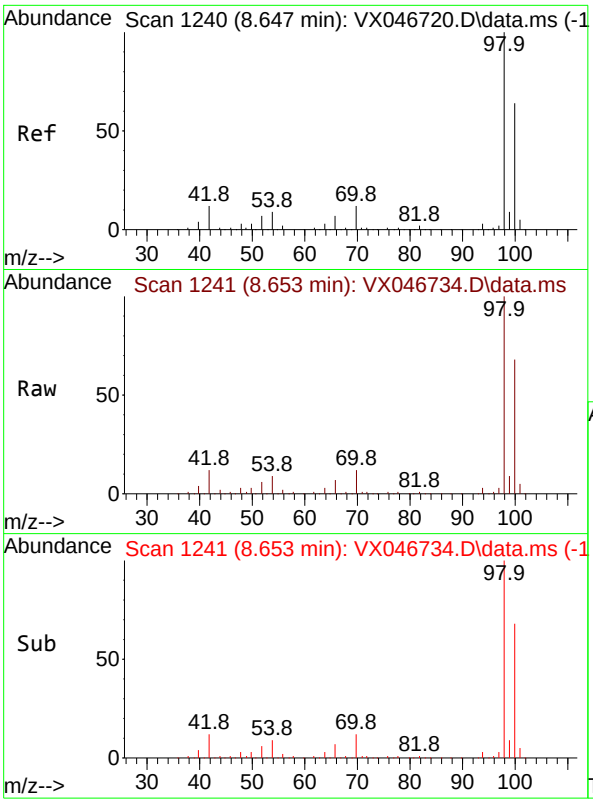




#35
Dibromofluoromethane
Concen: 49.073 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

Tgt Ion:113 Resp: 69329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.0 | 123.0 |
| 192 | 18.9 | 15.3 | 22.9 |



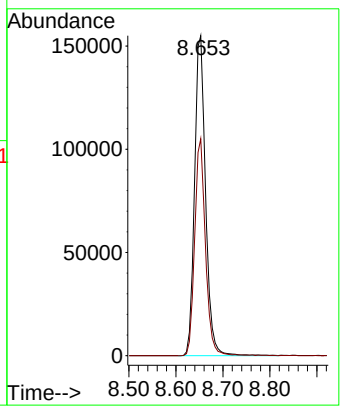


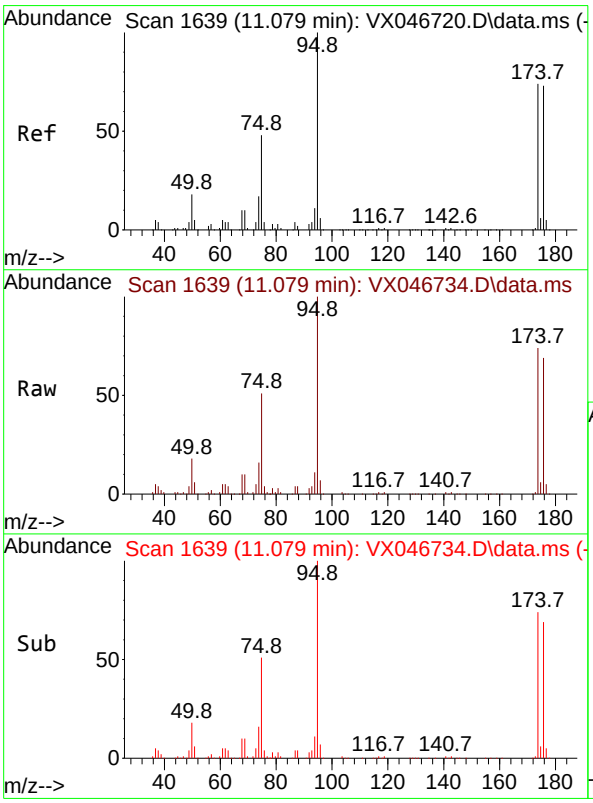

#50
Toluene-d8
Concen: 49.991 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Tgt Ion: 98 Resp: 253743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 53.0 | 79.4 |

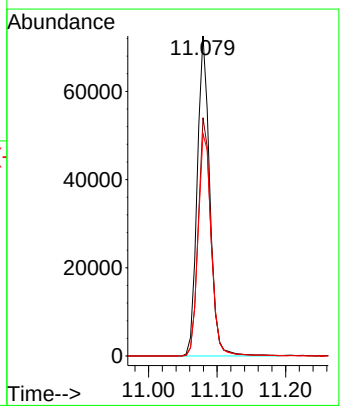


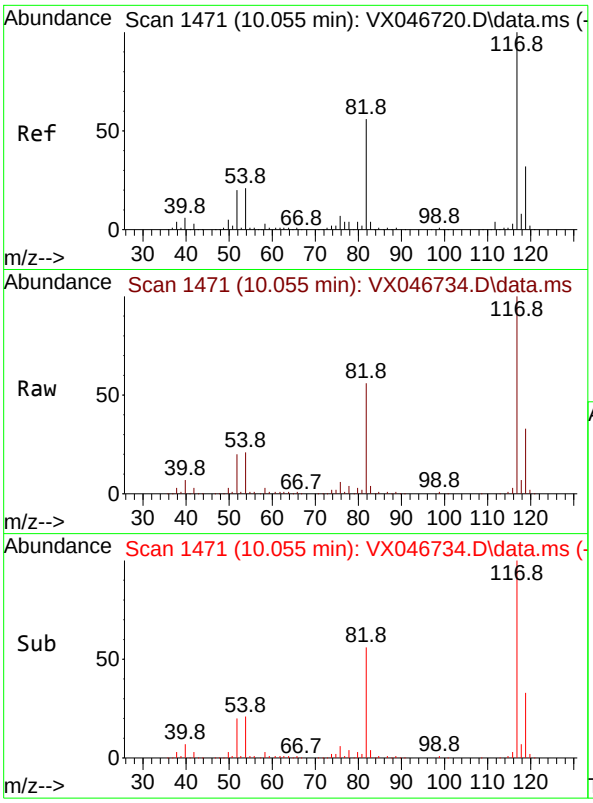




#62
4-Bromofluorobenzene
Concen: 48.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

Tgt Ion: 95 Resp: 92685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.3 | 0.0 | 150.4 |
| 176 | 73.1 | 0.0 | 145.0 |



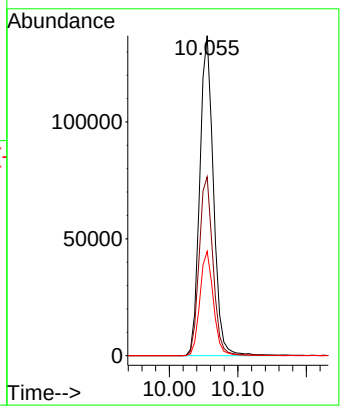


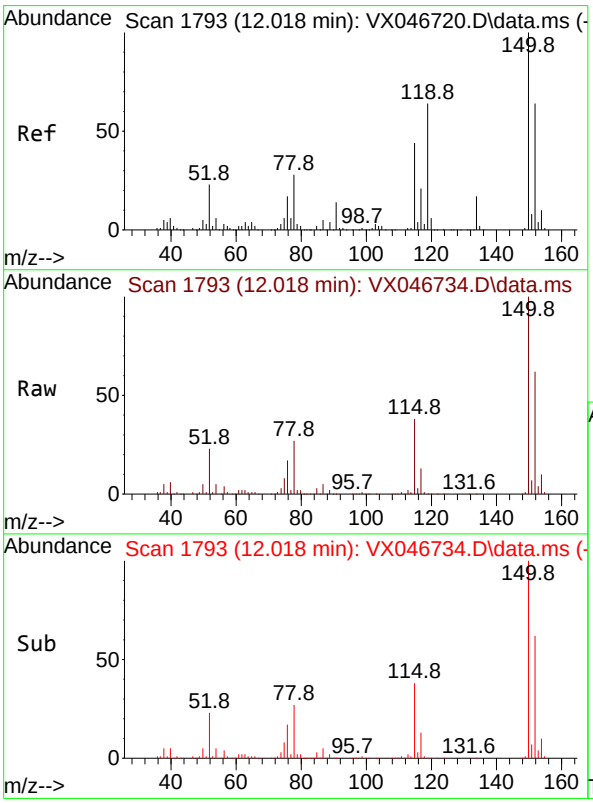

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB03-20250616

Tgt Ion:117 Resp: 190496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 44.6 | 66.8 |
| 119 | 32.6 | 25.8 | 38.8 |

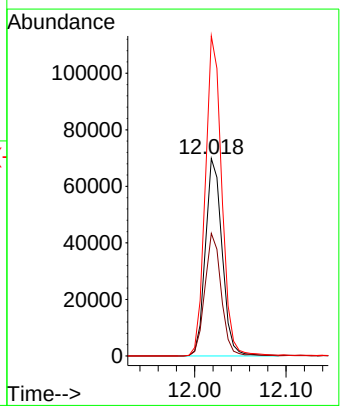



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046734.D
Acq: 18 Jun 2025 12:12

Tgt Ion:152 Resp: 88415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.0 | 43.2 | 129.6 |
| 150 | 159.7 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-1-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-03 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046735.D | 1 | | 06/18/25 12:33 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-1-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-03 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046735.D | 1 | | 06/18/25 12:33 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.8 | | 81 - 118 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.9 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.6 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 208000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 334000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 293000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 140000 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-1-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-03 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046735.D | 1 | | 06/18/25 12:33 | VX061825 |

| 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\VX061825\
Data File : VX046735.D
Acq On : 18 Jun 2025 12:33
Operator : JC/MD
Sample : Q2345-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Quant Time: Jun 19 01:22:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

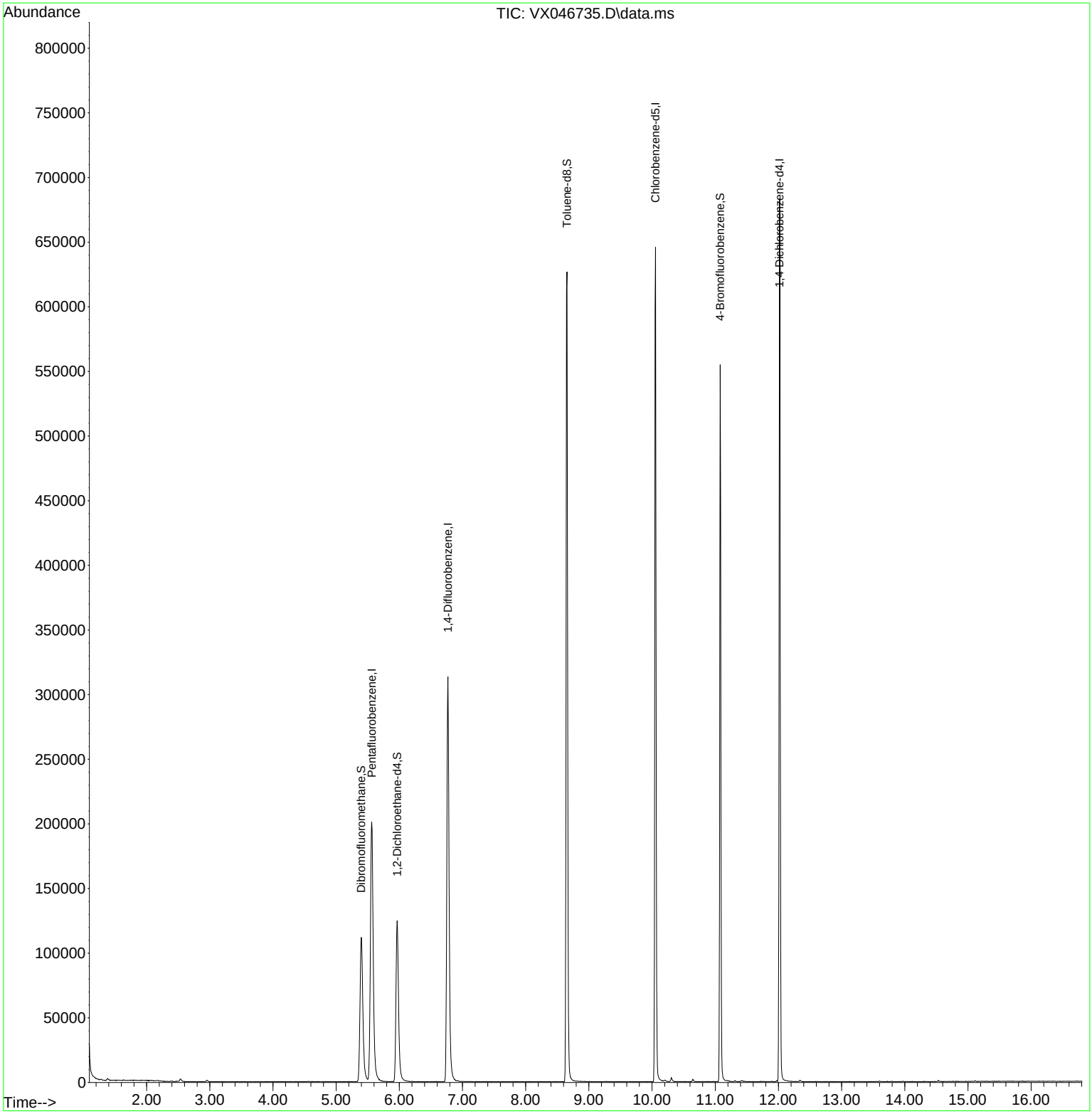
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 208218 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 333734 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 292626 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 140376 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 129001 | 44.792 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 89.580% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 107944 | 48.886 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.780% | | |
| 50) Toluene-d8 | 8.653 | 98 | 391165 | 49.308 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.620% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 143655 | 48.578 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 97.160% | | |
| Target Compounds | | | | | | Qvalue |

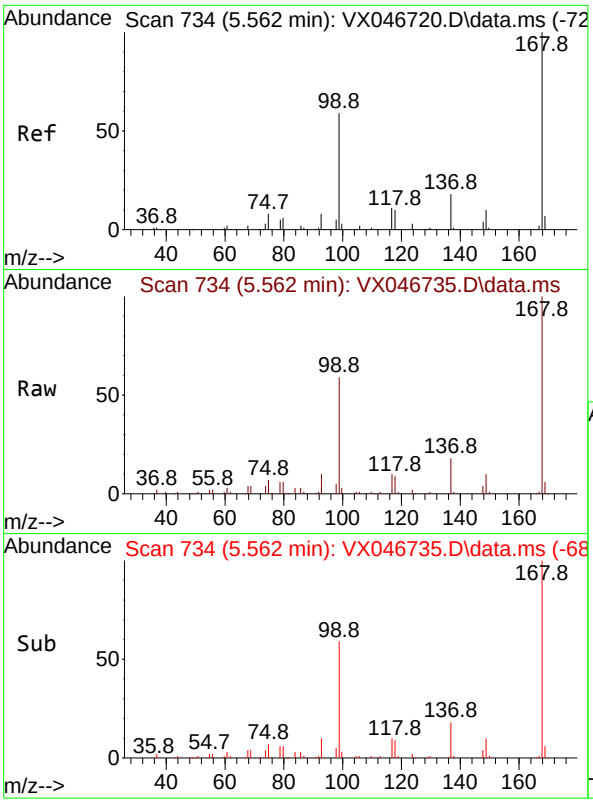
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046735.D
Acq On : 18 Jun 2025 12:33
Operator : JC/MD
Sample : Q2345-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Quant Time: Jun 19 01:22:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



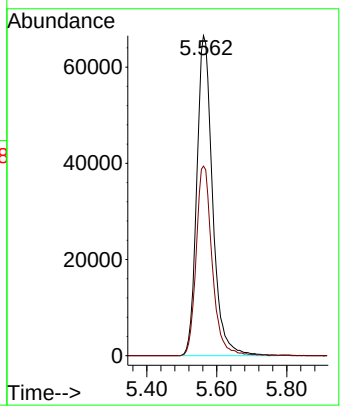


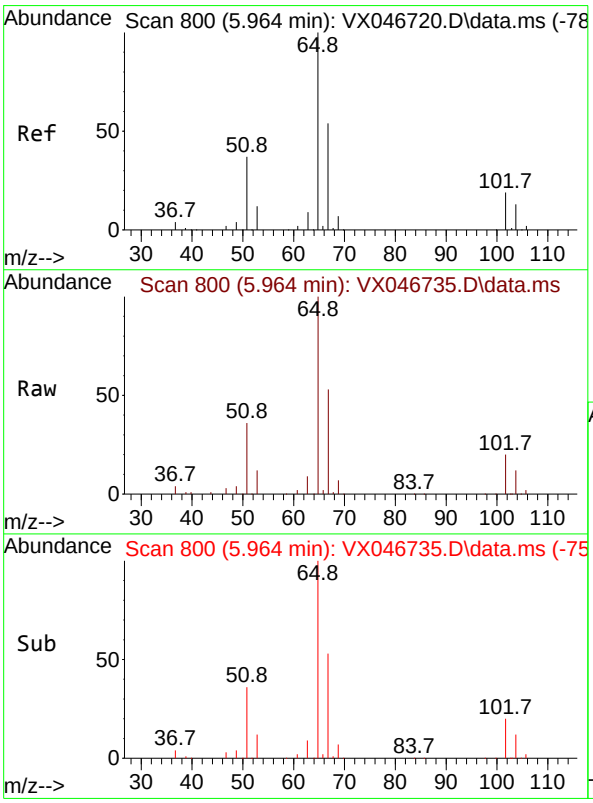

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Tgt Ion:168 Resp: 208218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 48.5 | 72.7 |

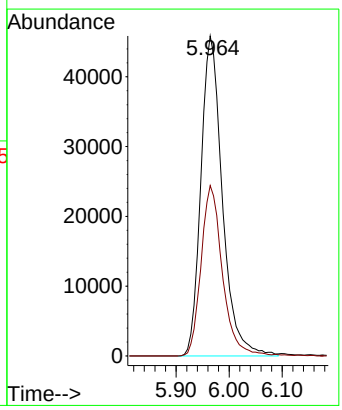


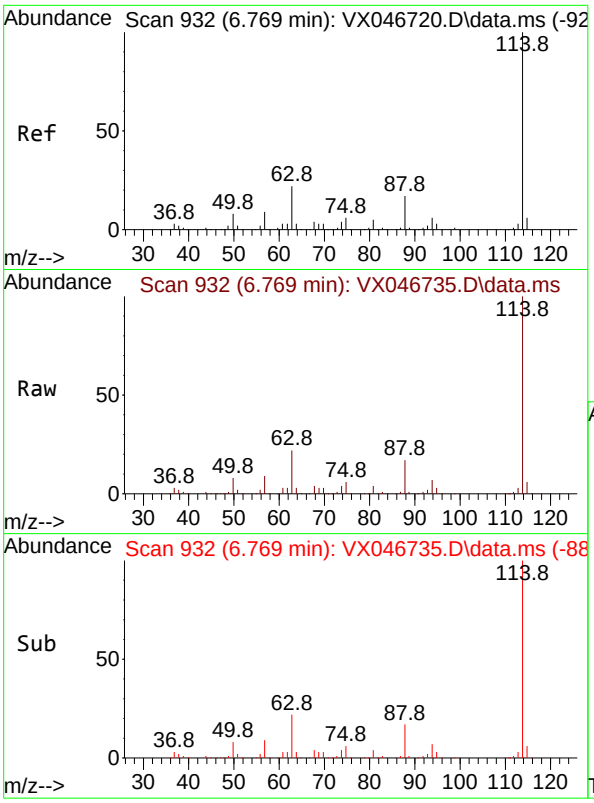




#33
1,2-Dichloroethane-d4
Concen: 44.792 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

Tgt Ion: 65 Resp: 129001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.4 |



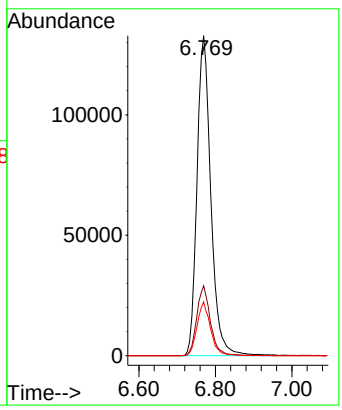


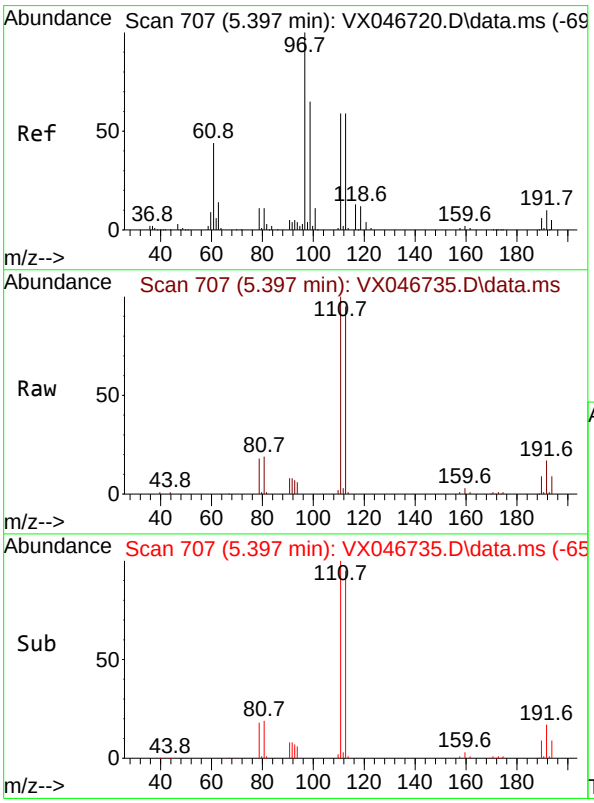

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Tgt Ion:114 Resp: 333734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.9 | 0.0 | 44.2 |
| 88 | 16.8 | 0.0 | 33.2 |

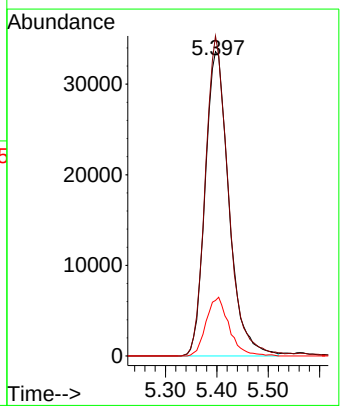


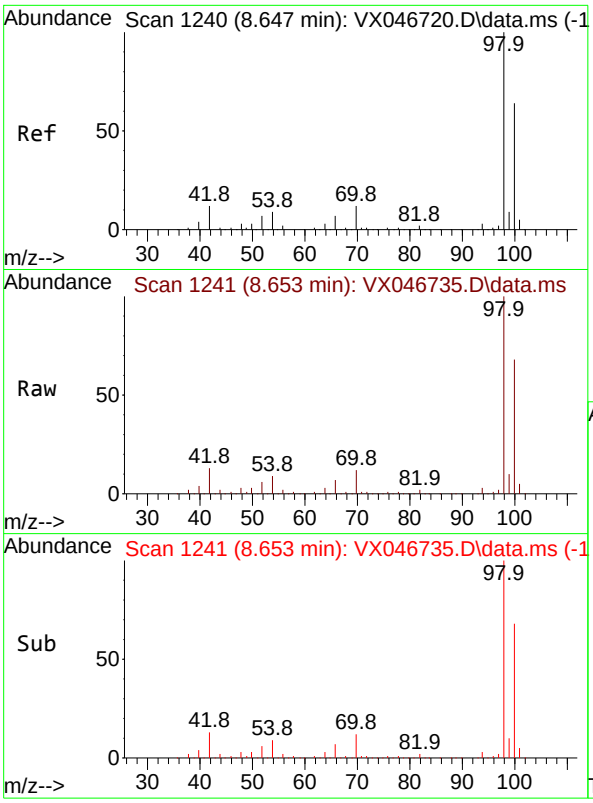




#35
Dibromofluoromethane
Concen: 48.886 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

Tgt Ion:113 Resp: 107944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |



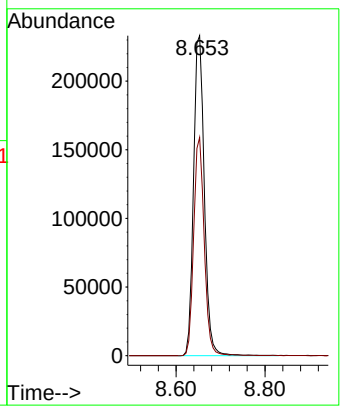


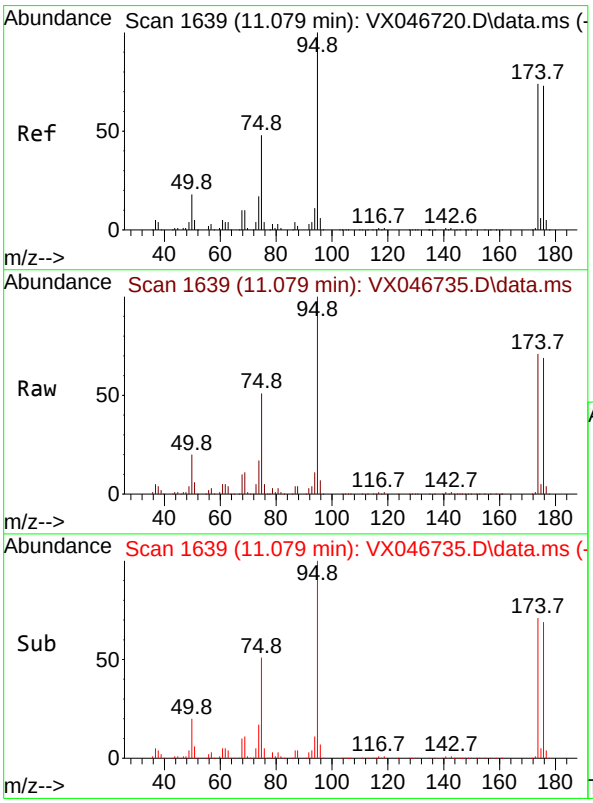

#50
Toluene-d8
Concen: 49.308 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Tgt Ion: 98 Resp: 391165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.0 | 79.4 |

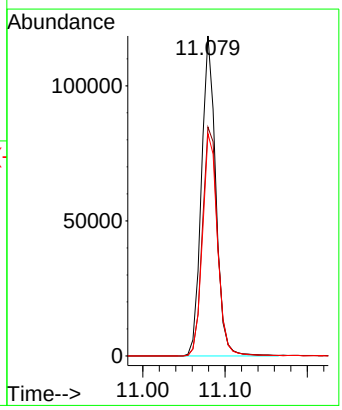


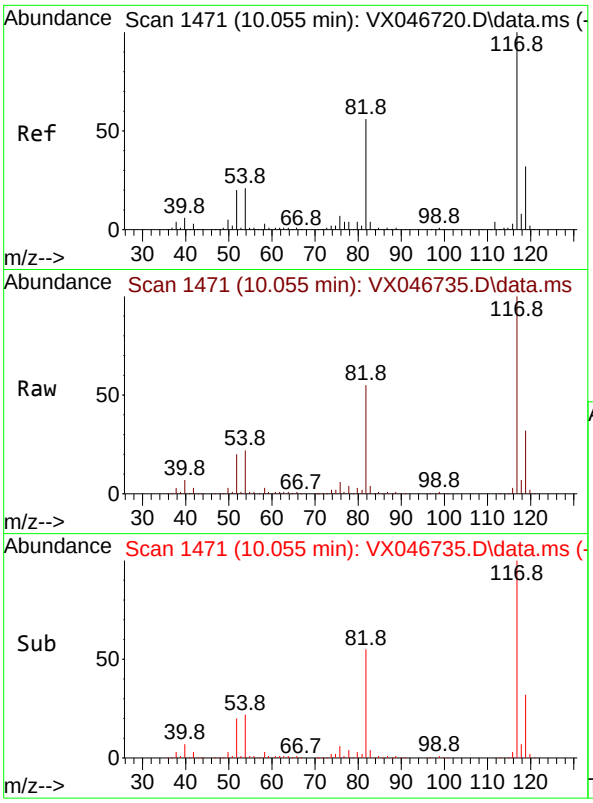




#62
4-Bromofluorobenzene
Concen: 48.578 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

Tgt Ion: 95 Resp: 143655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.7 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |



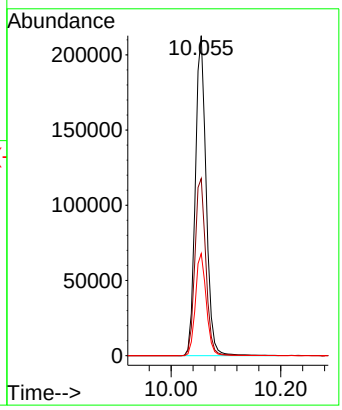


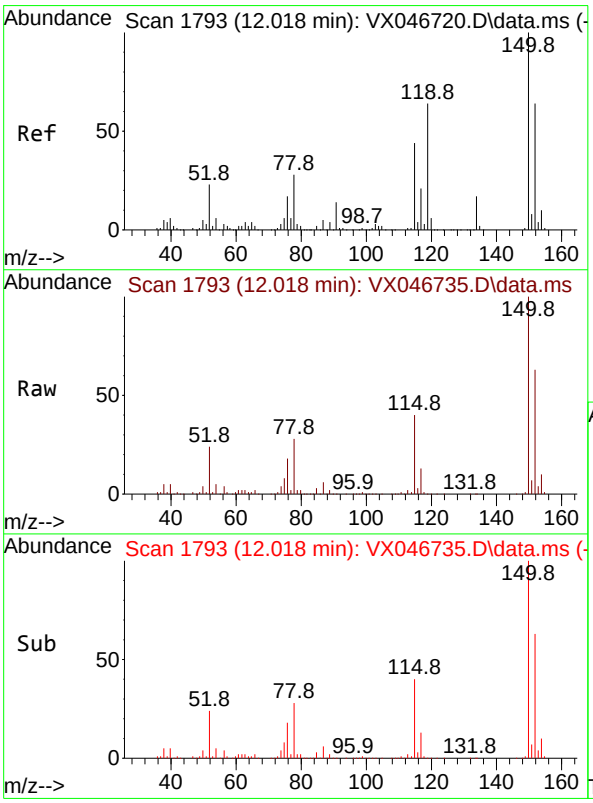

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-1-20250616

Tgt Ion:117 Resp: 292626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 44.6 | 66.8 |
| 119 | 31.9 | 25.8 | 38.8 |

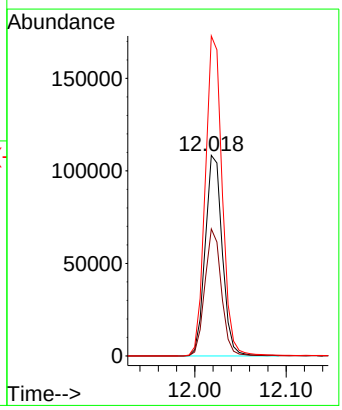



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046735.D
Acq: 18 Jun 2025 12:33

Tgt Ion:152 Resp: 140376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.3 | 43.2 | 129.6 |
| 150 | 158.4 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-2-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-04 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046736.D | 1 | | 06/18/25 12:54 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-2-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-04 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046736.D | 1 | | 06/18/25 12:54 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.38 | J | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.7 | | 81 - 118 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | 80 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.9 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.2 | | 85 - 114 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 134000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 218000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 195000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 93200 | 12.018 | | | | |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-2-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-04 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046736.D | 1 | | 06/18/25 12:54 | VX061825 |

| 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\VX061825\
Data File : VX046736.D
Acq On : 18 Jun 2025 12:54
Operator : JC/MD
Sample : Q2345-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Quant Time: Jun 19 01:23:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

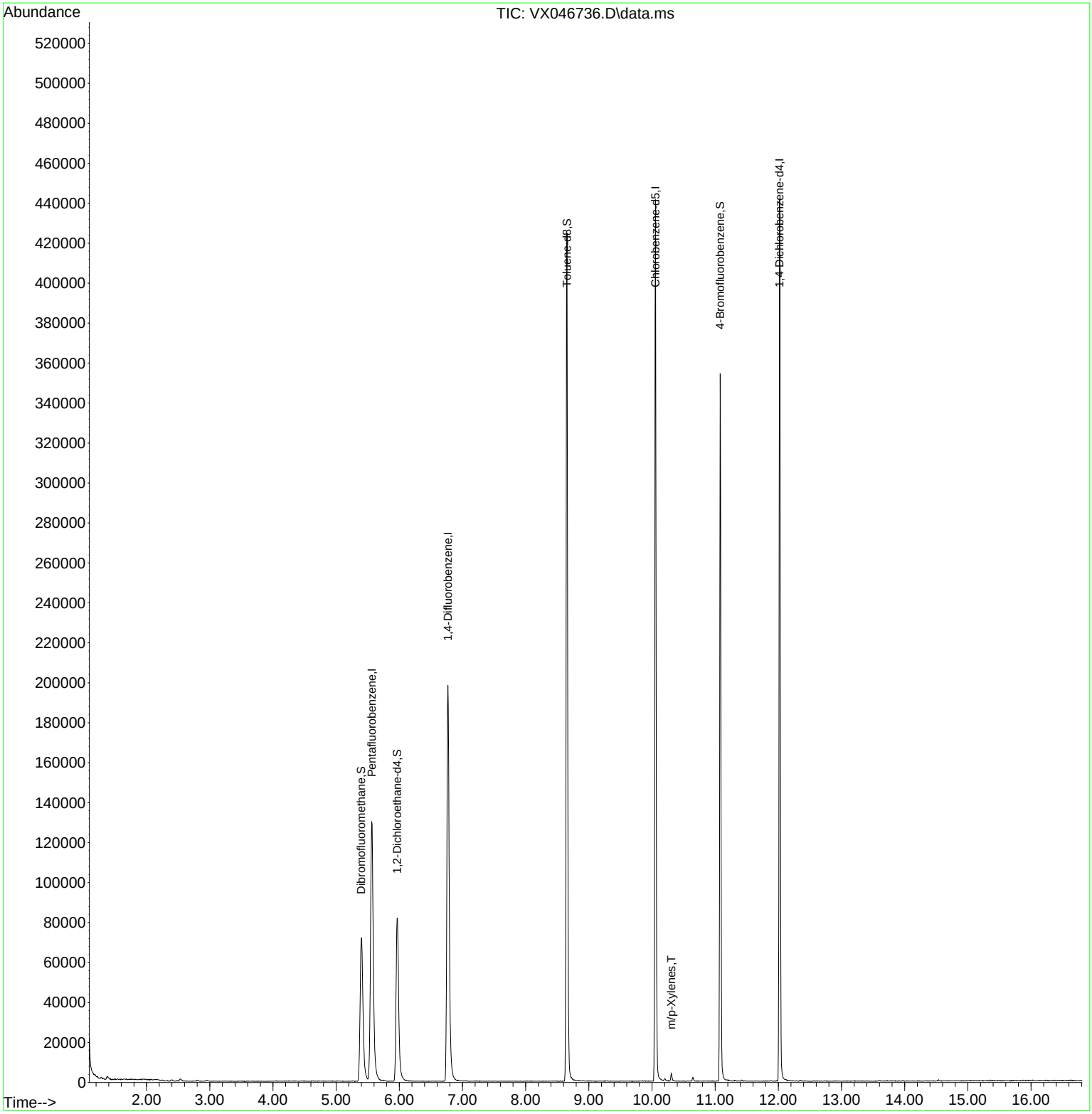
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 133570 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 218146 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 194756 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93153 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 88131 | 47.703 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 95.400% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 71103 | 49.263 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 98.520% | | |
| 50) Toluene-d8 | 8.653 | 98 | 258731 | 49.895 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.780% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 95051 | 49.173 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 98.340% | | |
| Target Compounds | | | | | | Qvalue |
| 68) m/p-Xylenes | 10.305 | 106 | 1060 | 0.379 | ug/l | 96 |

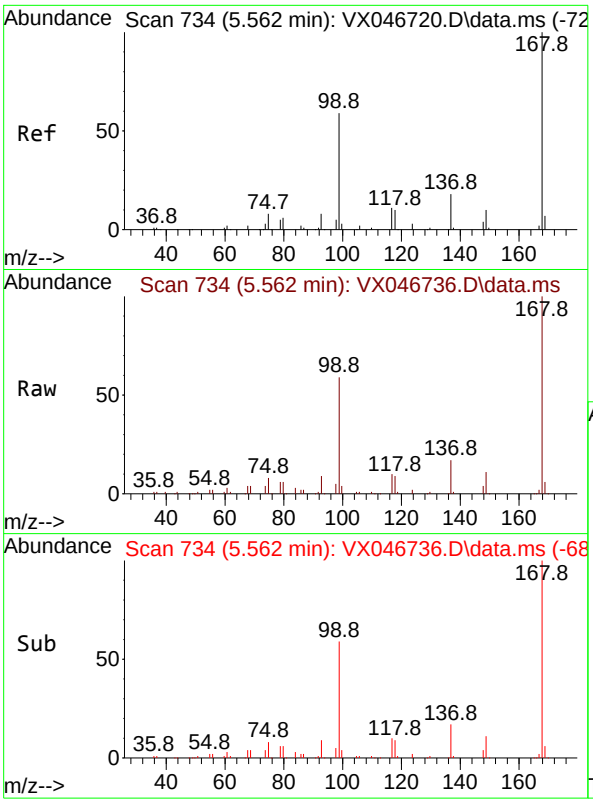
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046736.D
Acq On : 18 Jun 2025 12:54
Operator : JC/MD
Sample : Q2345-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Quant Time: Jun 19 01:23:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



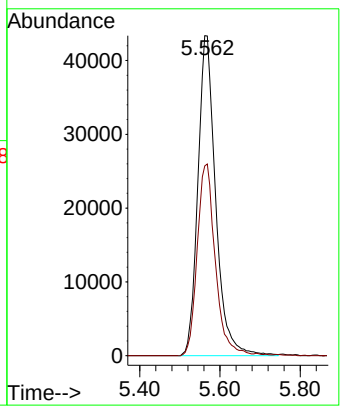


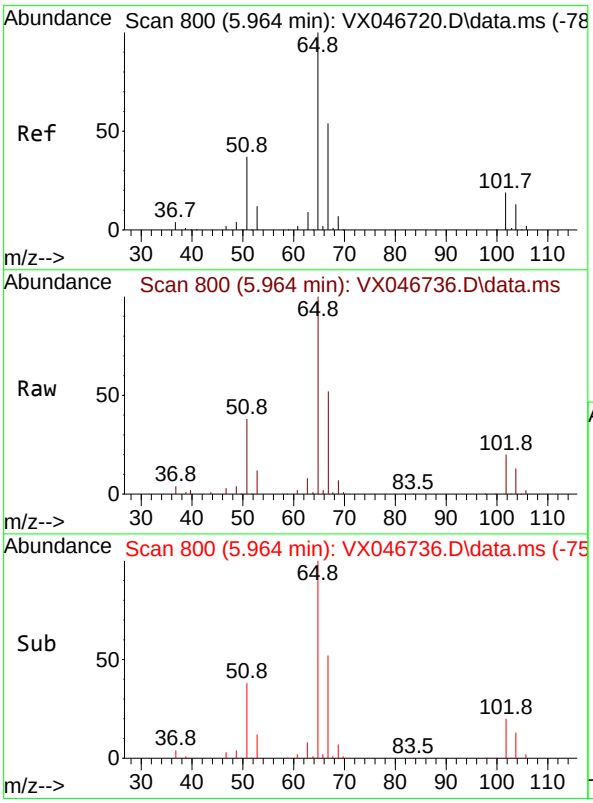

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Tgt Ion:168 Resp: 133570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 48.5 | 72.7 |

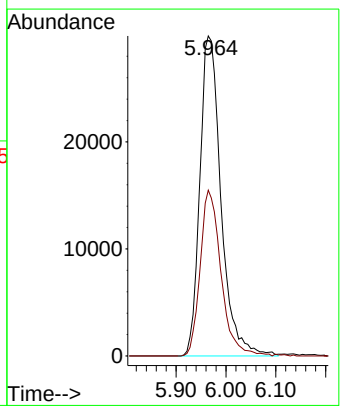


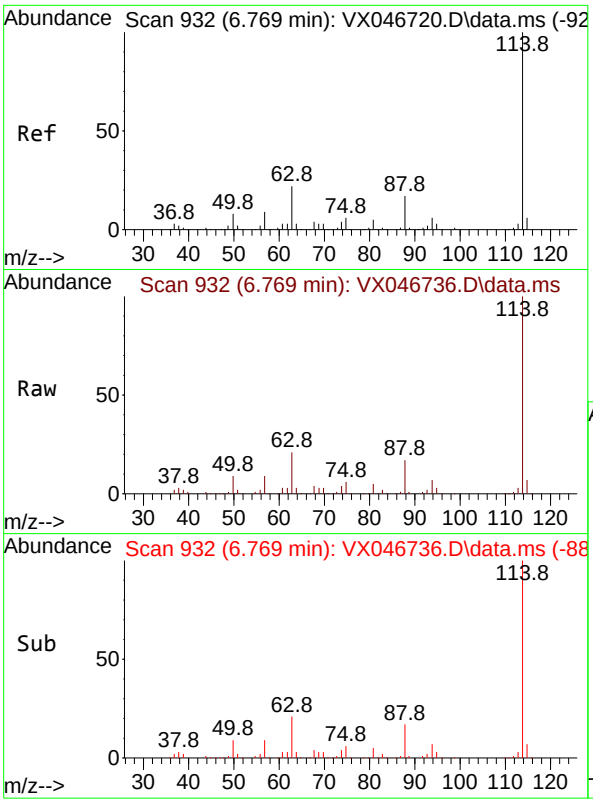




#33
1,2-Dichloroethane-d4
Concen: 47.703 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

Tgt Ion: 65 Resp: 88131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 105.4 |



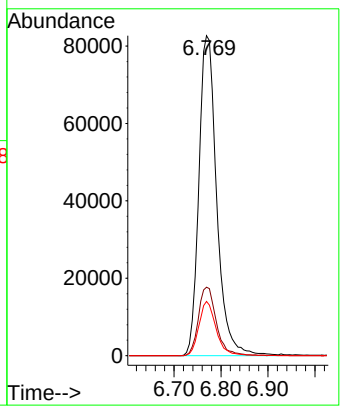


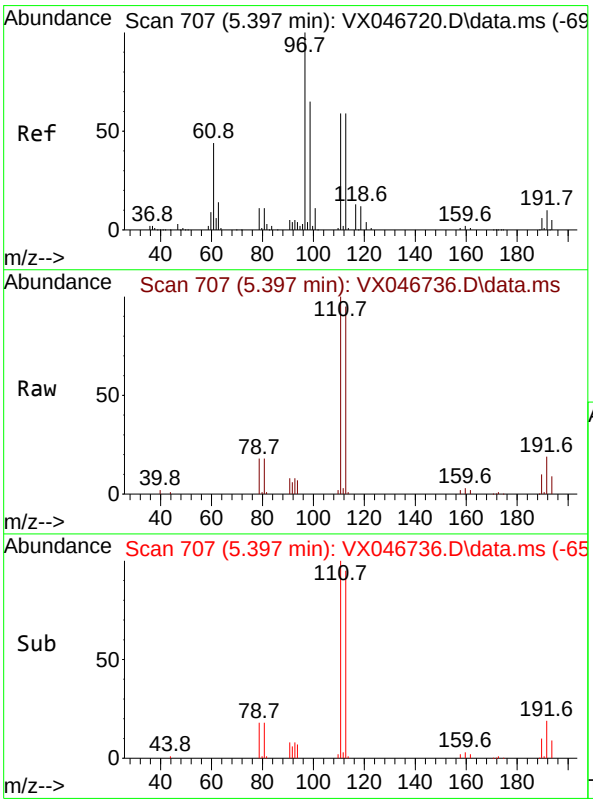

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Tgt Ion:114 Resp: 218146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.2 |
| 88 | 16.9 | 0.0 | 33.2 |

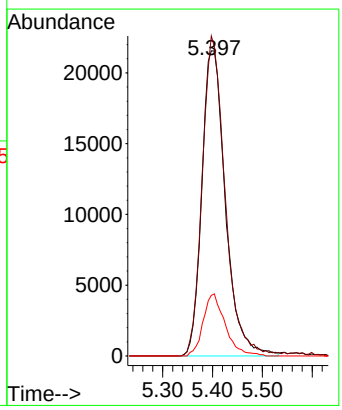


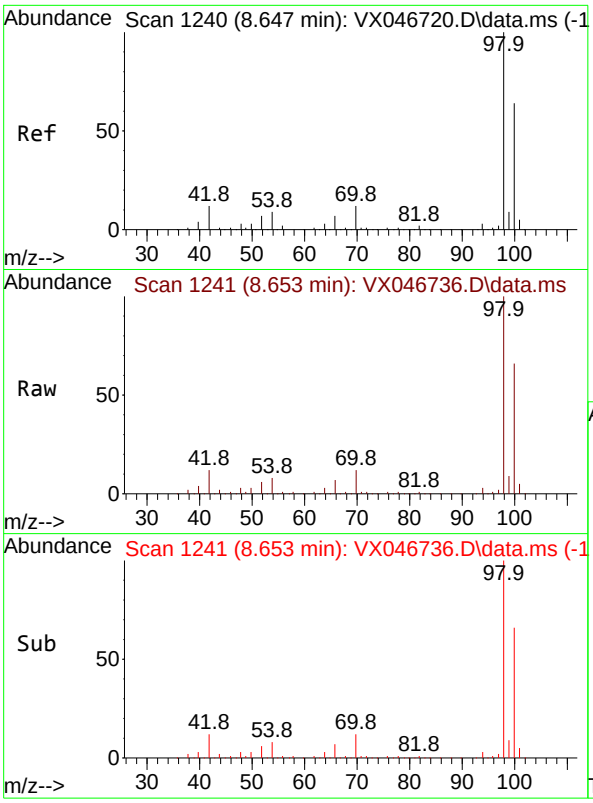




#35
Dibromofluoromethane
Concen: 49.263 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

Tgt Ion:113 Resp: 71103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 82.0 | 123.0 |
| 192 | 19.0 | 15.3 | 22.9 |



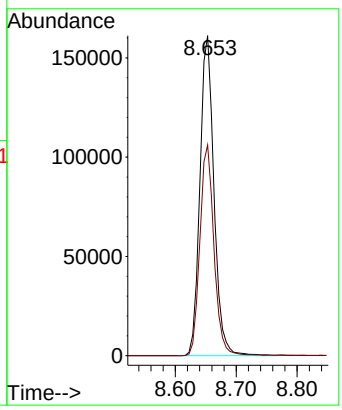


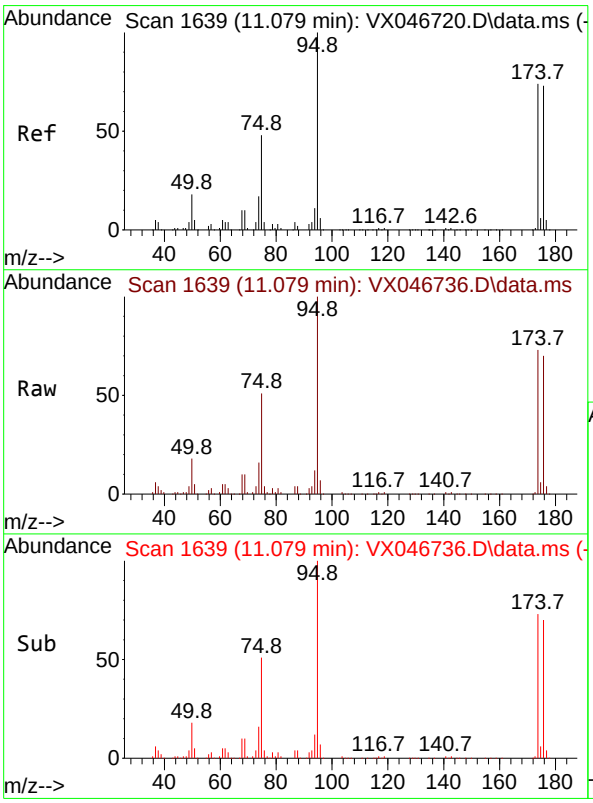

#50
Toluene-d8
Concen: 49.895 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Tgt Ion: 98 Resp: 258731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 53.0 | 79.4 |

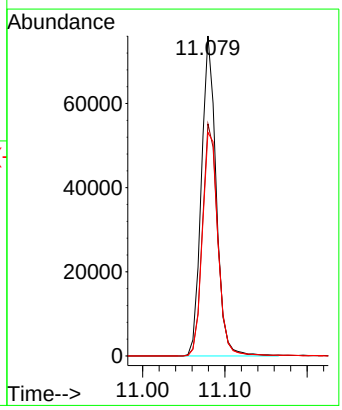


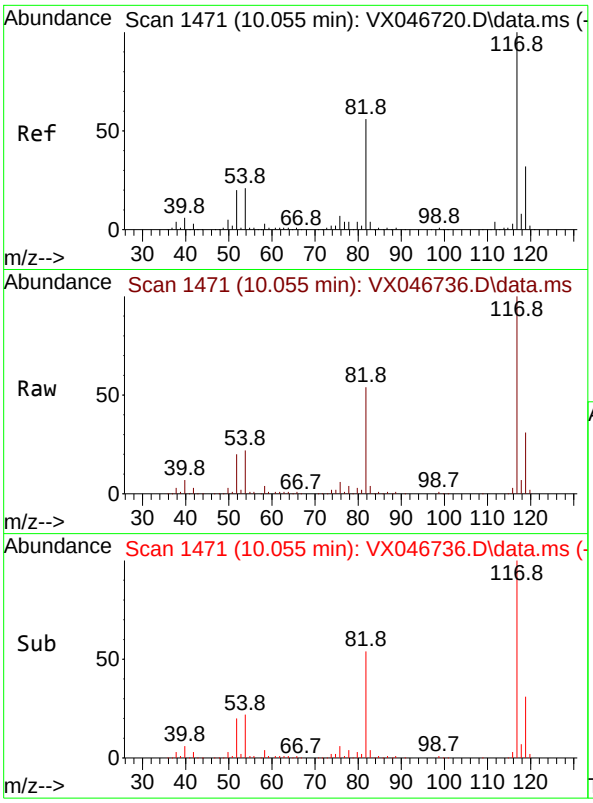




#62
4-Bromofluorobenzene
Concen: 49.173 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

Tgt Ion: 95 Resp: 95051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.7 | 0.0 | 150.4 |
| 176 | 73.9 | 0.0 | 145.0 |



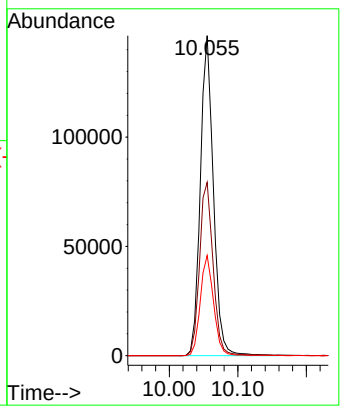


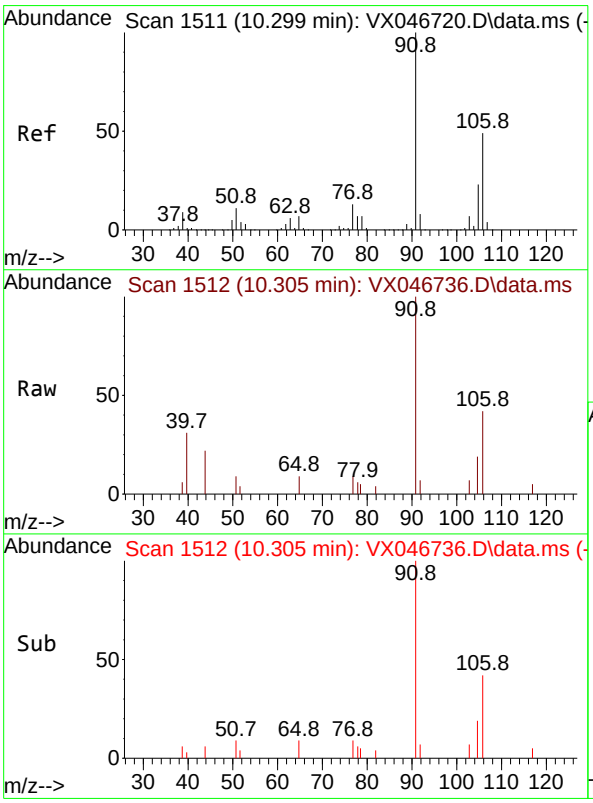

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Tgt Ion:117 Resp: 194756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.1 | 44.6 | 66.8 |
| 119 | 31.3 | 25.8 | 38.8 |

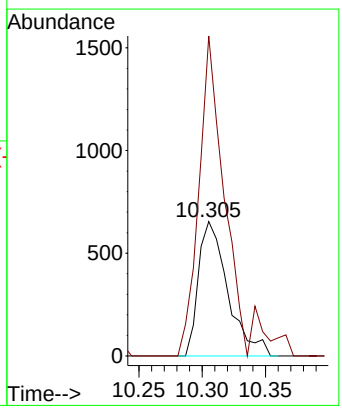


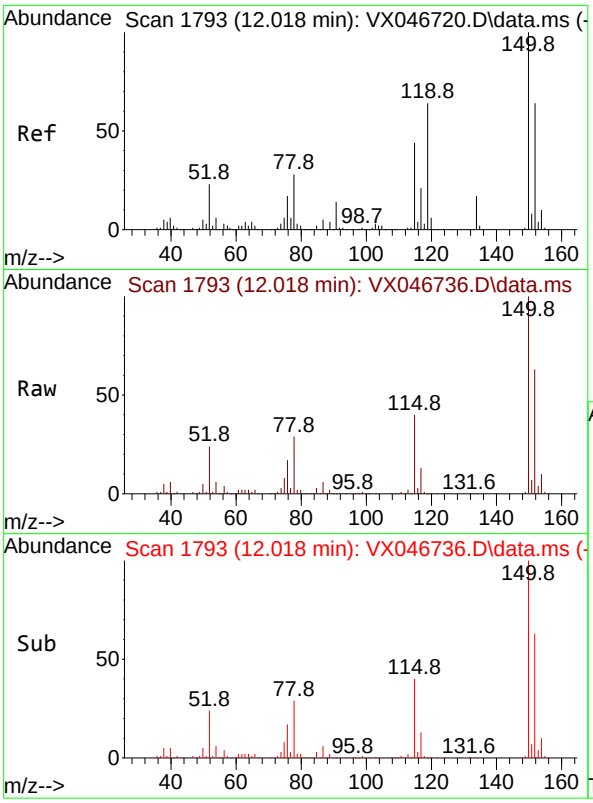




#68
m/p-Xylenes
Concen: 0.379 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

Tgt Ion:106 Resp: 1060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.4 | 164.8 | 247.2 |



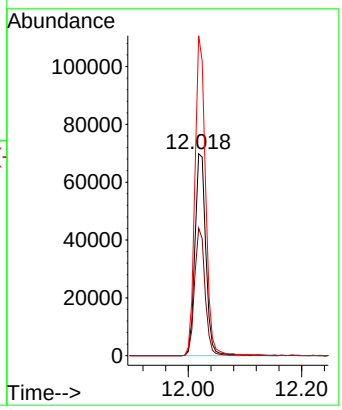



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046736.D
Acq: 18 Jun 2025 12:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-2-20250616

Tgt Ion:152 Resp: 93153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.0 | 43.2 | 129.6 |
| 150 | 155.0 | 0.0 | 346.8 |



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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | DUP05-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-05 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046737.D | 1 | | 06/18/25 13:15 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | DUP05-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-05 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046737.D | 1 | | 06/18/25 13:15 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 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 | 48.8 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 202000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 331000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 287000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 138000 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | DUP05-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-05 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046737.D | 1 | | 06/18/25 13:15 | VX061825 |

| 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\VX061825\
Data File : VX046737.D
Acq On : 18 Jun 2025 13:15
Operator : JC/MD
Sample : Q2345-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Quant Time: Jun 19 01:23:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

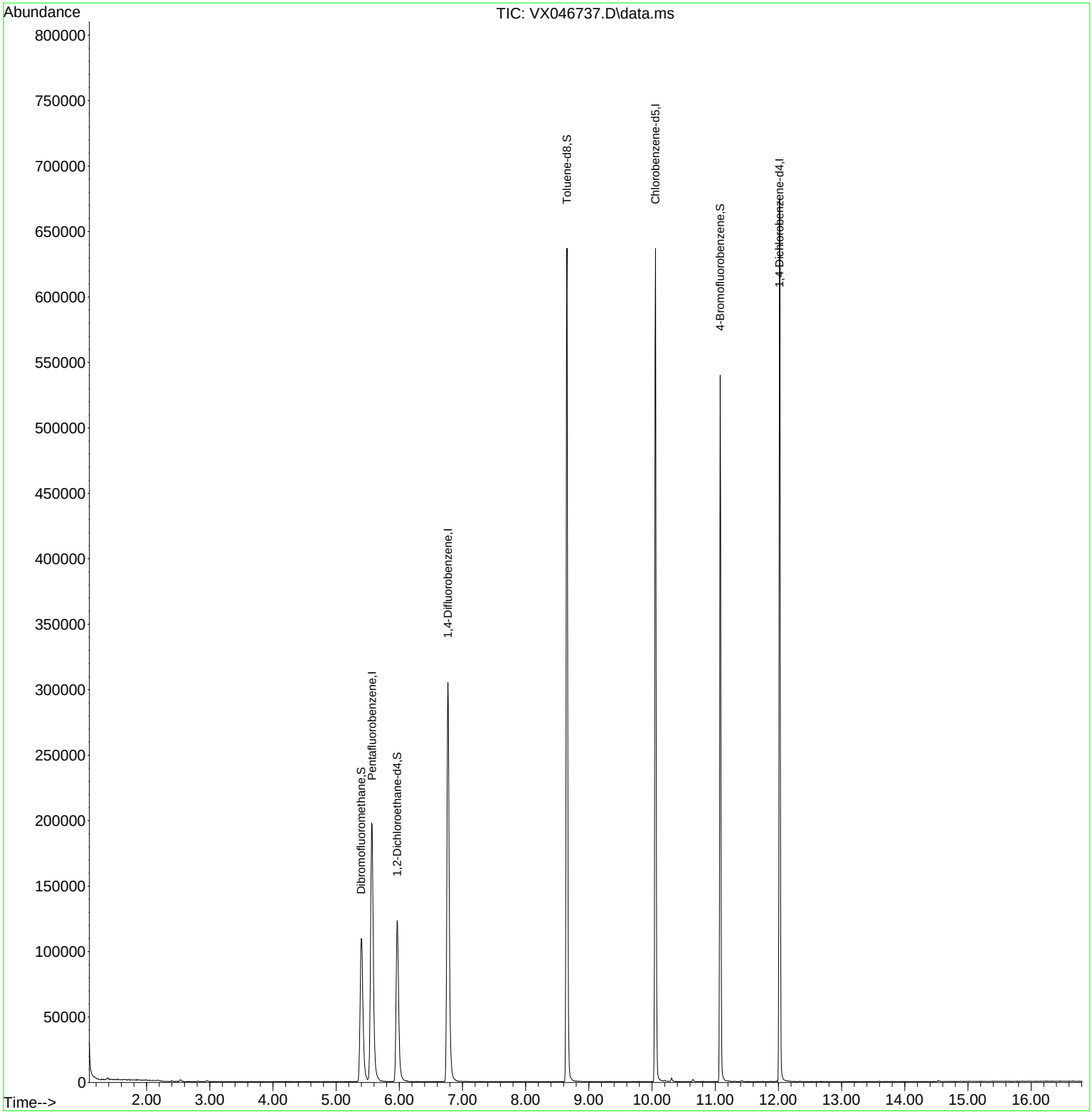
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 201684 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 330858 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 287321 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 137822 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 129078 | 46.270 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.540% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 106849 | 48.810 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.620% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 388674 | 49.419 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 141124 | 48.137 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.280% | | | |
| Target Compounds | | | | | | Qvalue |

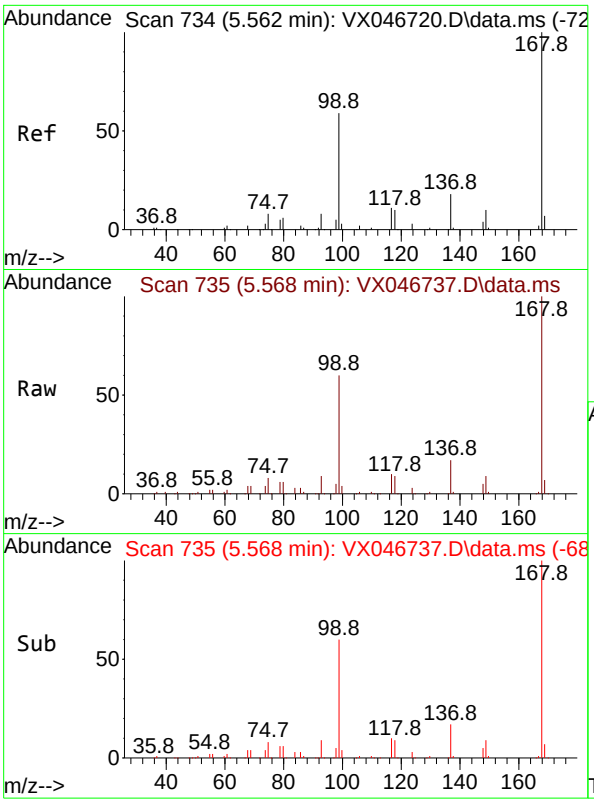
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046737.D
Acq On : 18 Jun 2025 13:15
Operator : JC/MD
Sample : Q2345-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Quant Time: Jun 19 01:23:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



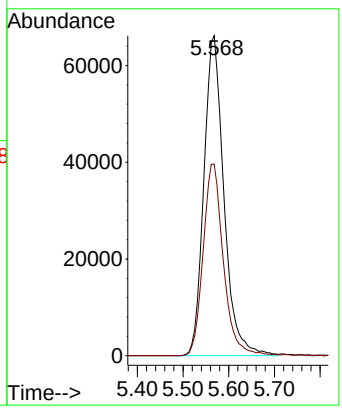


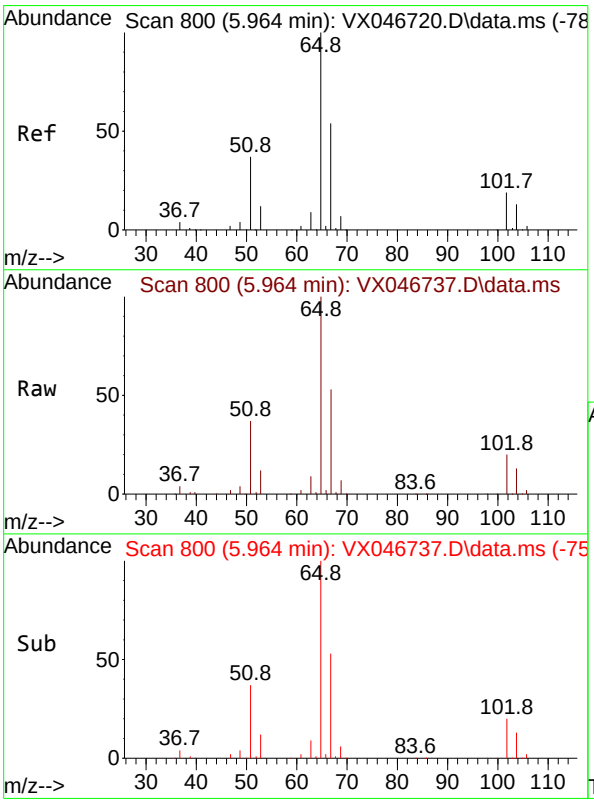

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Tgt Ion:168 Resp: 201684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.8 | 48.5 | 72.7 |

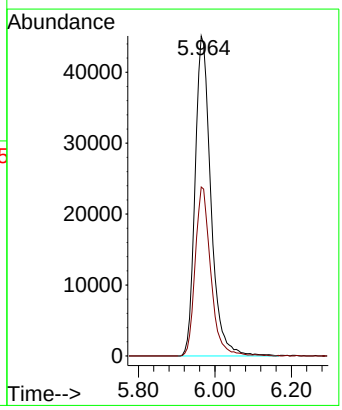


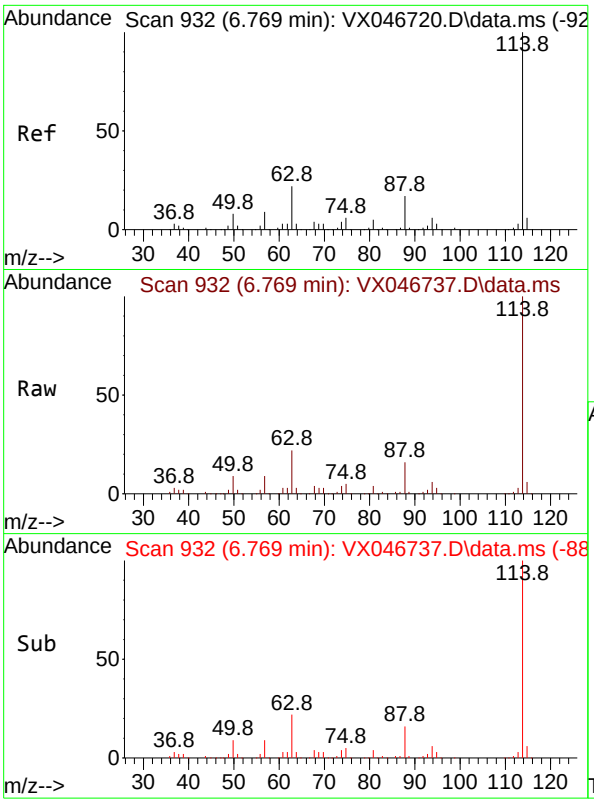




#33
1,2-Dichloroethane-d4
Concen: 46.270 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

Tgt Ion: 65 Resp: 129078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 105.4 |



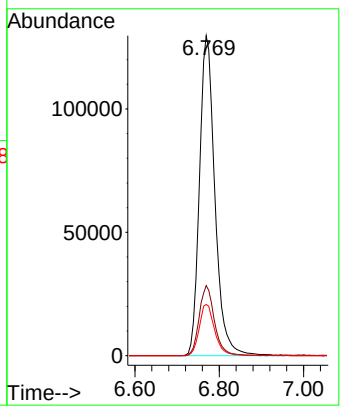


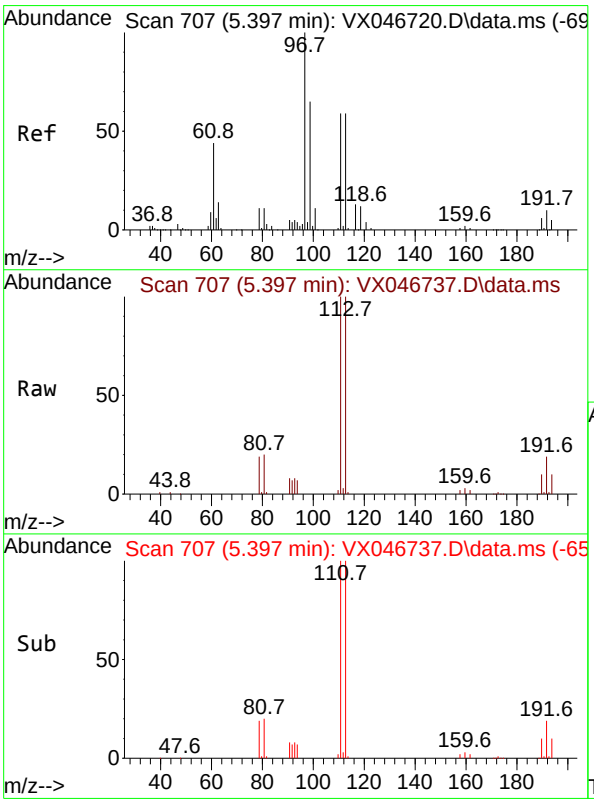

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Tgt Ion:114 Resp: 330858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.9 | 0.0 | 44.2 |
| 88 | 16.0 | 0.0 | 33.2 |

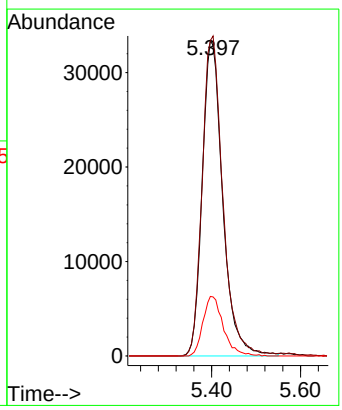


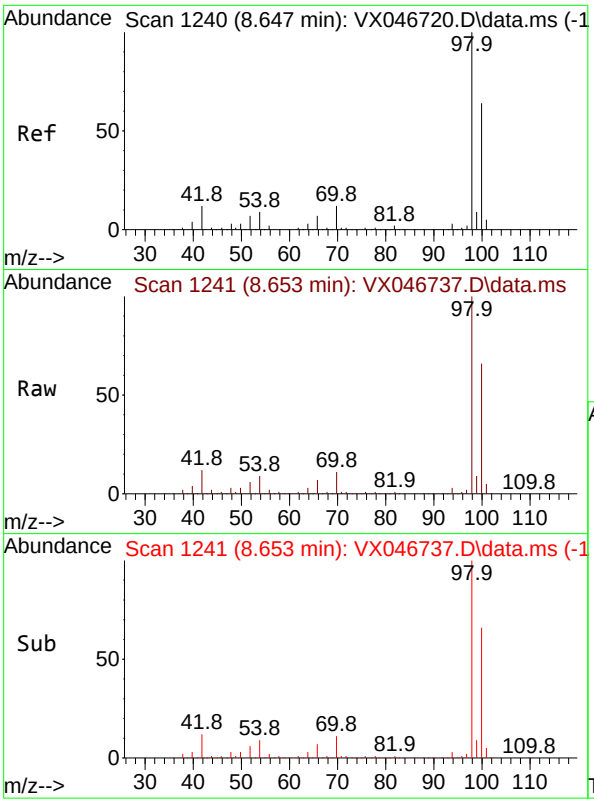




#35
Dibromofluoromethane
Concen: 48.810 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

Tgt Ion:113 Resp: 106849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |



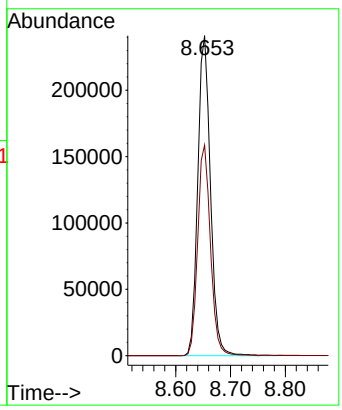


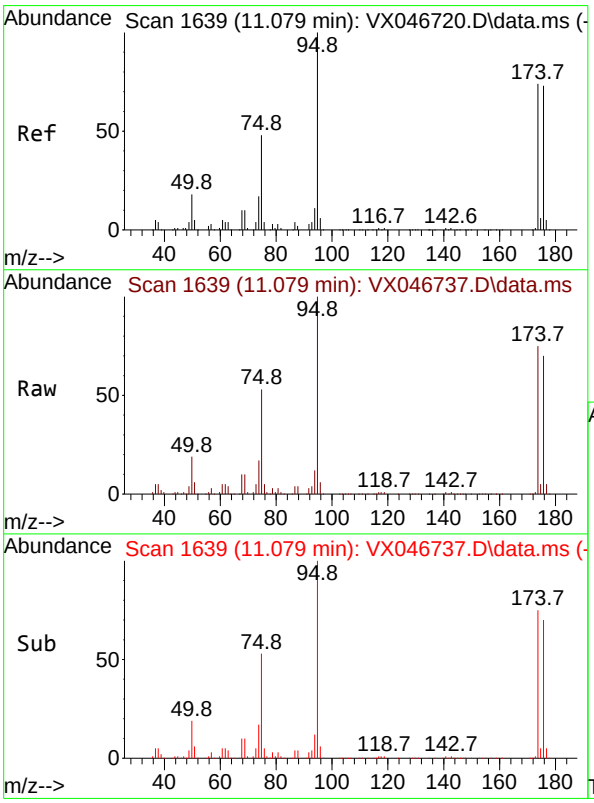

#50
Toluene-d8
Concen: 49.419 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Tgt Ion: 98 Resp: 388674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 53.0 | 79.4 |

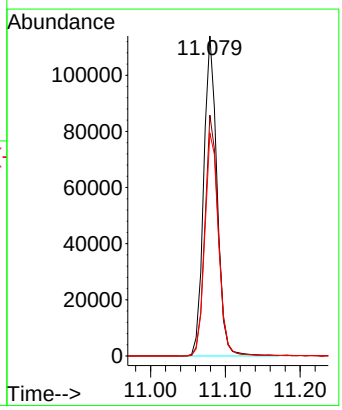


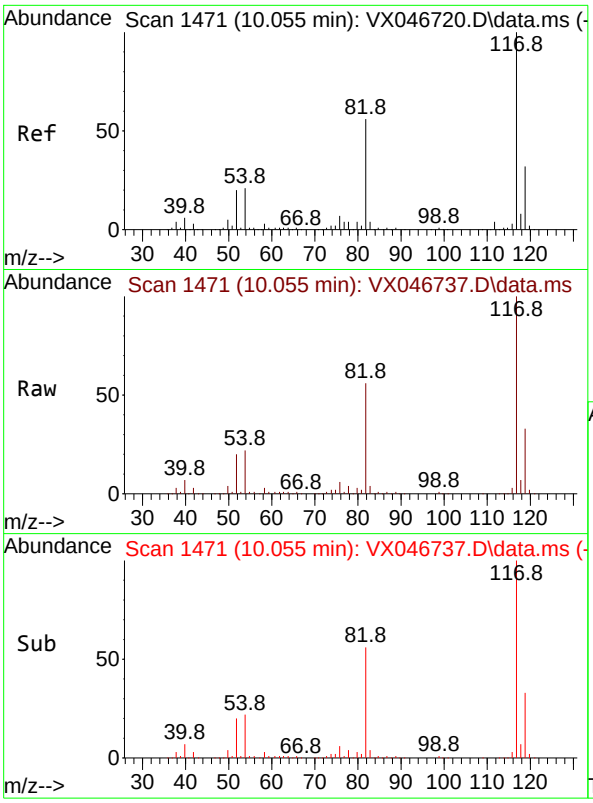




#62
4-Bromofluorobenzene
Concen: 48.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

Tgt Ion: 95 Resp: 141124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |



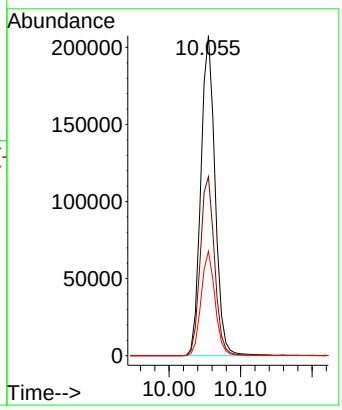


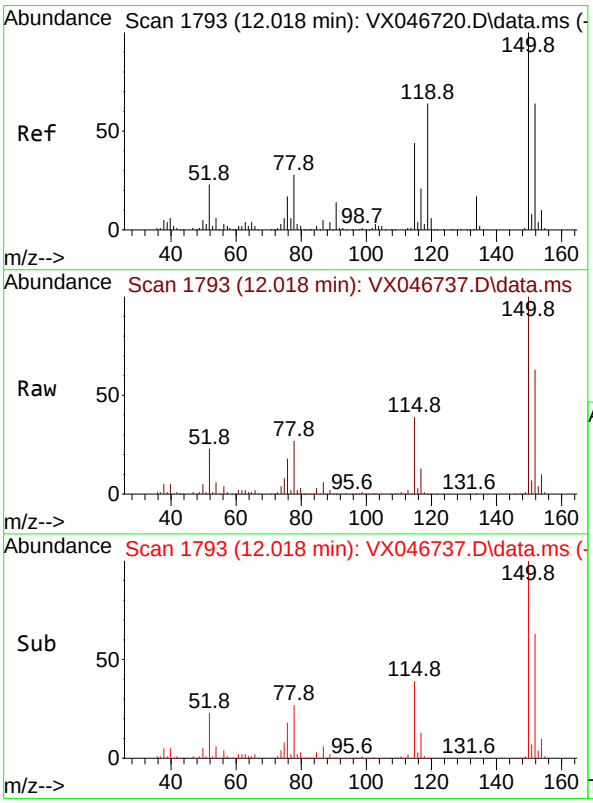

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP05-20250616

Tgt Ion:117 Resp: 287321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 44.6 | 66.8 |
| 119 | 32.7 | 25.8 | 38.8 |

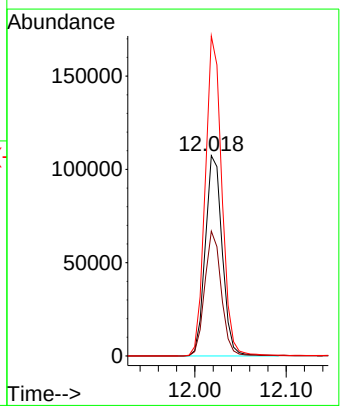



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046737.D
Acq: 18 Jun 2025 13:15

Tgt Ion:152 Resp: 137822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.0 | 43.2 | 129.6 |
| 150 | 156.4 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-3-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-06 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046738.D | 1 | | 06/18/25 13:37 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-3-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-06 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046738.D | 1 | | 06/18/25 13:37 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 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 | 48.6 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 203000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 333000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 290000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 141000 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-3-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-06 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046738.D | 1 | | 06/18/25 13:37 | VX061825 |

| 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\VX061825\
Data File : VX046738.D
Acq On : 18 Jun 2025 13:37
Operator : JC/MD
Sample : Q2345-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Quant Time: Jun 19 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

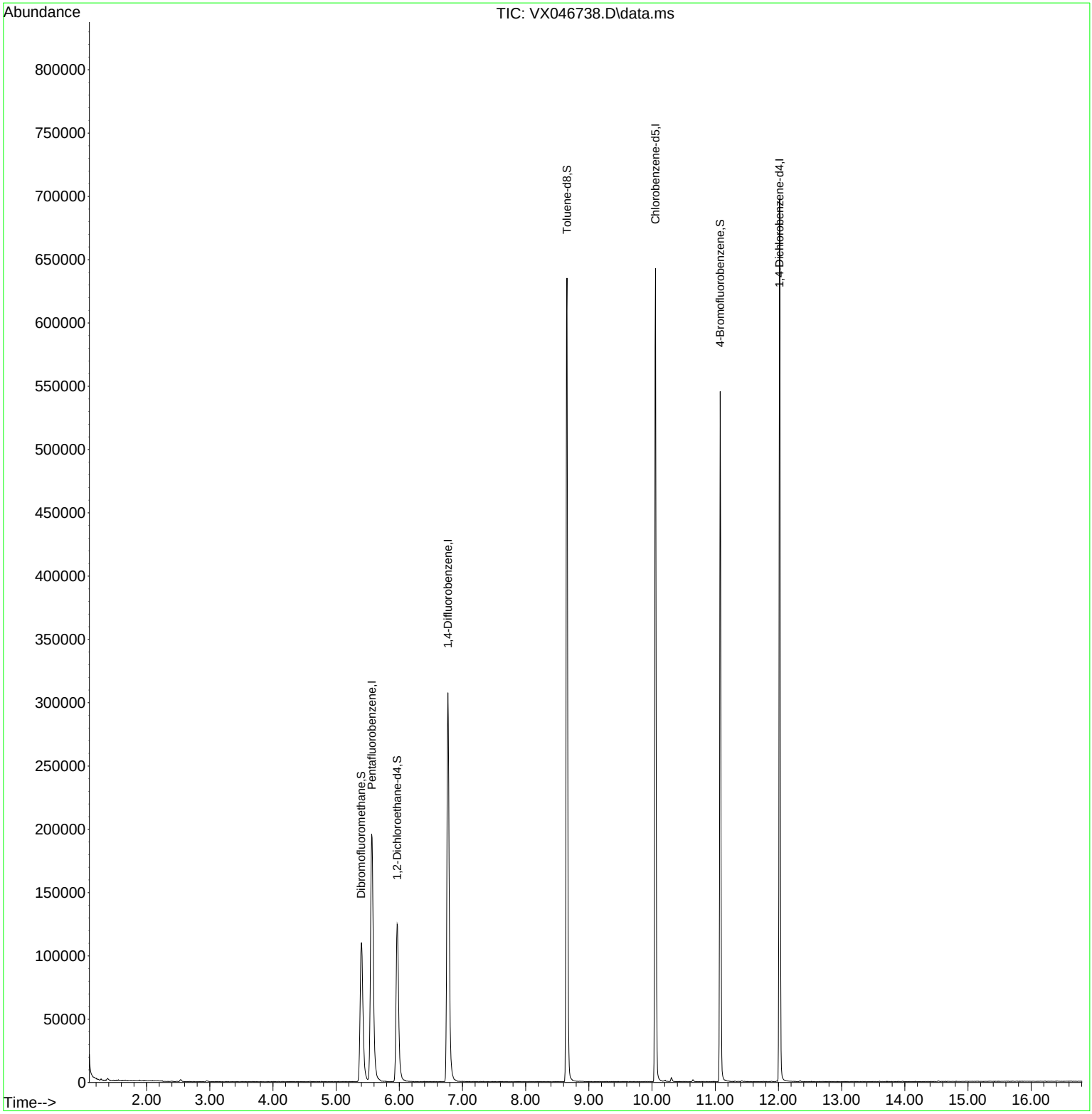
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 203124 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 332589 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 290067 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 141430 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 130171 | 46.331 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 92.660% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 107039 | 48.643 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.280% | | |
| 50) Toluene-d8 | 8.653 | 98 | 391335 | 49.499 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.000% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 141753 | 48.100 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.200% | | |
| Target Compounds | | | | | | Qvalue |

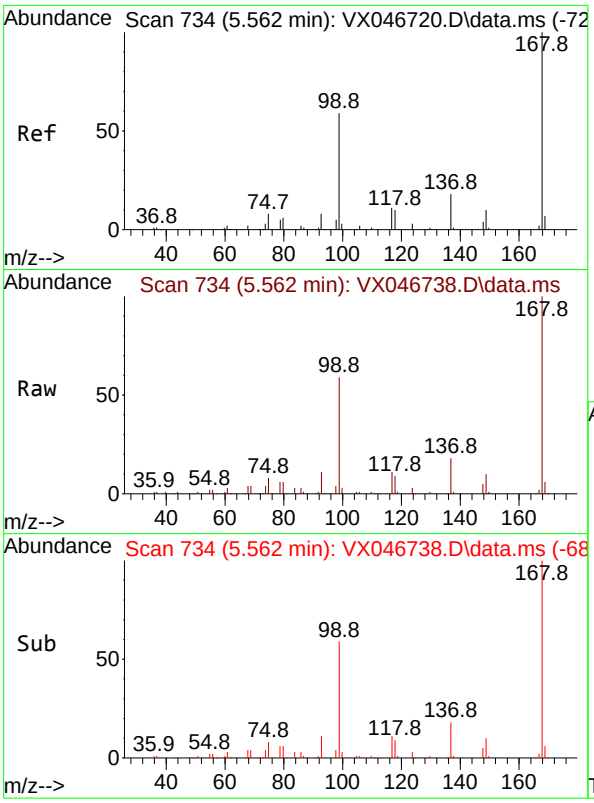
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046738.D
Acq On : 18 Jun 2025 13:37
Operator : JC/MD
Sample : Q2345-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Quant Time: Jun 19 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



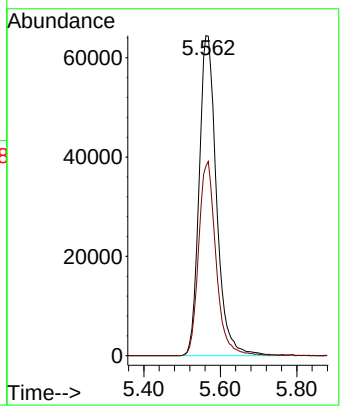


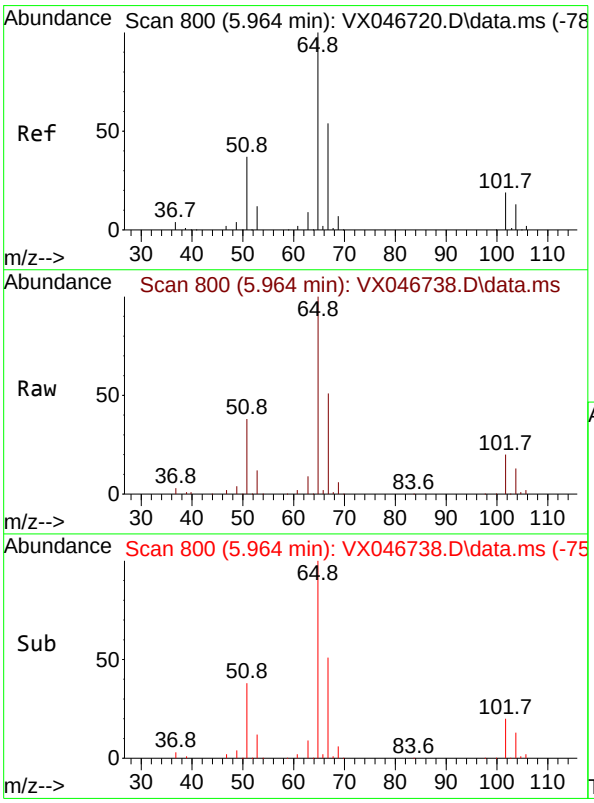

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Tgt Ion:168 Resp: 203124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 48.5 | 72.7 |

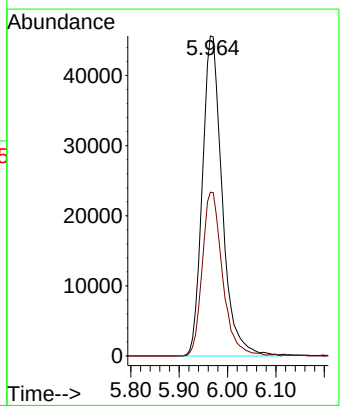


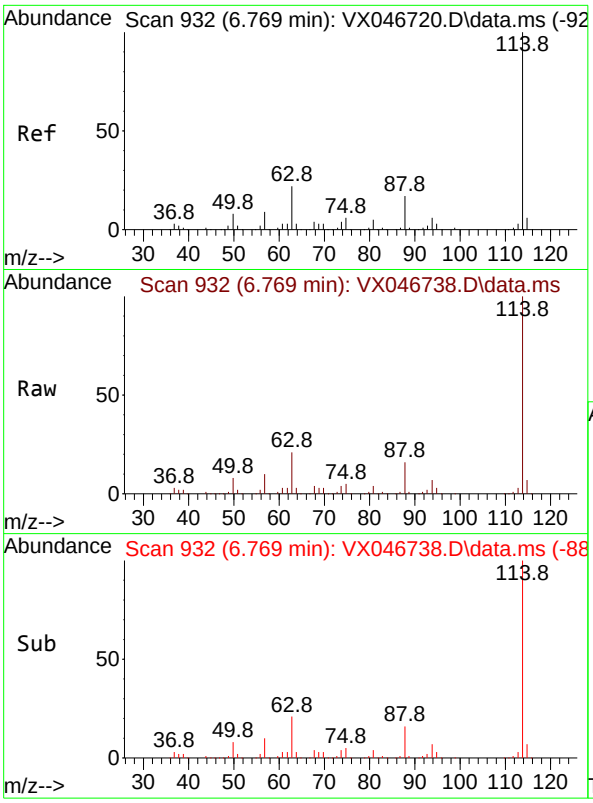




#33
1,2-Dichloroethane-d4
Concen: 46.331 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

Tgt Ion: 65 Resp: 130171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 105.4 |



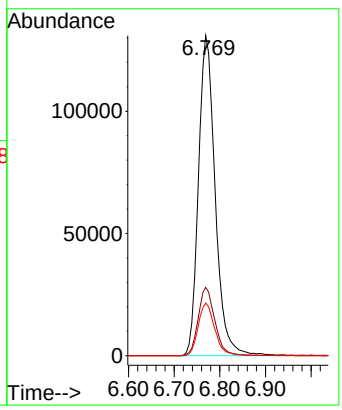


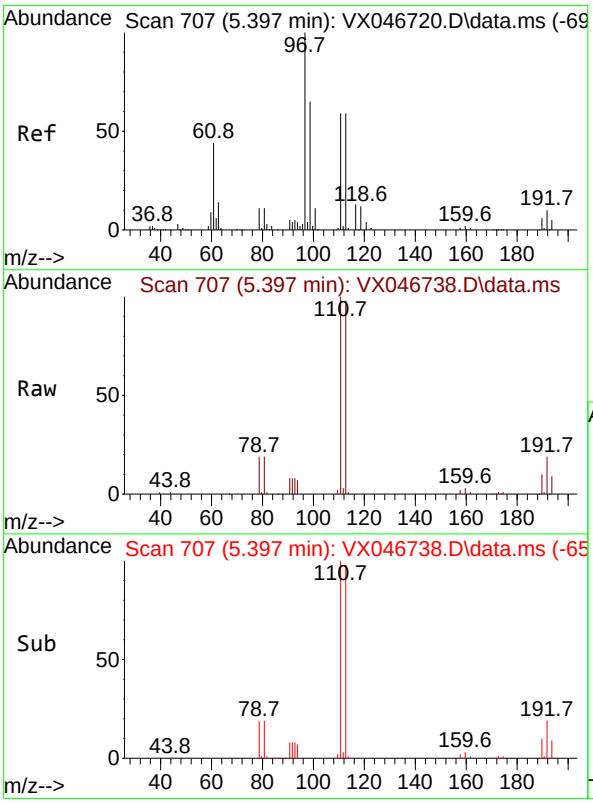

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Tgt Ion:114 Resp: 332589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 44.2 |
| 88 | 16.5 | 0.0 | 33.2 |

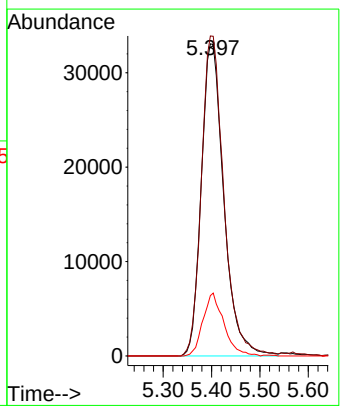


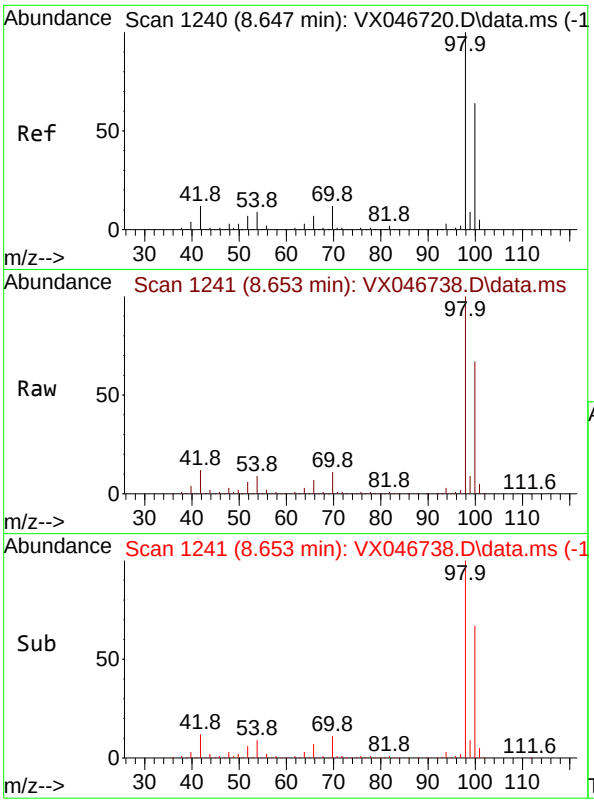




#35
Dibromofluoromethane
Concen: 48.643 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

Tgt Ion:113 Resp: 107039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |



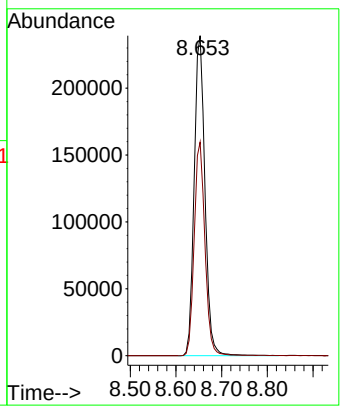


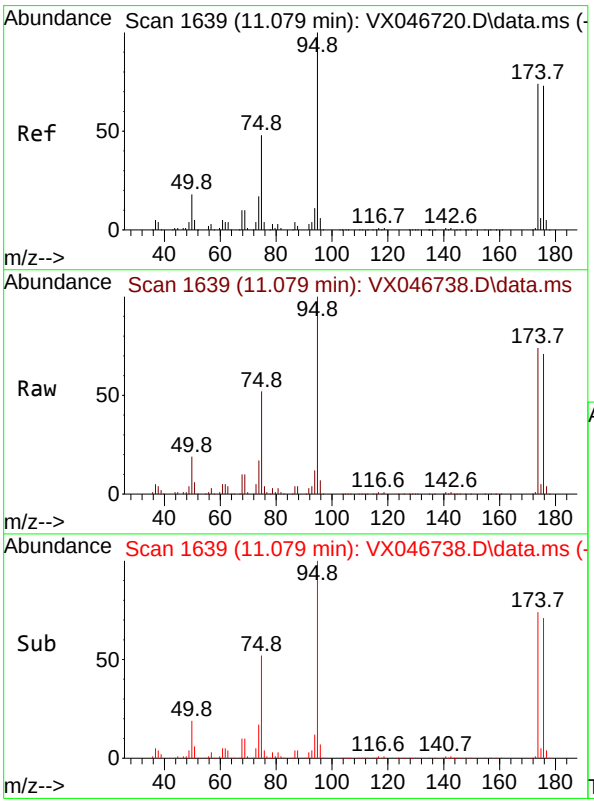

#50
Toluene-d8
Concen: 49.499 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Tgt Ion: 98 Resp: 391335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.5 | 53.0 | 79.4 |

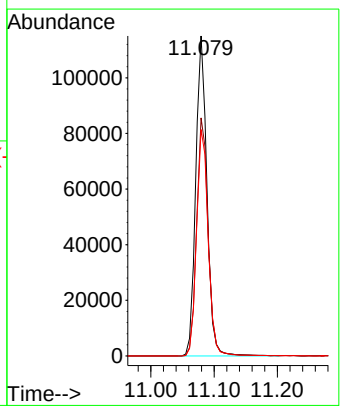


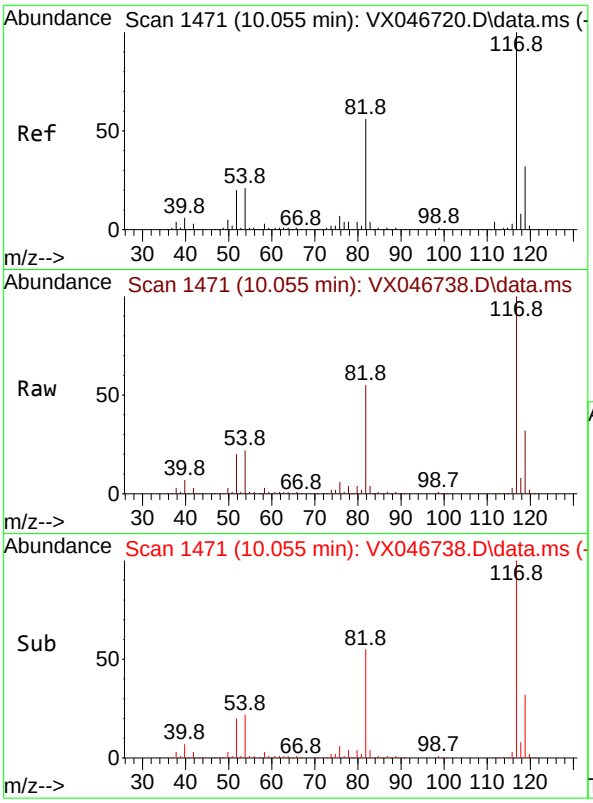




#62
4-Bromofluorobenzene
Concen: 48.100 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

Tgt Ion: 95 Resp: 141753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 150.4 |
| 176 | 73.6 | 0.0 | 145.0 |



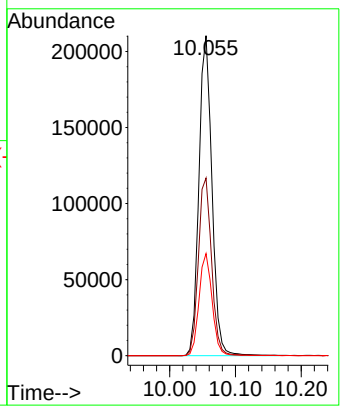


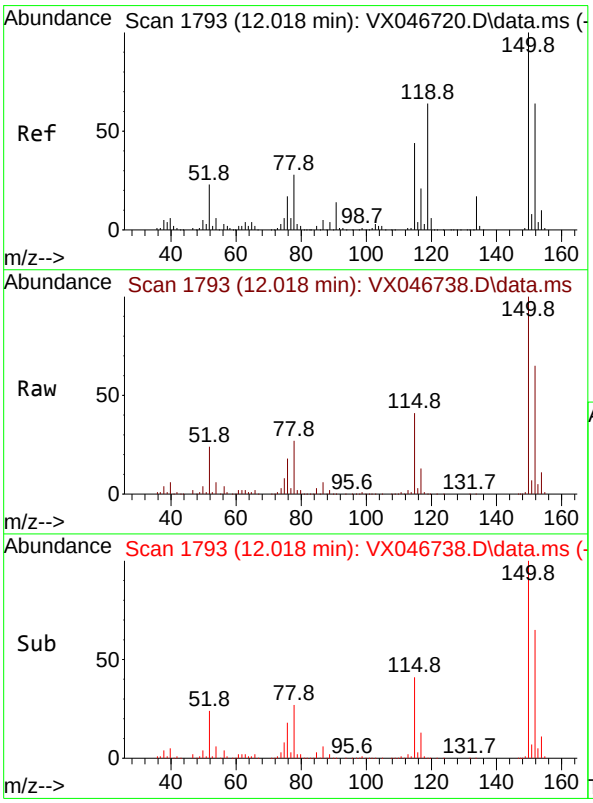

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-3-20250616

Tgt Ion:117 Resp: 290067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 44.6 | 66.8 |
| 119 | 31.9 | 25.8 | 38.8 |

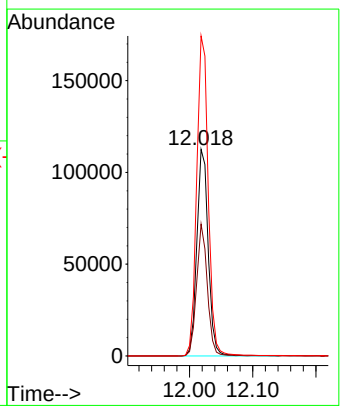



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046738.D
Acq: 18 Jun 2025 13:37

Tgt Ion:152 Resp: 141430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 43.2 | 129.6 |
| 150 | 156.6 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-07 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046739.D | 1 | | 06/18/25 13:58 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-07 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046739.D | 1 | | 06/18/25 13:58 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.2 | | 81 - 118 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.2 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.7 | | 85 - 114 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 138000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 229000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 205000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 98500 | 12.018 | | | | |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-07 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046739.D | 1 | | 06/18/25 13:58 | VX061825 |

| 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\VX061825\
Data File : VX046739.D
Acq On : 18 Jun 2025 13:58
Operator : JC/MD
Sample : Q2345-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Quant Time: Jun 19 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

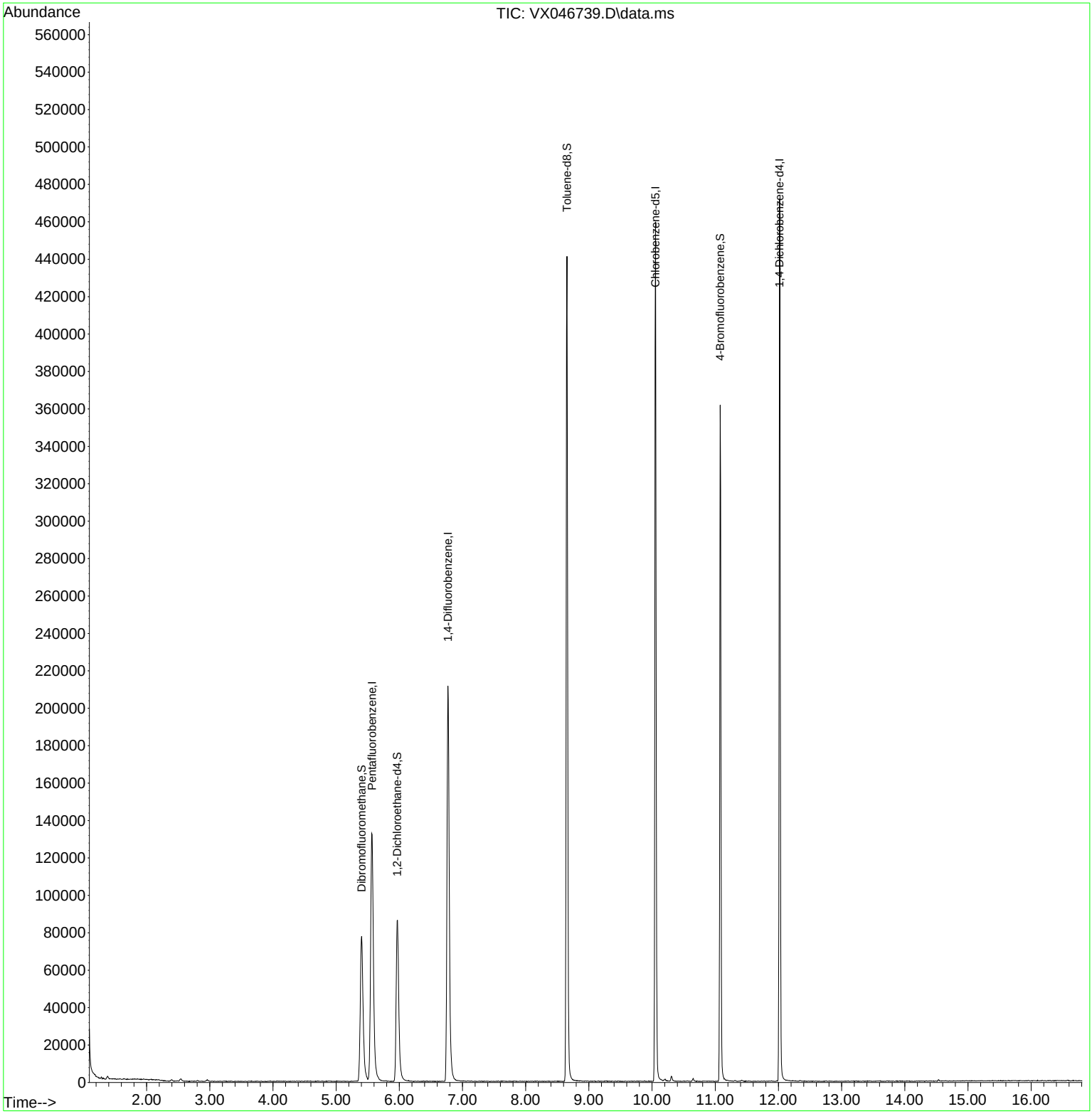
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 138024 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 229333 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 204785 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98514 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 92104 | 48.244 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 96.480% | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 73789 | 48.631 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.260% | | |
| 50) Toluene-d8 | 8.653 | 98 | 268168 | 49.192 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.380% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 101037 | 49.720 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 99.440% | | |
| Target Compounds | | | | | | Qvalue |

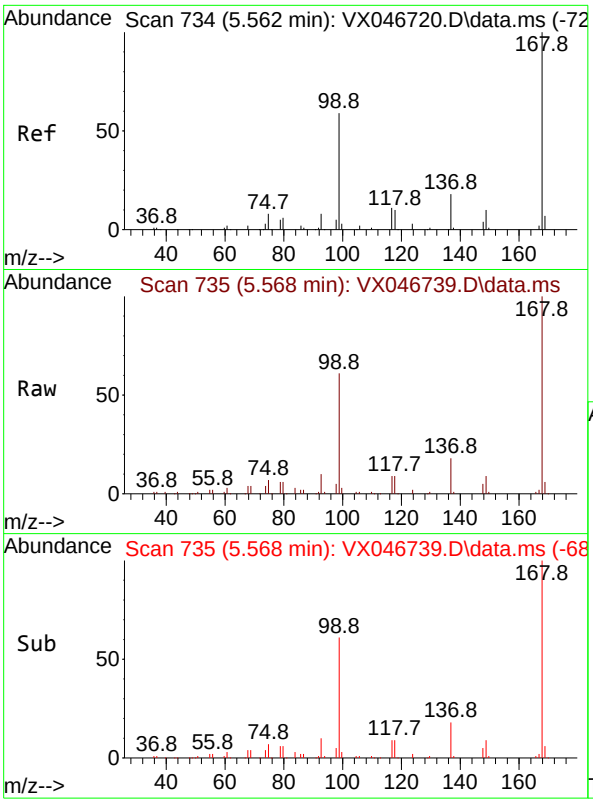
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046739.D
Acq On : 18 Jun 2025 13:58
Operator : JC/MD
Sample : Q2345-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Quant Time: Jun 19 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



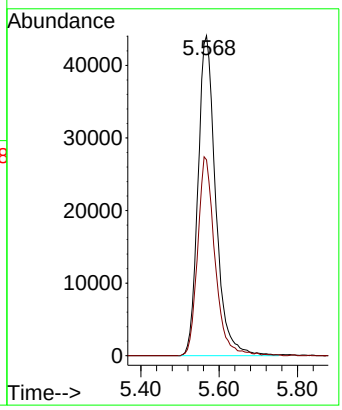


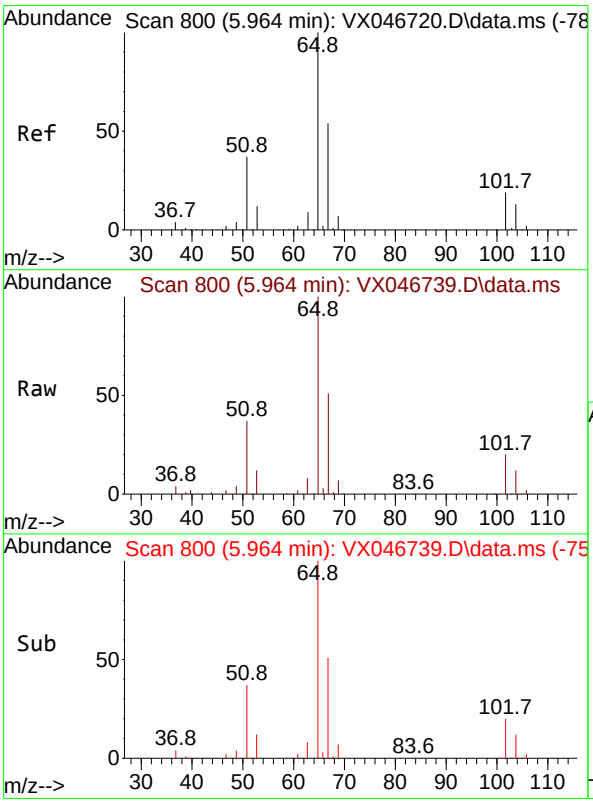

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Tgt Ion:168 Resp: 138024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 48.5 | 72.7 |

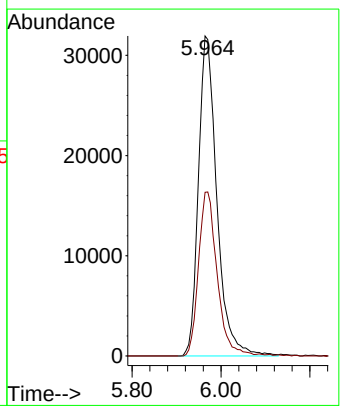


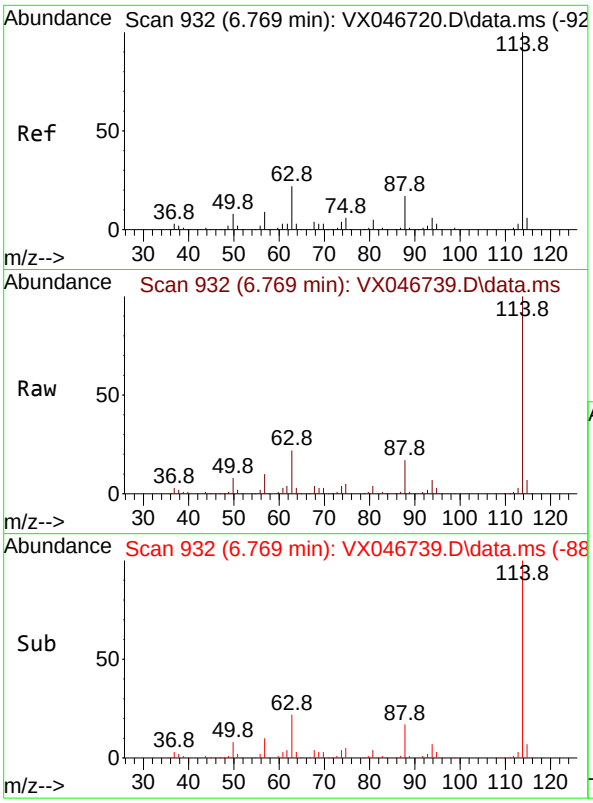




#33
1,2-Dichloroethane-d4
Concen: 48.244 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 65 Resp: 92104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.4 |



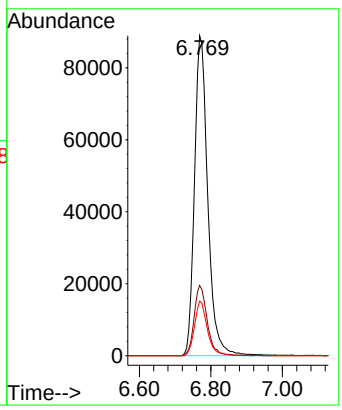


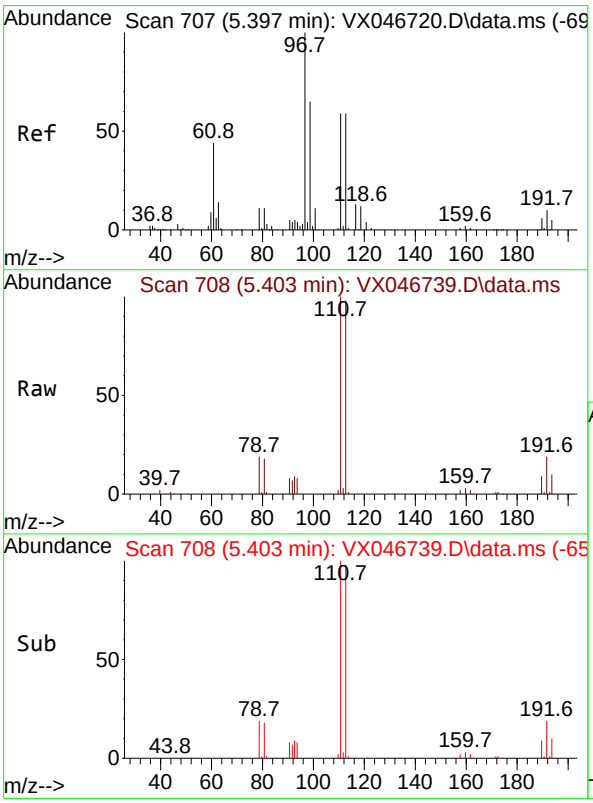

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Tgt Ion:114 Resp: 229333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.9 | 0.0 | 44.2 |
| 88 | 17.0 | 0.0 | 33.2 |

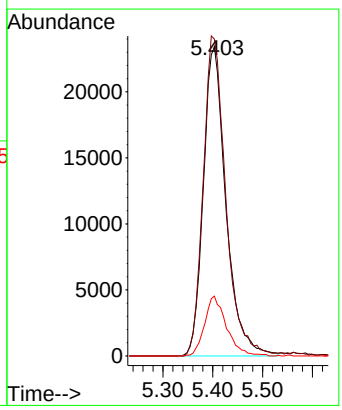


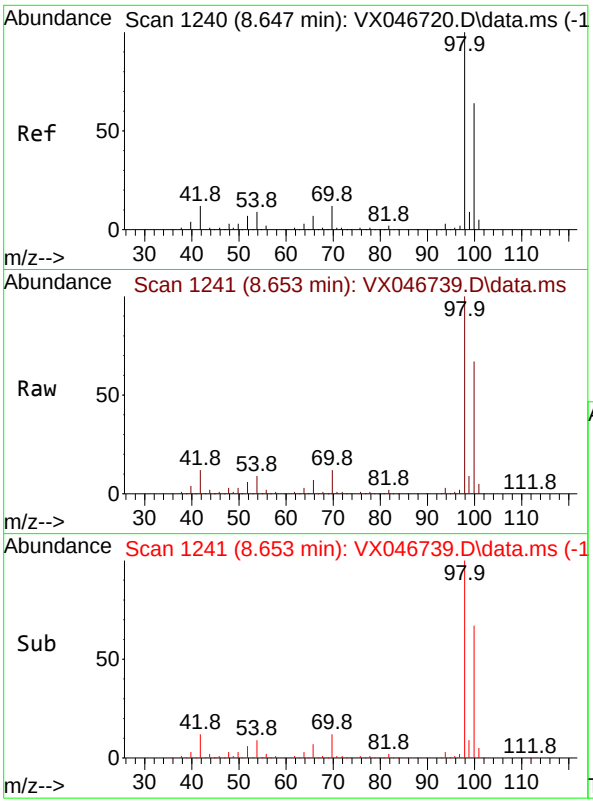




#35
Dibromofluoromethane
Concen: 48.631 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion:113 Resp: 73789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |



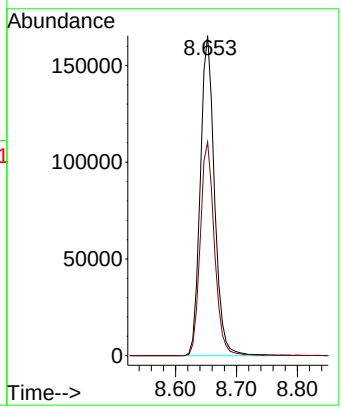


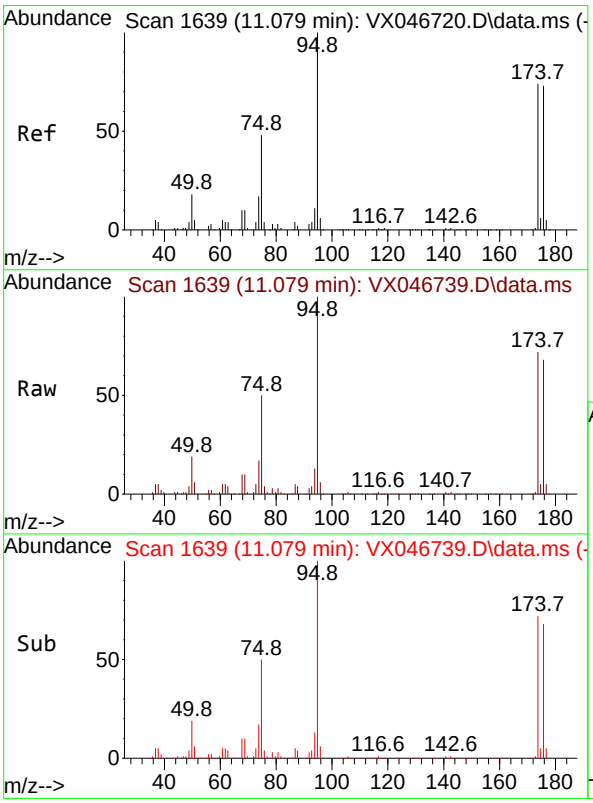

#50
Toluene-d8
Concen: 49.192 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Tgt Ion: 98 Resp: 268168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

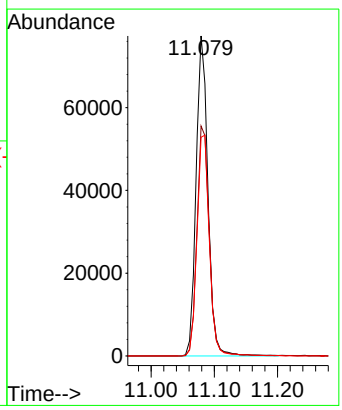


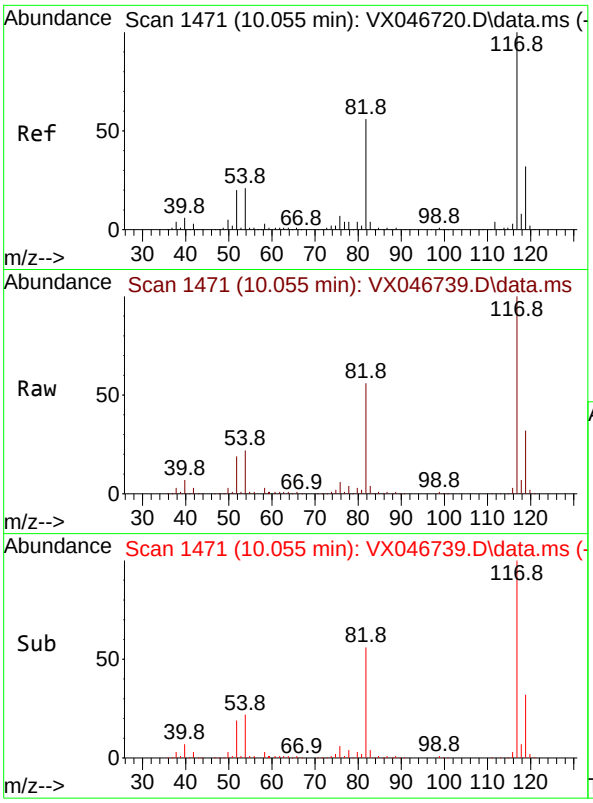




#62
4-Bromofluorobenzene
Concen: 49.720 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion: 95 Resp: 101037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.8 | 0.0 | 150.4 |
| 176 | 72.1 | 0.0 | 145.0 |



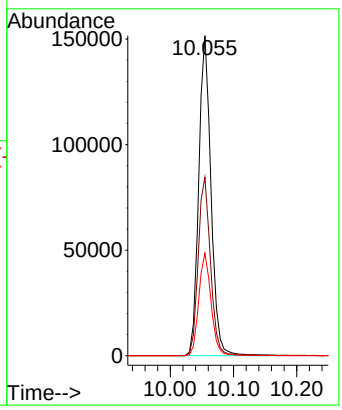


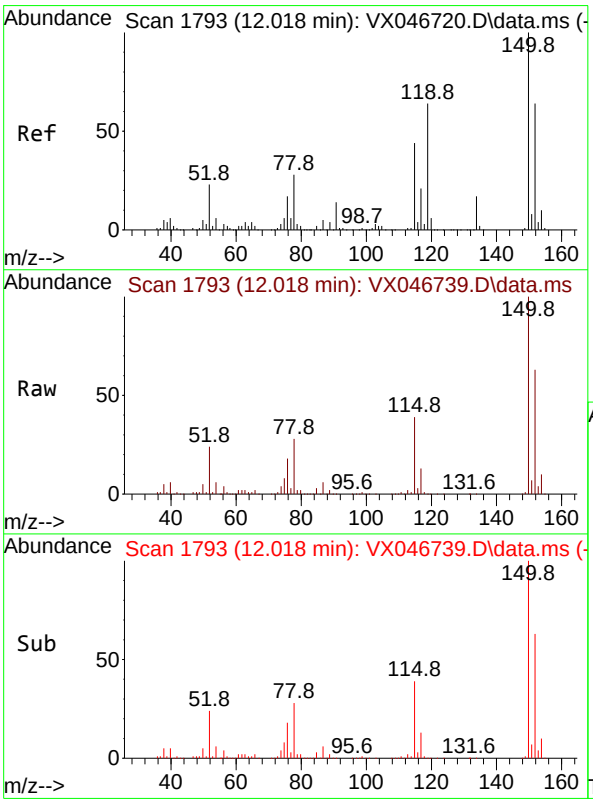

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616

Tgt Ion:117 Resp: 204785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 32.0 | 25.8 | 38.8 |

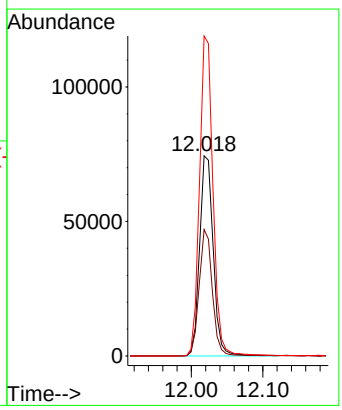



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046739.D
Acq: 18 Jun 2025 13:58

Tgt Ion:152 Resp: 98514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 43.2 | 129.6 |
| 150 | 157.7 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-6-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-10 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046740.D | 1 | | 06/18/25 14:20 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-6-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-10 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046740.D | 1 | | 06/18/25 14:20 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.9 | | 81 - 118 | | 94% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.7 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.7 | | 85 - 114 | | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 203000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 334000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 291000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 140000 | 12.018 | | | | |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-6-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-10 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046740.D | 1 | | 06/18/25 14:20 | VX061825 |

| 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\VX061825\
Data File : VX046740.D
Acq On : 18 Jun 2025 14:20
Operator : JC/MD
Sample : Q2345-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Quant Time: Jun 19 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

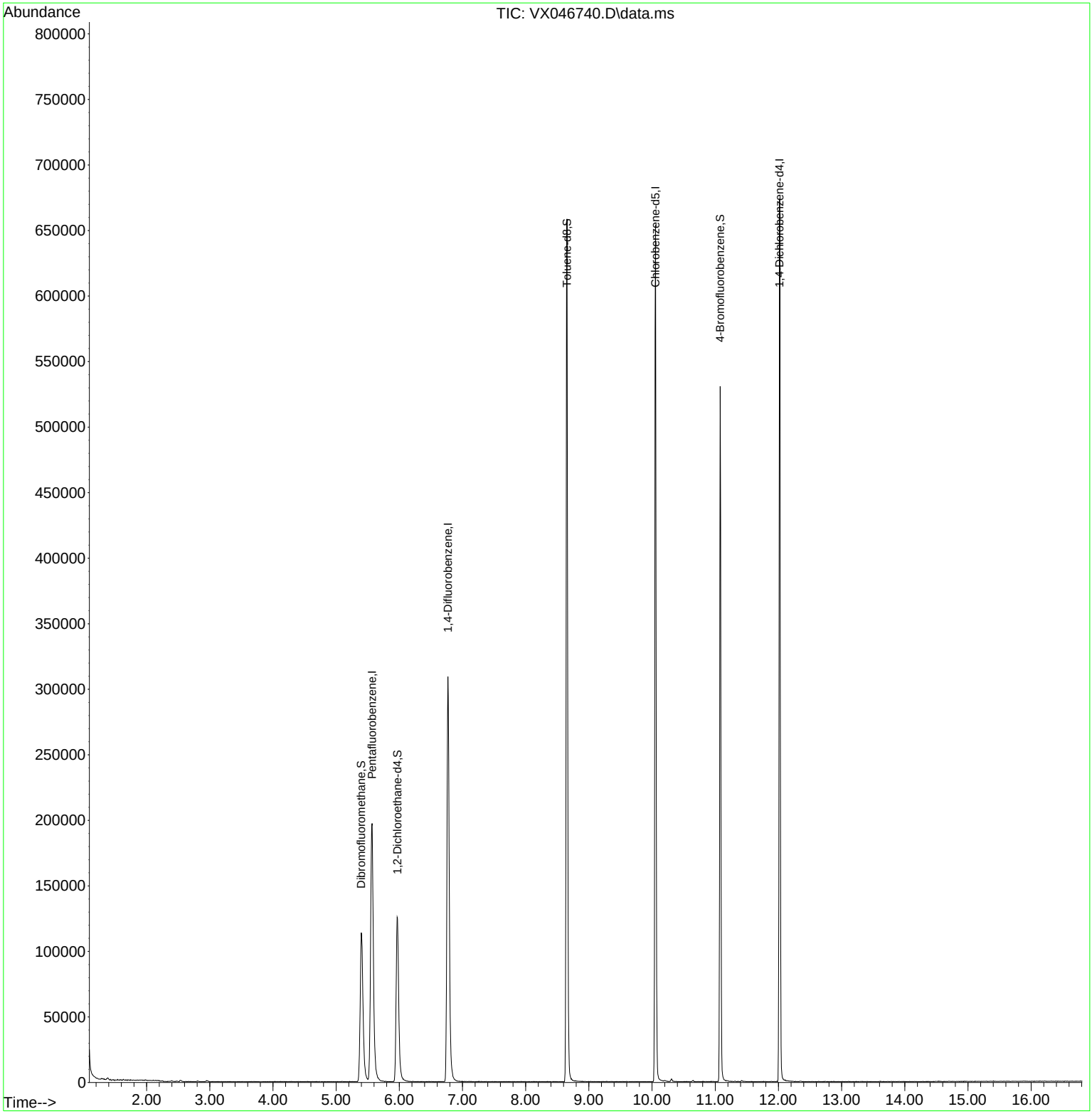
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 202843 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 334138 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 291485 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 140253 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 131452 | 46.852 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.700% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 107684 | 48.709 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.420% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 392813 | 49.455 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.920% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 141107 | 47.659 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.320% | | | |
| Target Compounds | | | | | | Qvalue |

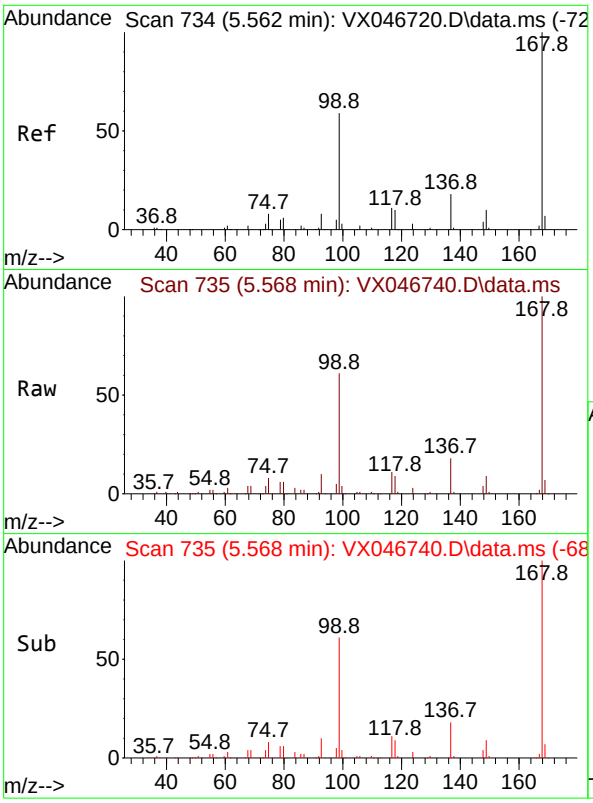
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046740.D
Acq On : 18 Jun 2025 14:20
Operator : JC/MD
Sample : Q2345-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Quant Time: Jun 19 01:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



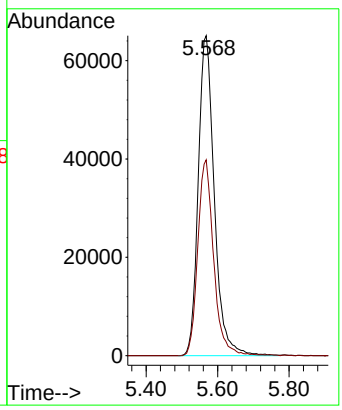


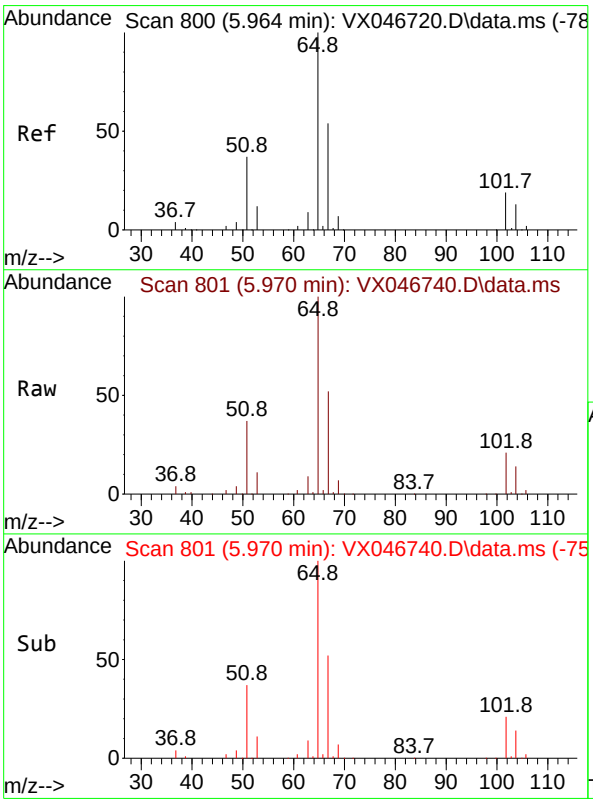

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Tgt Ion:168 Resp: 202843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 48.5 | 72.7 |

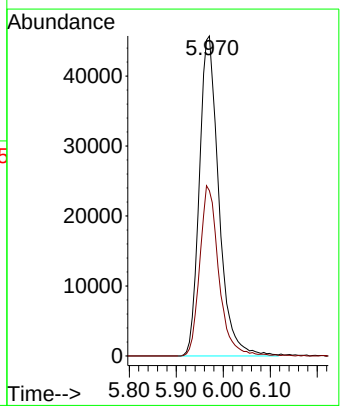


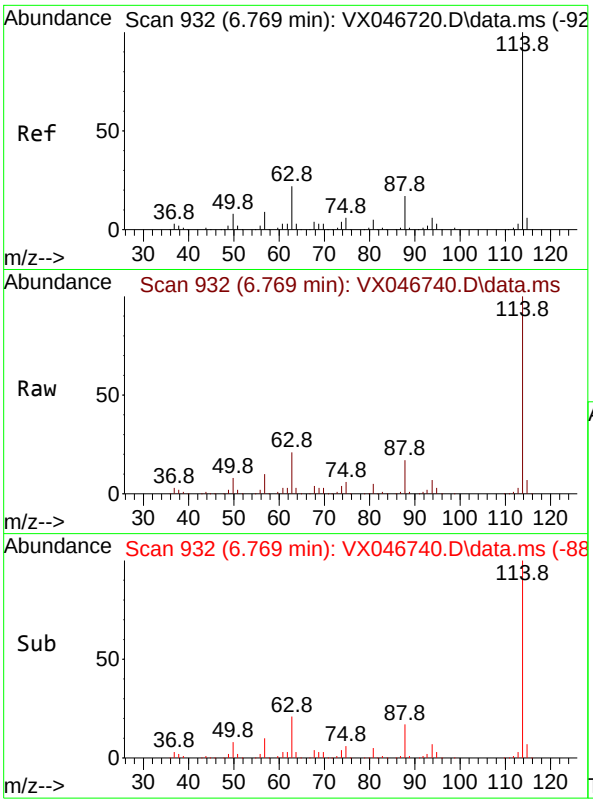




#33
1,2-Dichloroethane-d4
Concen: 46.852 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

Tgt Ion: 65 Resp: 131452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 105.4 |



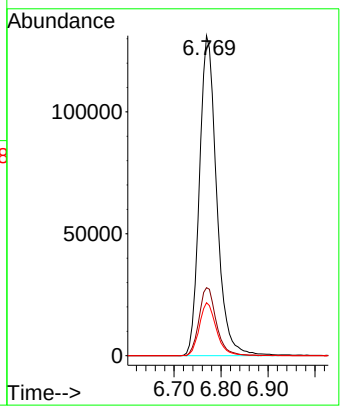


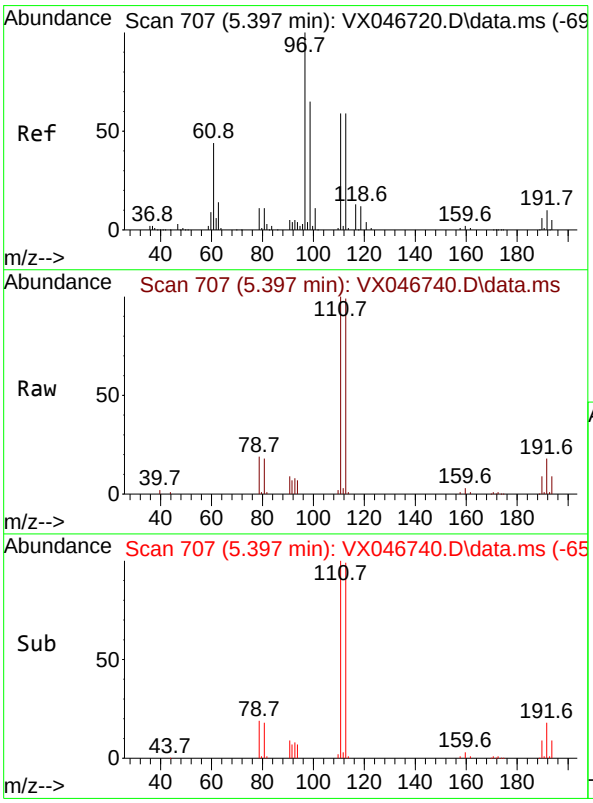

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Tgt Ion:114 Resp: 334138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.4 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |

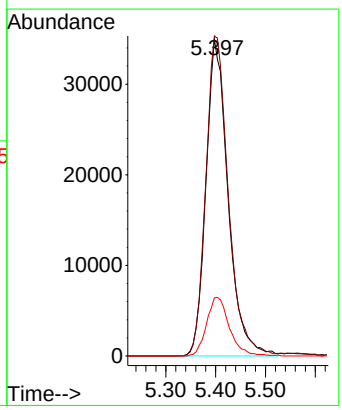


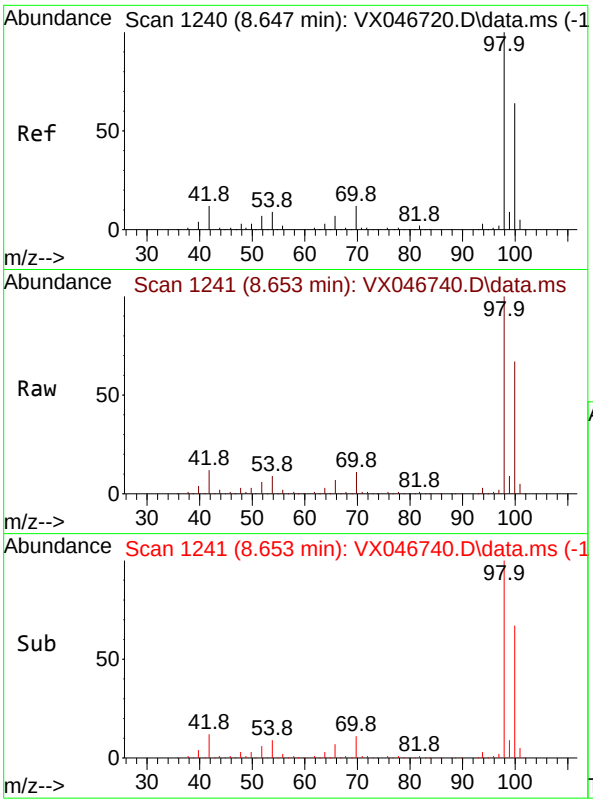




#35
Dibromofluoromethane
Concen: 48.709 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

Tgt Ion:113 Resp: 107684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.0 | 123.0 |
| 192 | 19.0 | 15.3 | 22.9 |



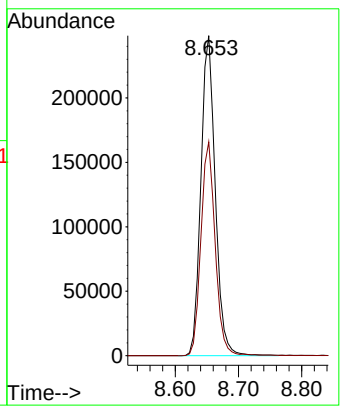


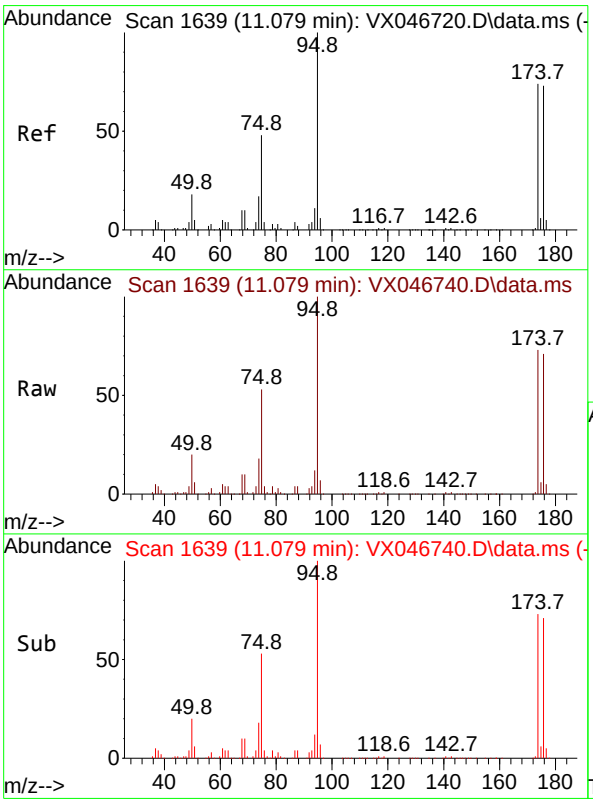

#50
Toluene-d8
Concen: 49.455 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Tgt Ion: 98 Resp: 392813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.0 | 79.4 |

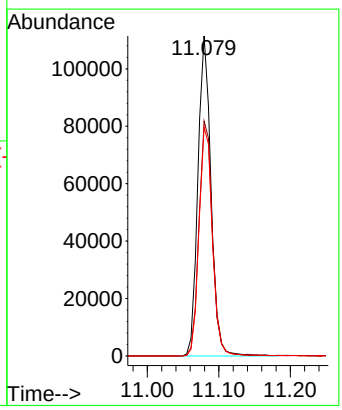


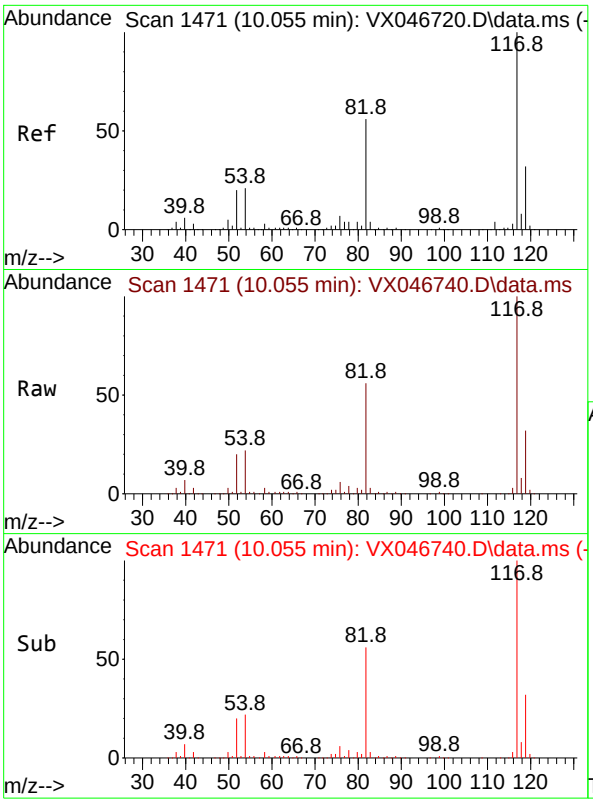




#62
4-Bromofluorobenzene
Concen: 47.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

Tgt Ion: 95 Resp: 141107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 150.4 |
| 176 | 73.3 | 0.0 | 145.0 |



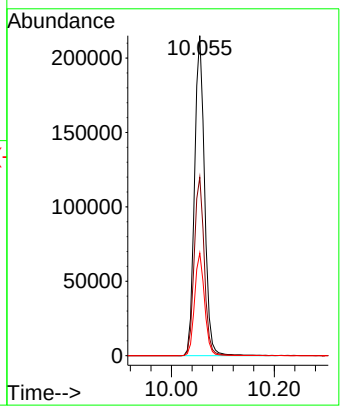


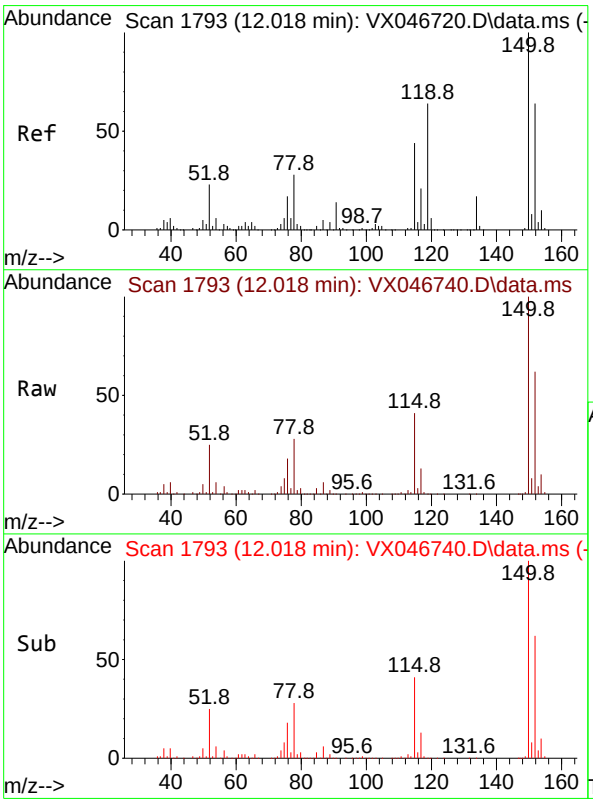

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-6-20250616

Tgt Ion:117 Resp: 291485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

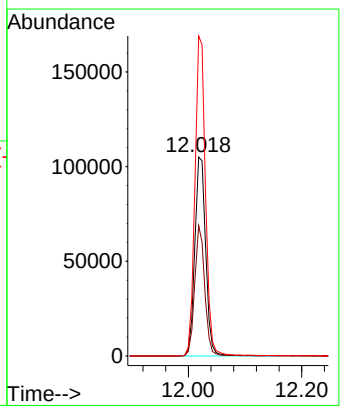



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046740.D
Acq: 18 Jun 2025 14:20

Tgt Ion:152 Resp: 140253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.6 | 43.2 | 129.6 |
| 150 | 155.9 | 0.0 | 346.8 |



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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-10-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-11 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046741.D | 1 | | 06/18/25 14:41 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-10-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-11 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046741.D | 1 | | 06/18/25 14:41 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.2 | | 81 - 118 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.8 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 221000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 360000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 315000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 152000 | 12.018 | | | | |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-10-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-11 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046741.D | 1 | | 06/18/25 14:41 | VX061825 |

| 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\VX061825\
Data File : VX046741.D
Acq On : 18 Jun 2025 14:41
Operator : JC/MD
Sample : Q2345-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Quant Time: Jun 19 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

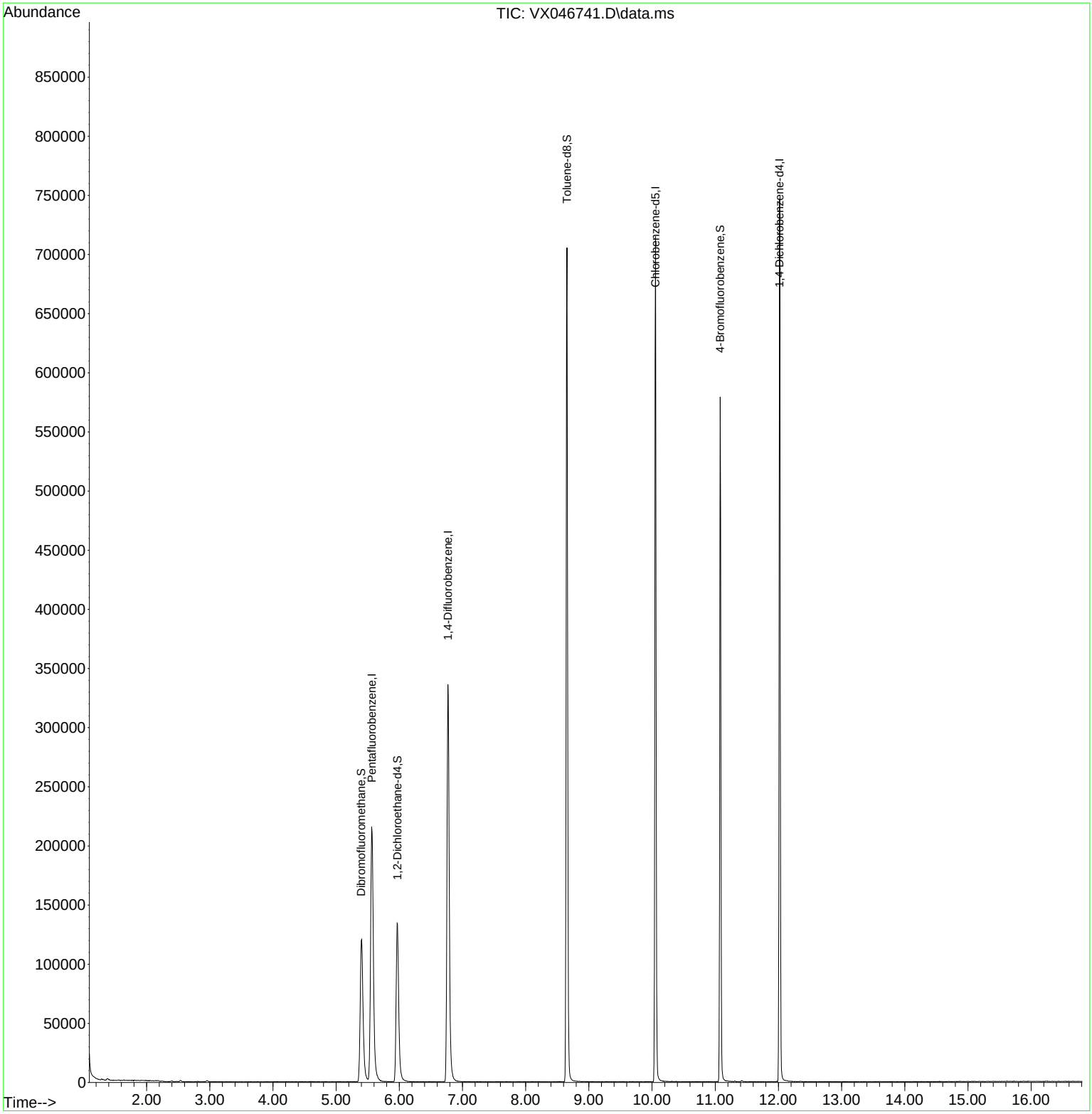
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 221164 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 359780 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 315084 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 151979 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 141476 | 46.248 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.500% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 116221 | 48.824 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.640% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 422168 | 49.363 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.720% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 155379 | 48.739 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.480% | | | |
| Target Compounds | | | | | | Qvalue |

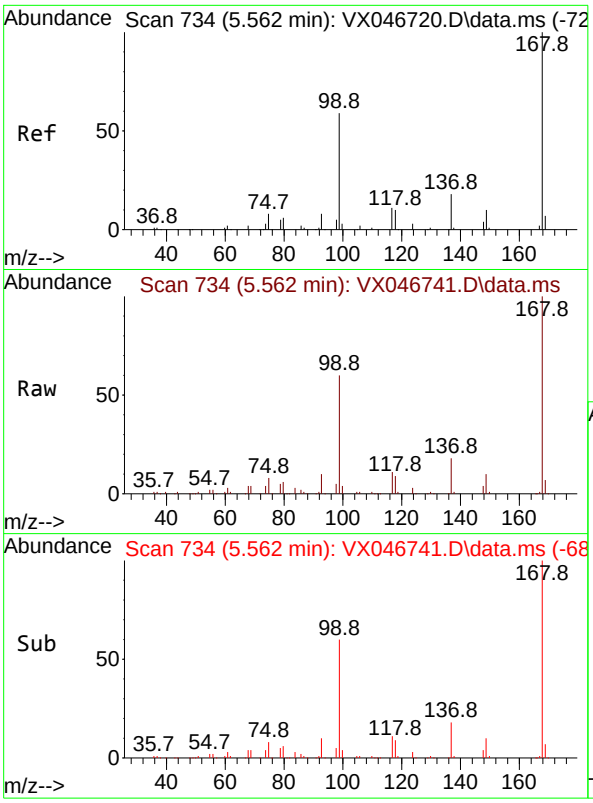
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046741.D
Acq On : 18 Jun 2025 14:41
Operator : JC/MD
Sample : Q2345-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Quant Time: Jun 19 01:24:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



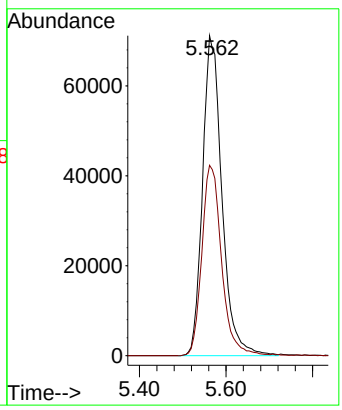


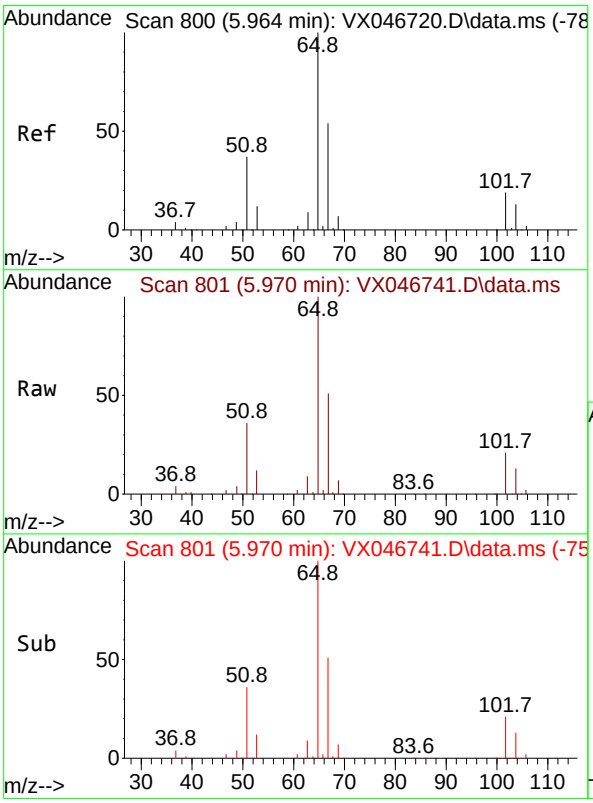

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Tgt Ion:168 Resp: 221164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 48.5 | 72.7 |

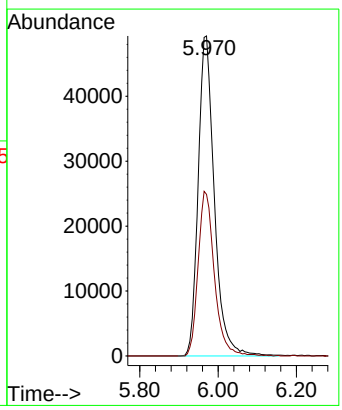


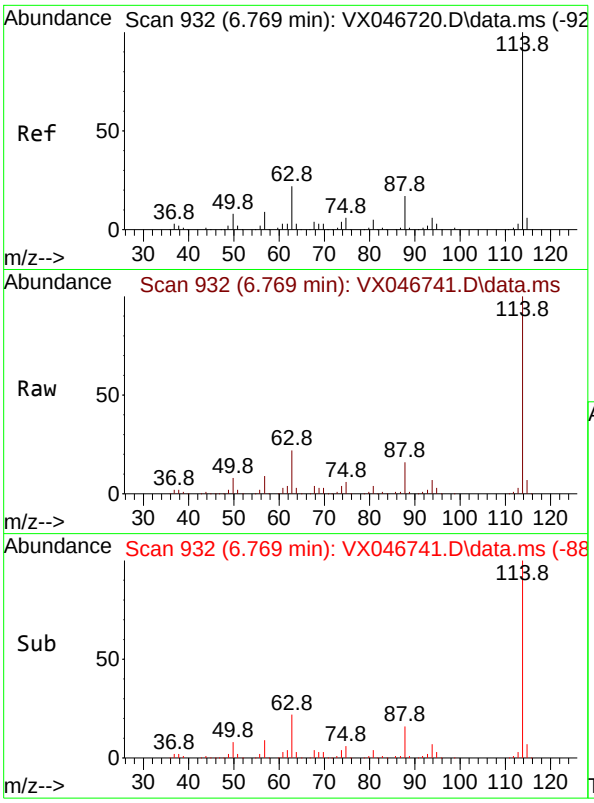




#33
1,2-Dichloroethane-d4
Concen: 46.248 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

Tgt Ion: 65 Resp: 141476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 105.4 |



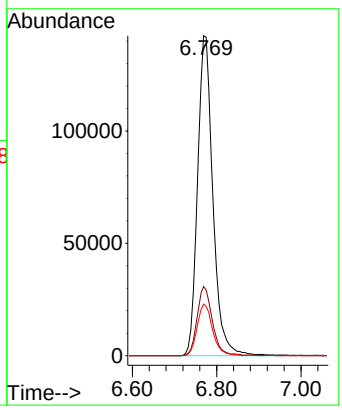


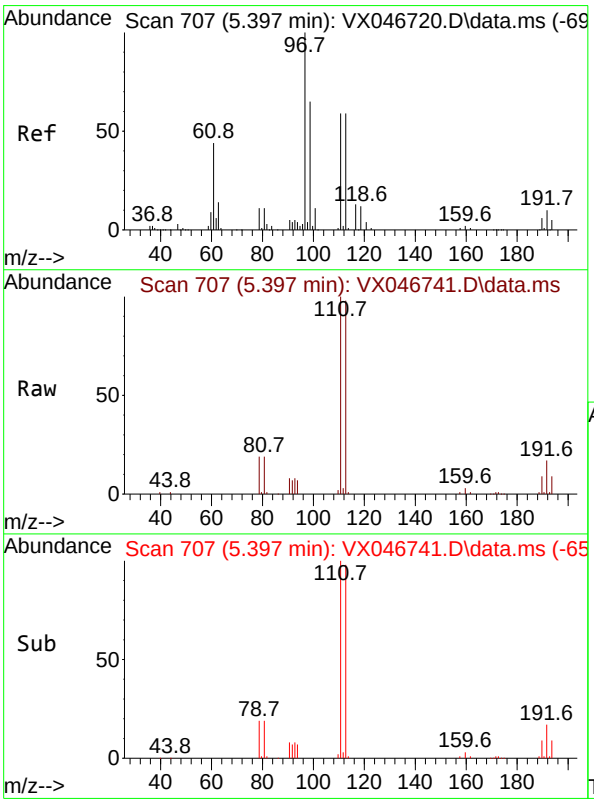

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Tgt Ion:114 Resp: 359780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

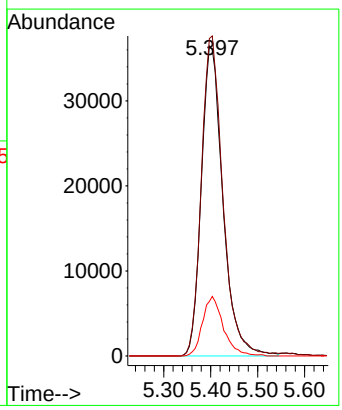


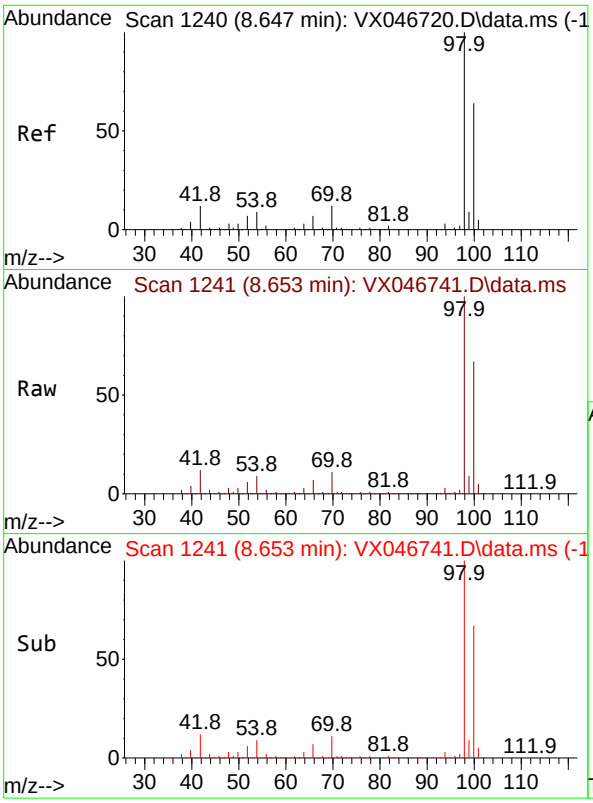




#35
Dibromofluoromethane
Concen: 48.824 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

Tgt Ion:113 Resp: 116221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |



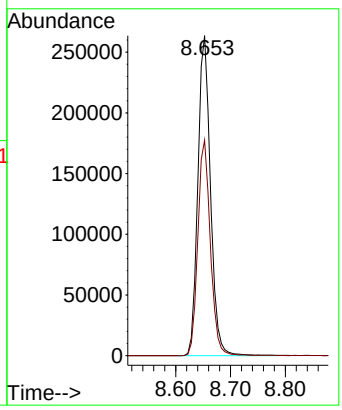


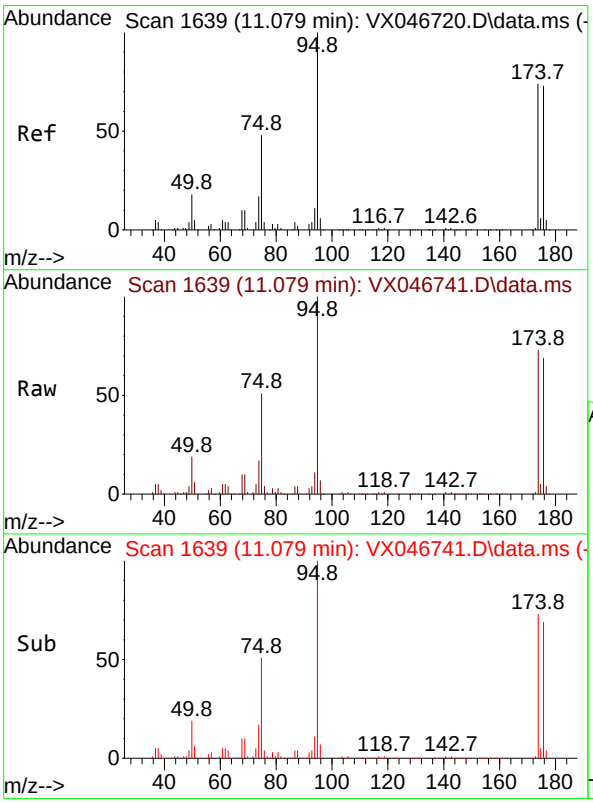

#50
Toluene-d8
Concen: 49.363 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Tgt Ion: 98 Resp: 422168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |

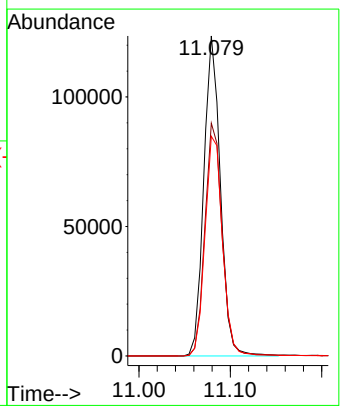


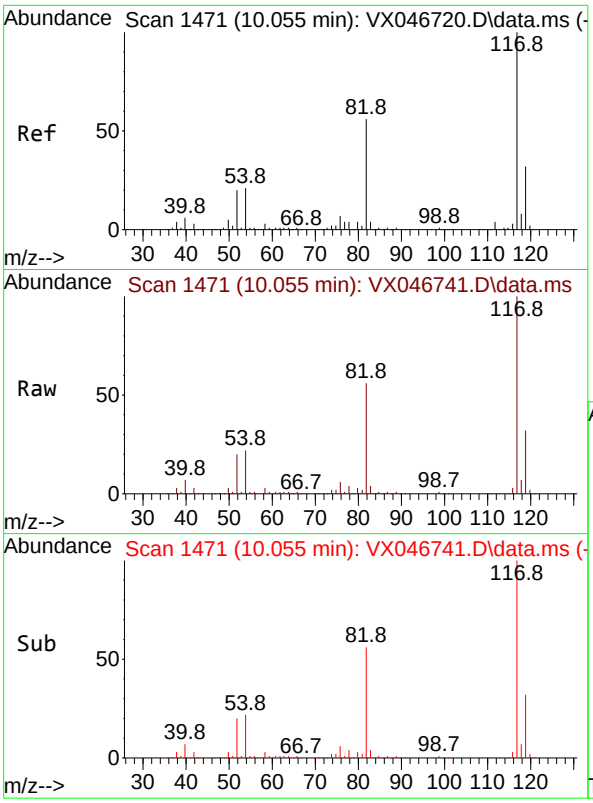




#62
4-Bromofluorobenzene
Concen: 48.739 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

Tgt Ion: 95 Resp: 155379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.4 | 0.0 | 150.4 |
| 176 | 72.9 | 0.0 | 145.0 |



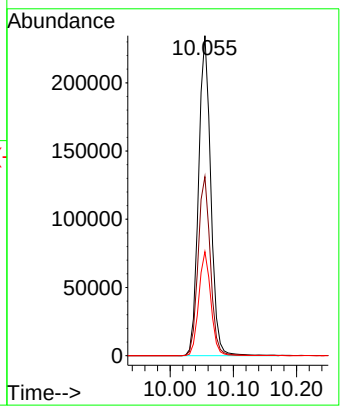


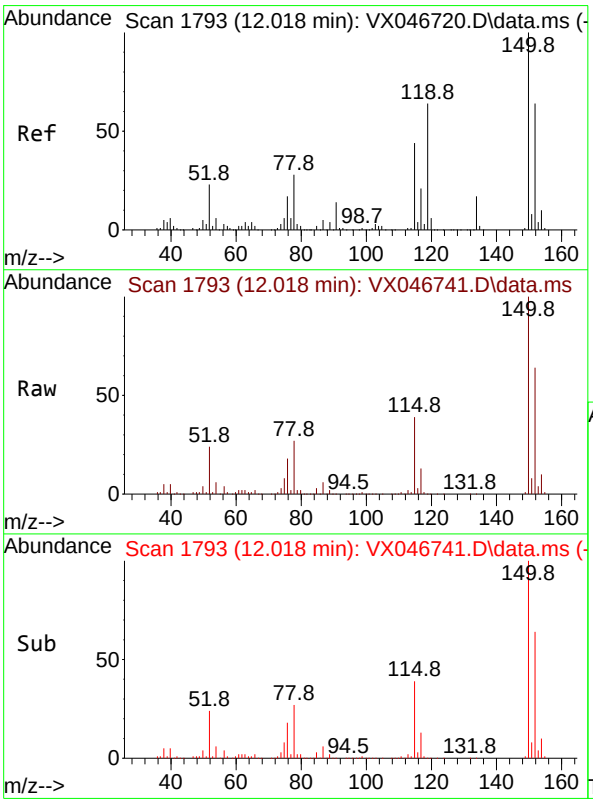

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20250616

Tgt Ion:117 Resp: 315084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 44.6 | 66.8 |
| 119 | 32.5 | 25.8 | 38.8 |

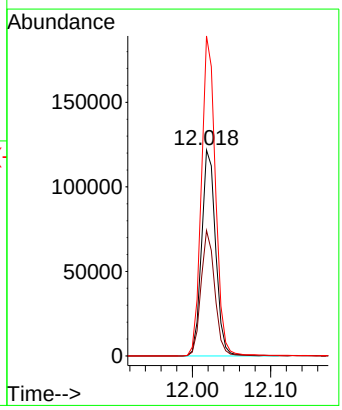



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046741.D
Acq: 18 Jun 2025 14:41

Tgt Ion:152 Resp: 151979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.7 | 43.2 | 129.6 |
| 150 | 155.4 | 0.0 | 346.8 |



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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-9-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-12 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046742.D | 1 | | 06/18/25 15:03 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-9-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-12 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046742.D | 1 | | 06/18/25 15:03 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.2 | | 81 - 118 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.5 | | 80 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.0 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.8 | | 85 - 114 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 134000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 223000 | 6.775 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 199000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 94600 | 12.018 | | | | |

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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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-9-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-12 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046742.D | 1 | | 06/18/25 15:03 | VX061825 |

| 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\VX061825\
Data File : VX046742.D
Acq On : 18 Jun 2025 15:03
Operator : JC/MD
Sample : Q2345-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Quant Time: Jun 19 01:25:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

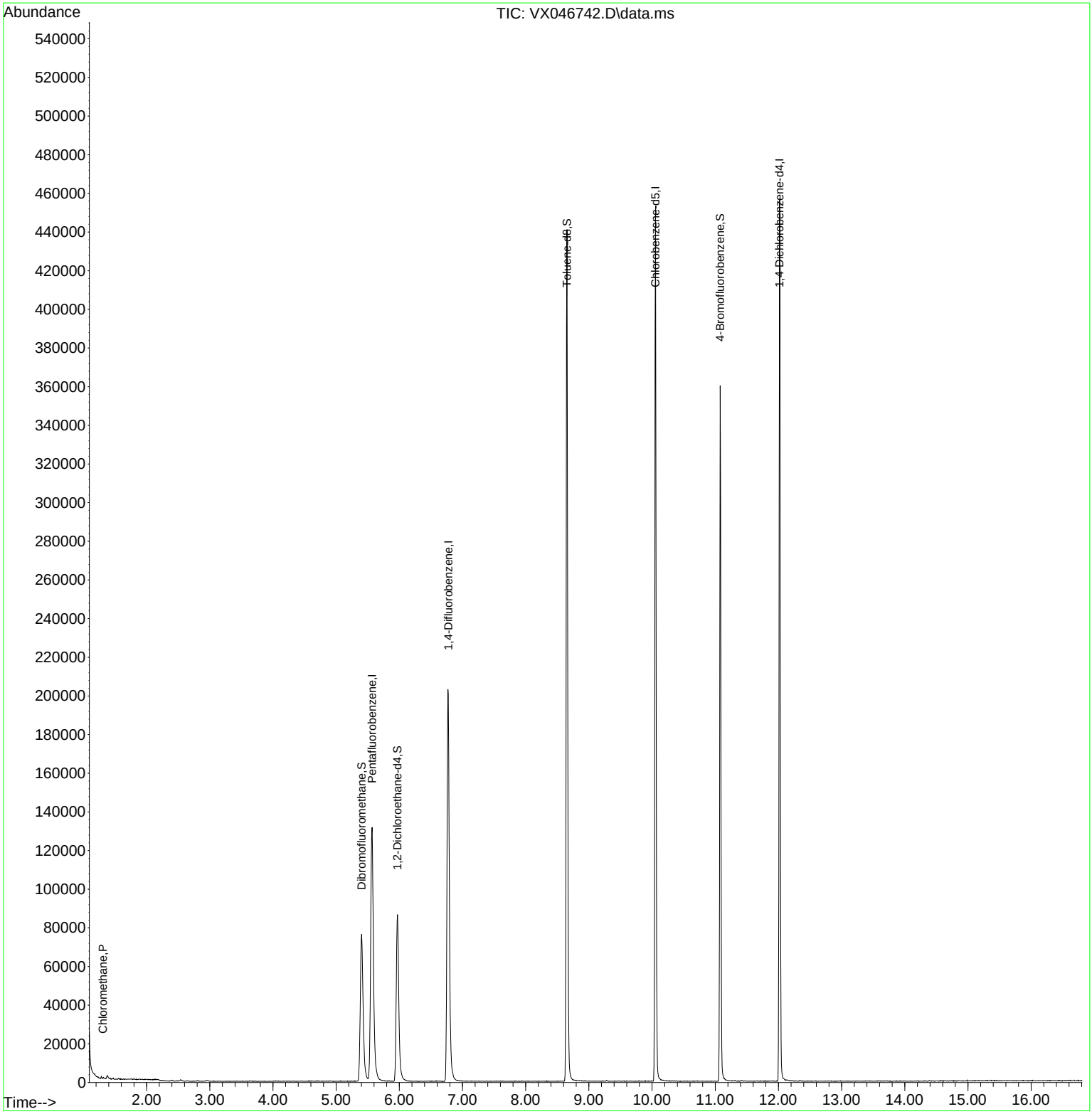
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 133892 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.775 | 114 | 222699 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 198876 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 94577 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 89336 | 48.238 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 96.480% | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 72980 | 49.530 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.060% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 264875 | 50.035 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.080% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96247 | 48.774 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.307 | 50 | 431 | 0.279 | ug/l | 97 |

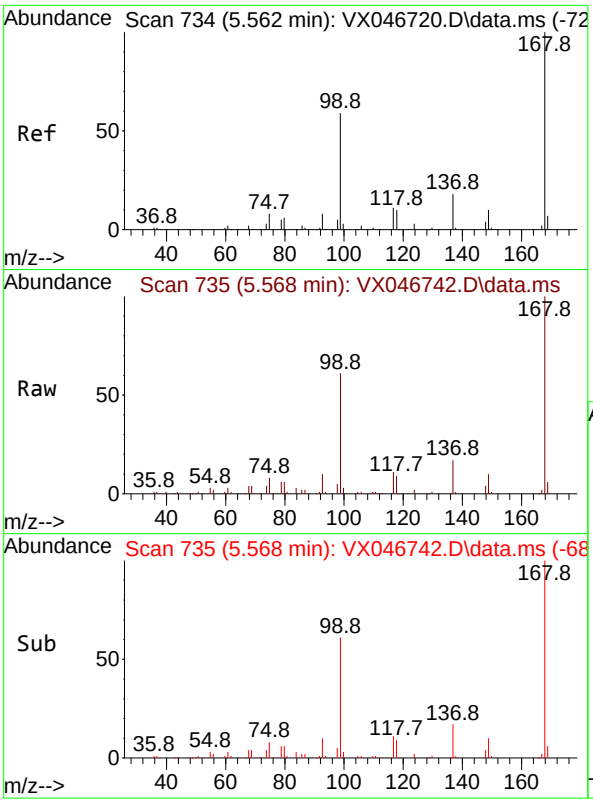
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046742.D
Acq On : 18 Jun 2025 15:03
Operator : JC/MD
Sample : Q2345-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Quant Time: Jun 19 01:25:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



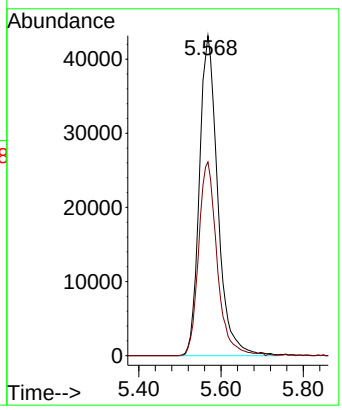


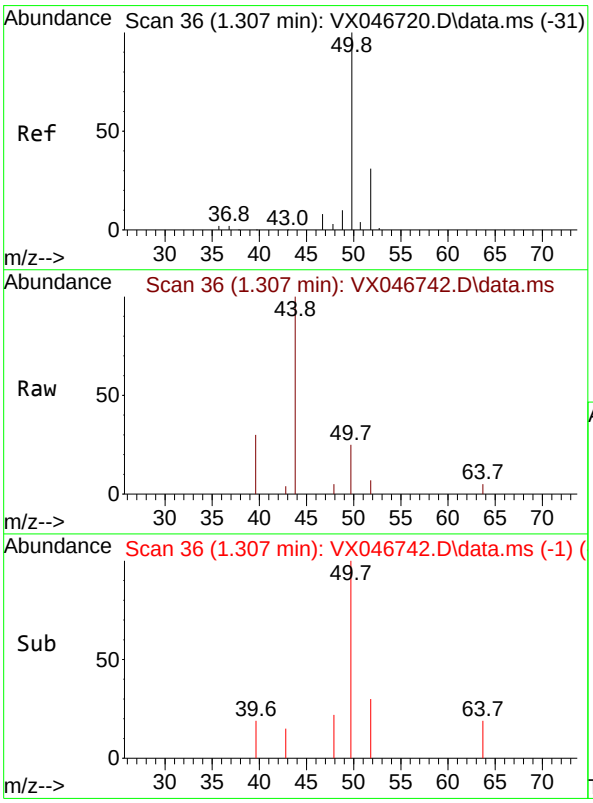

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Tgt Ion:168 Resp: 133892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.5 | 72.7 |

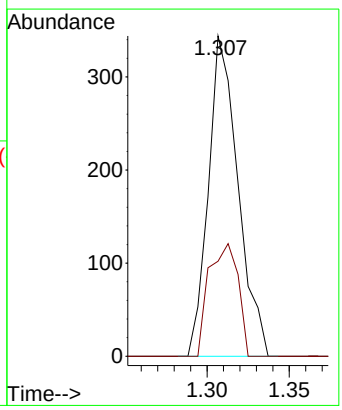


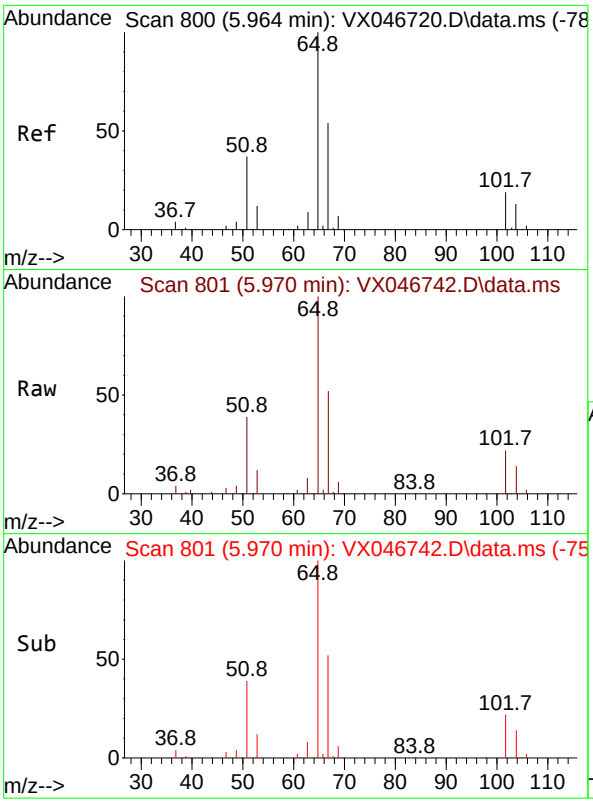




#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

Tgt Ion: 50 Resp: 431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.7 | 24.9 | 37.3 |



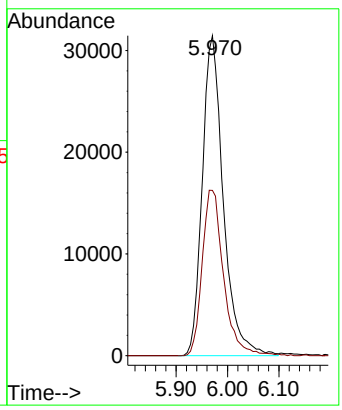


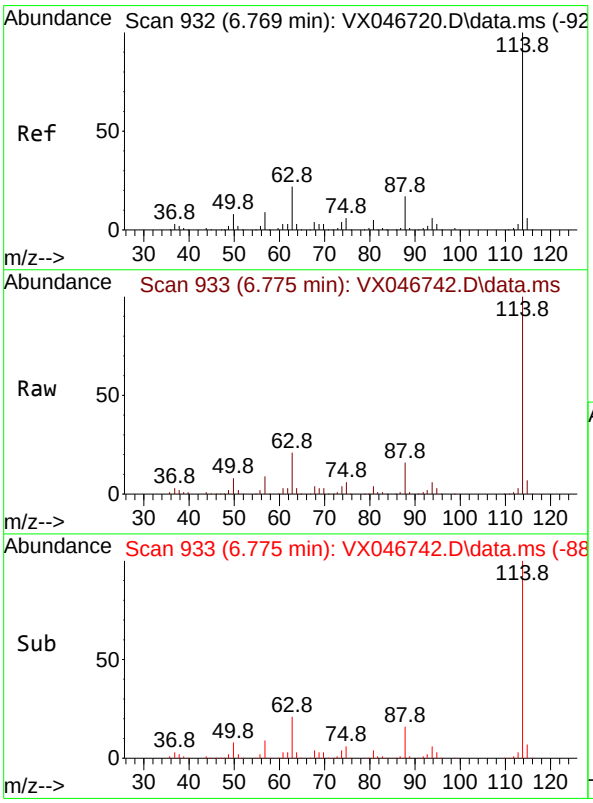

#33
1,2-Dichloroethane-d4
Concen: 48.238 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Tgt Ion: 65 Resp: 89336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 105.4 |

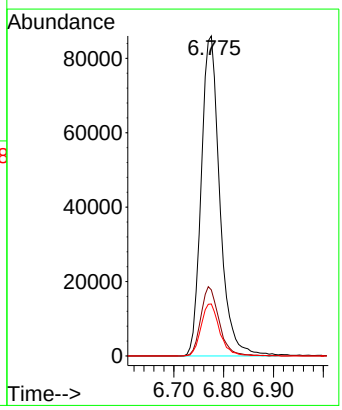


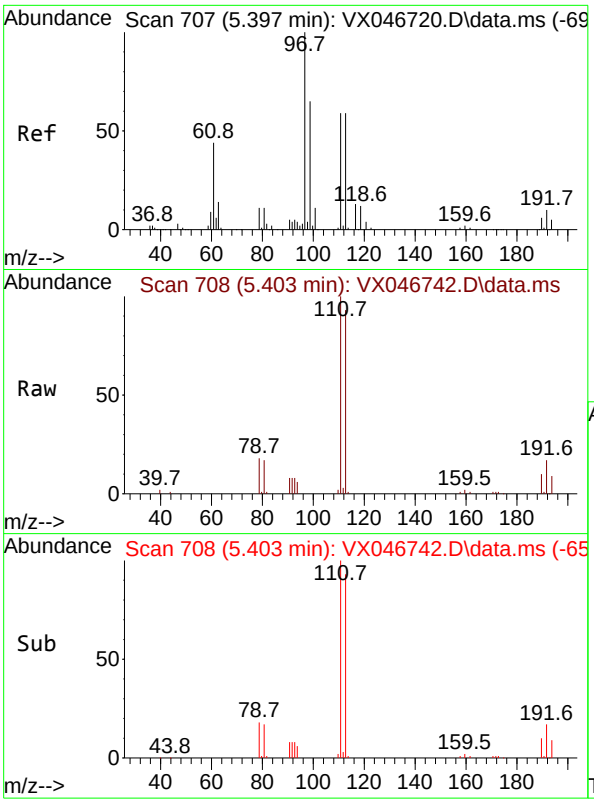




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

Tgt Ion:114 Resp: 222699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.2 |
| 88 | 16.3 | 0.0 | 33.2 |



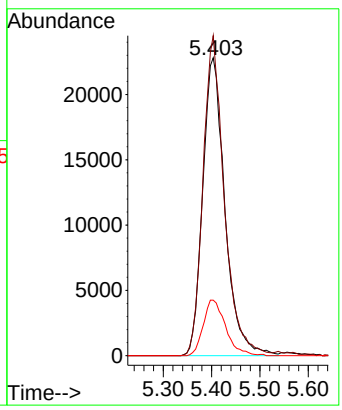


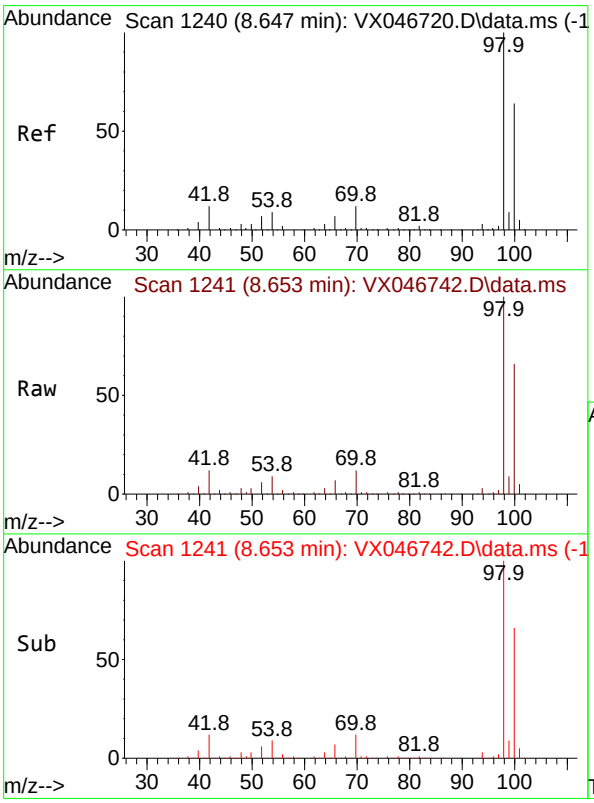

#35
Dibromofluoromethane
Concen: 49.530 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Tgt Ion:113 Resp: 72980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |

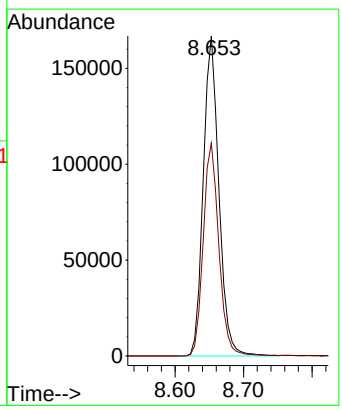


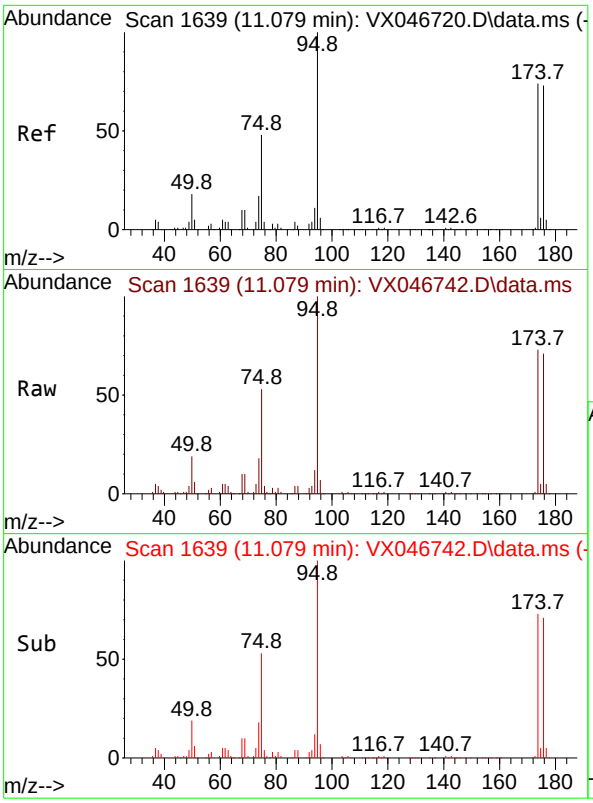




#50
Toluene-d8
Concen: 50.035 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

Tgt Ion: 98 Resp: 264875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.0 | 79.4 |



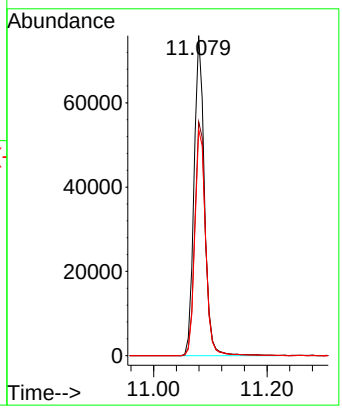


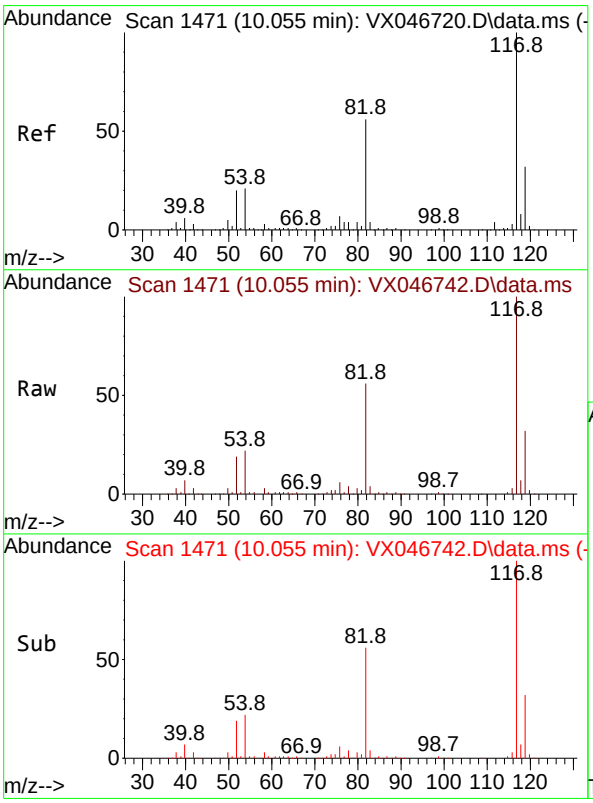

#62
4-Bromofluorobenzene
Concen: 48.774 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Tgt Ion: 95 Resp: 96247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.1 | 0.0 | 150.4 |
| 176 | 73.3 | 0.0 | 145.0 |

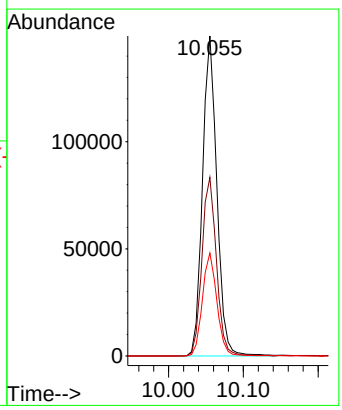


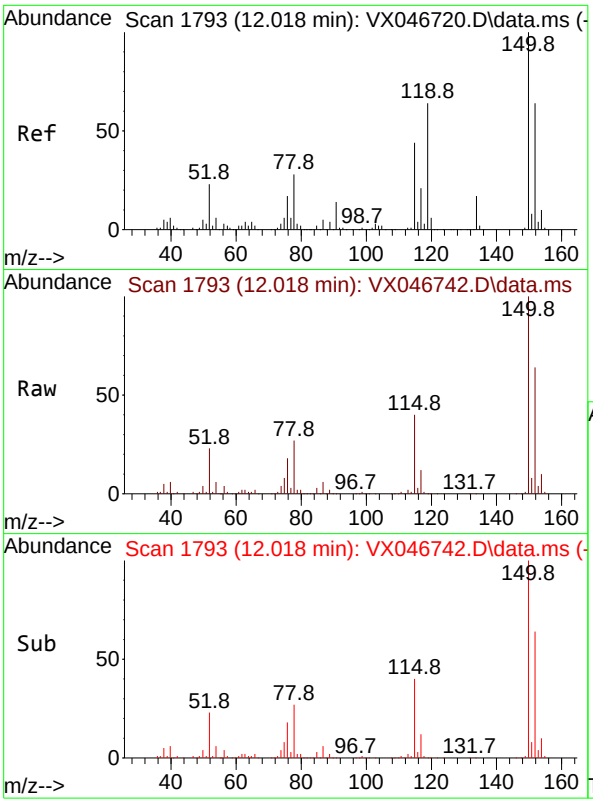




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

Tgt Ion:117 Resp: 198876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.8 | 44.6 | 66.8 |
| 119 | 32.2 | 25.8 | 38.8 |



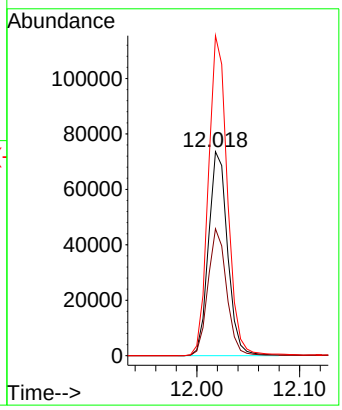



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046742.D
Acq: 18 Jun 2025 15:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20250616

Tgt Ion:152 Resp: 94577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.3 | 43.2 | 129.6 |
| 150 | 157.1 | 0.0 | 346.8 |



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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT189D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-13 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046743.D | 1 | | 06/18/25 15:24 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.42 | J | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 12.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.80 | J | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 1.70 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 58.6 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT189D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-13 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046743.D | 1 | | 06/18/25 15:24 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.34 | J | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.2 | | 81 - 118 | | 94% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.0 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.8 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.4 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 218000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 358000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 312000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 149000 | 12.018 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | AECOM Technical Services, Inc. | Date Collected: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT189D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-13 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046743.D | 1 | | 06/18/25 15:24 | VX061825 |

| 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\VX061825\
Data File : VX046743.D
Acq On : 18 Jun 2025 15:24
Operator : JC/MD
Sample : Q2345-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Quant Time: Jun 19 01:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

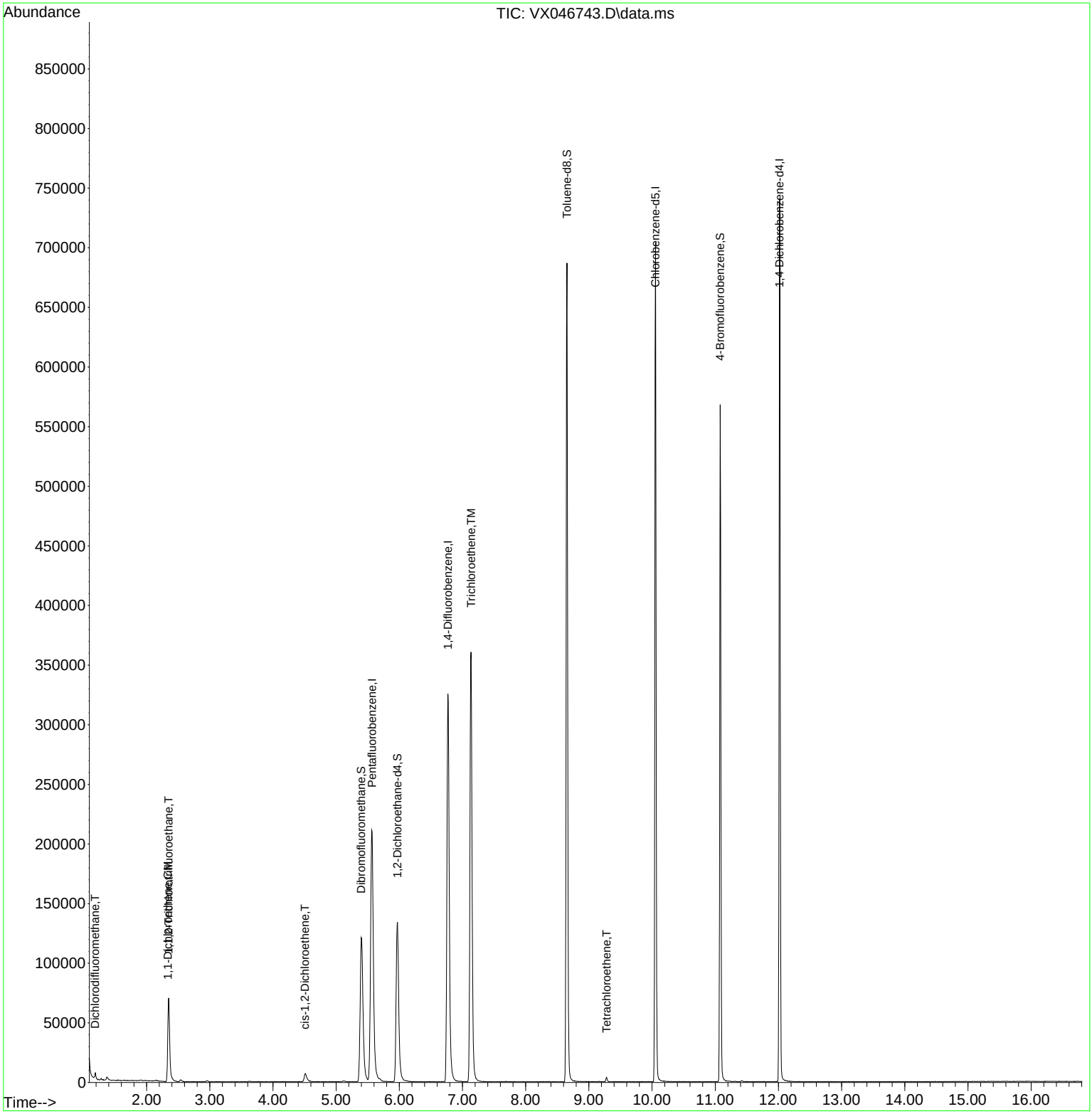
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 217878 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 358276 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 311829 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 149381 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 142368 | 47.241 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 94.480% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 116087 | 48.972 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.940% | | |
| 50) Toluene-d8 | 8.653 | 98 | 415275 | 48.761 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 97.520% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 153648 | 48.398 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.800% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 968 | 0.416 | ug/l | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 30874 | 12.379 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 1932 | 0.803 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 5156 | 1.704 | ug/l | 91 |
| 44) Trichloroethene | 7.135 | 130 | 151205 | 58.588 | ug/l | 99 |
| 64) Tetrachloroethene | 9.281 | 164 | 724 | 0.335 | ug/l | 86 |

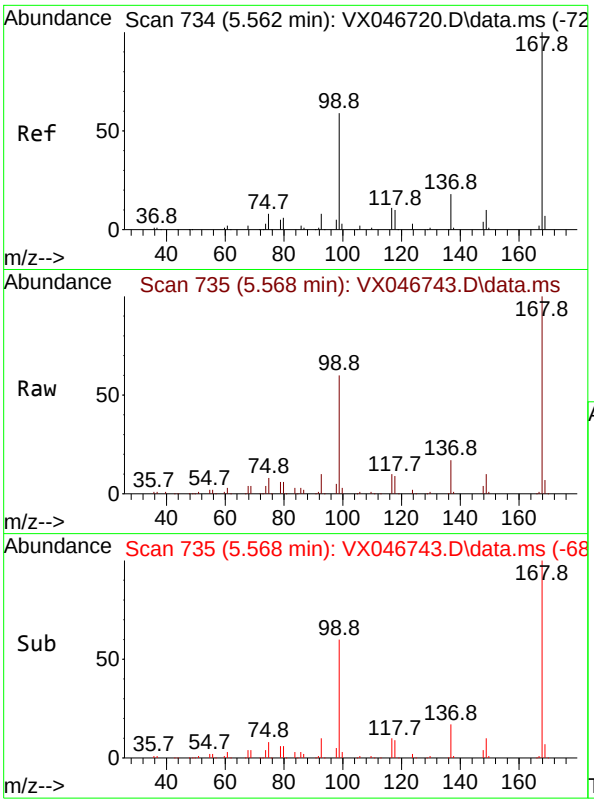
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046743.D
Acq On : 18 Jun 2025 15:24
Operator : JC/MD
Sample : Q2345-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Quant Time: Jun 19 01:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



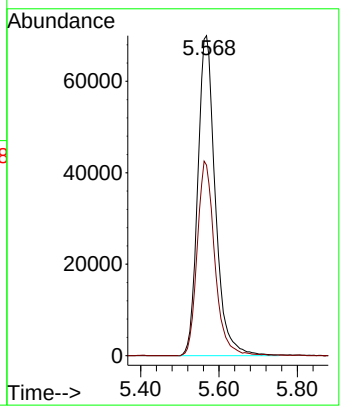


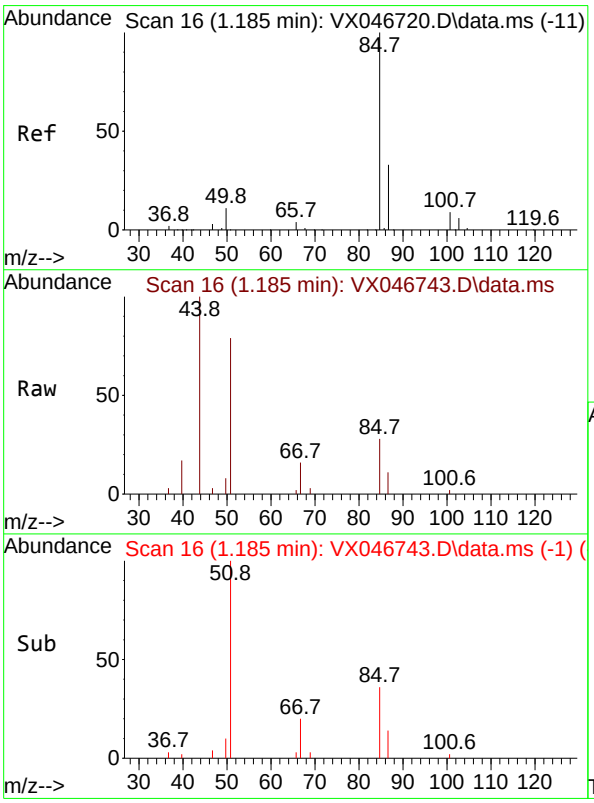

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion:168 Resp: 217878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 48.5 | 72.7 |

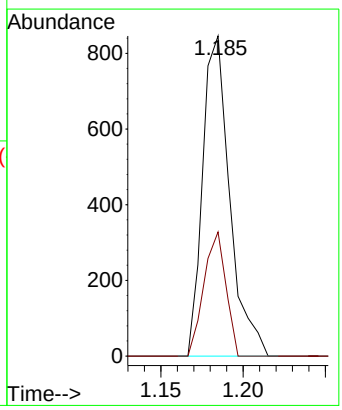


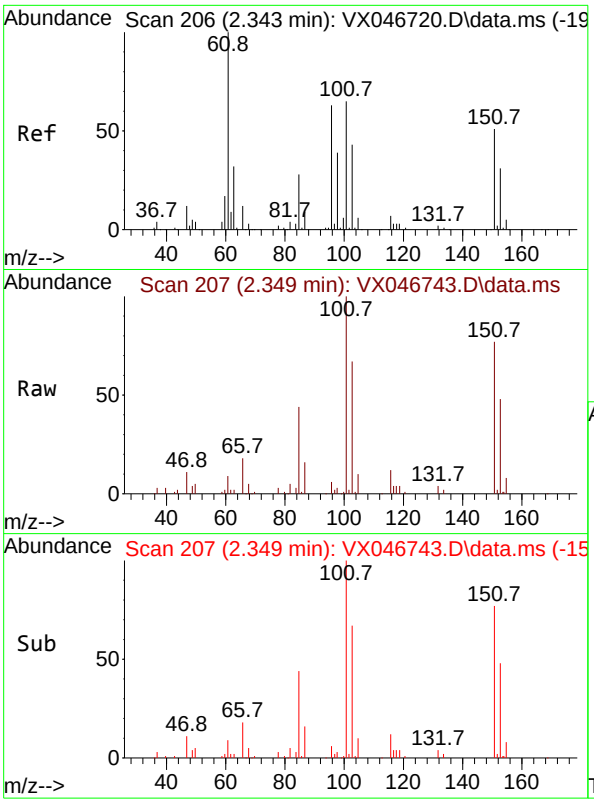




#2
Dichlorodifluoromethane
Concen: 0.416 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 85 Resp: 968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 38.8 | 16.6 | 49.8 |



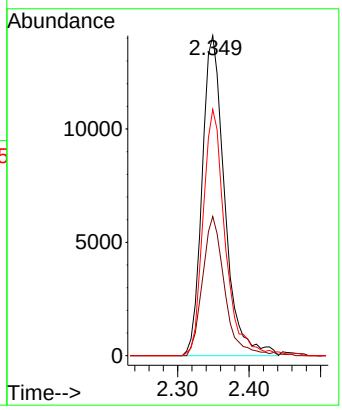


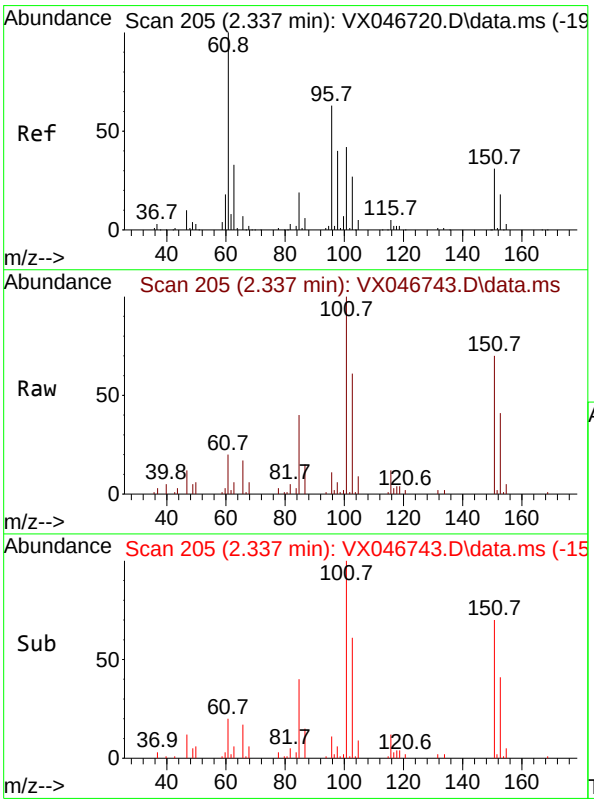

#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.379 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion:101 Resp: 30874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.9 | 35.4 | 53.0 |
| 151 | 76.0 | 61.2 | 91.8 |

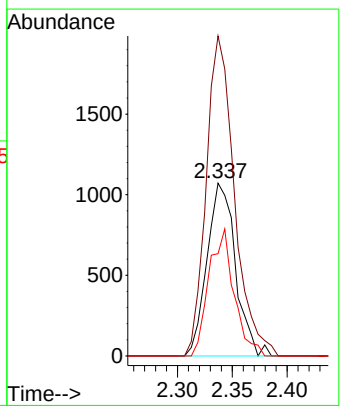


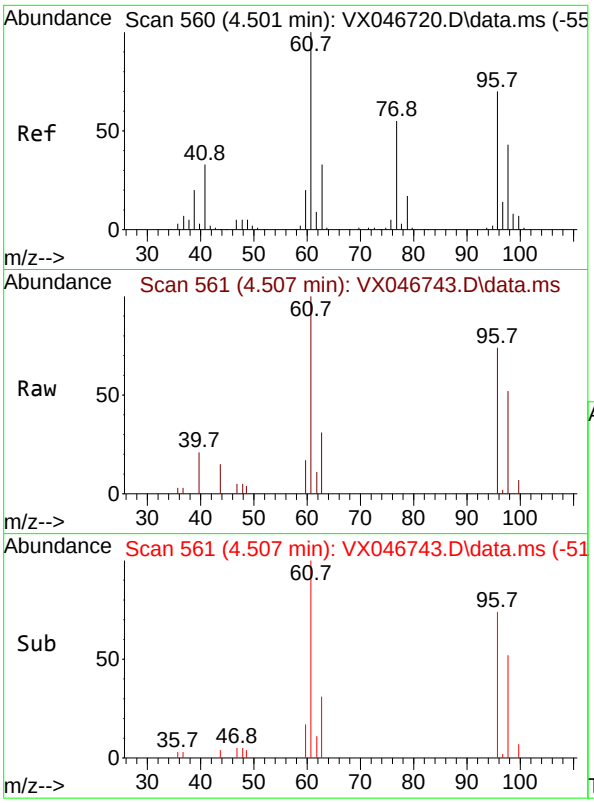




#12
1,1-Dichloroethene
Concen: 0.803 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 96 Resp: 1932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.7 | 126.6 | 189.8 |
| 98 | 55.3 | 50.7 | 76.1 |



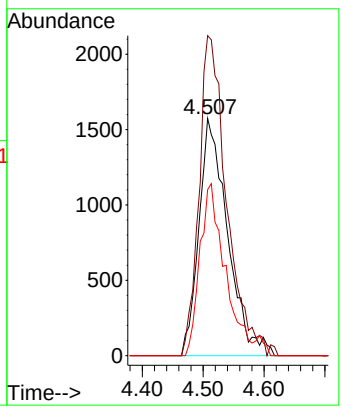


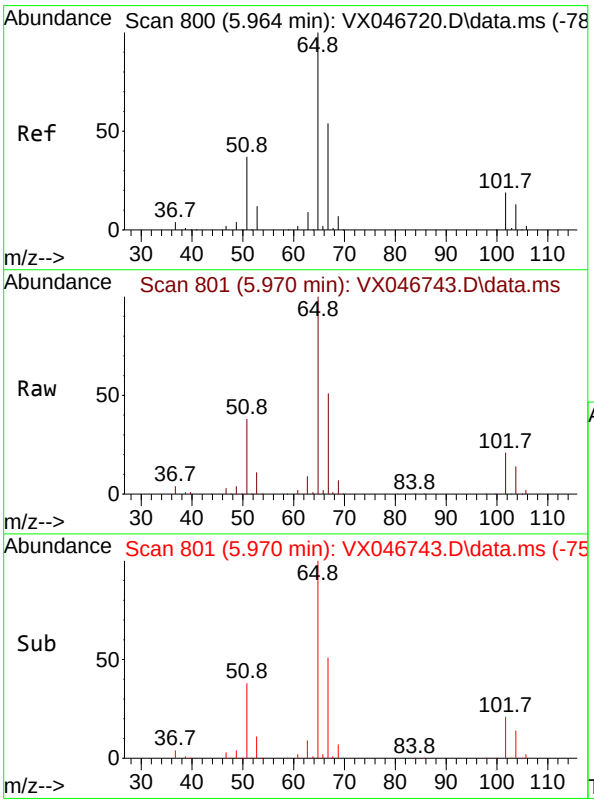

#27
cis-1,2-Dichloroethene
Concen: 1.704 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion: 96 Resp: 5156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.0 | 0.0 | 291.0 |
| 98 | 63.2 | 0.0 | 126.8 |

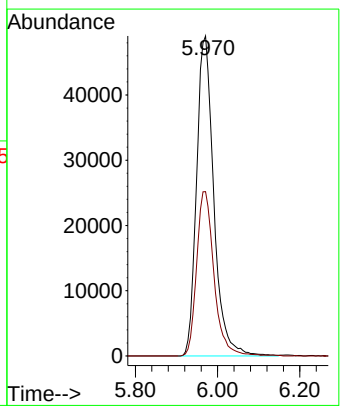


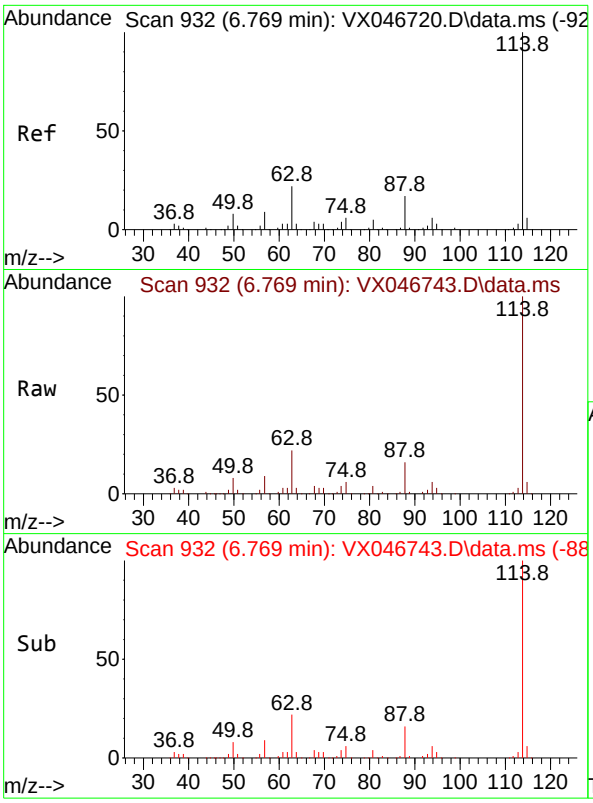




#33
1,2-Dichloroethane-d4
Concen: 47.241 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 65 Resp: 142368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 105.4 |



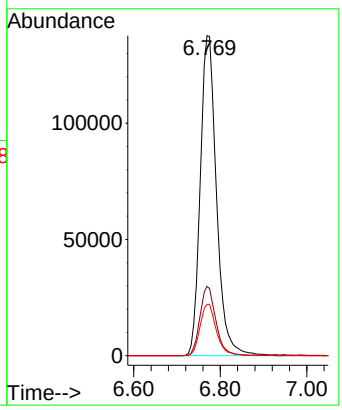


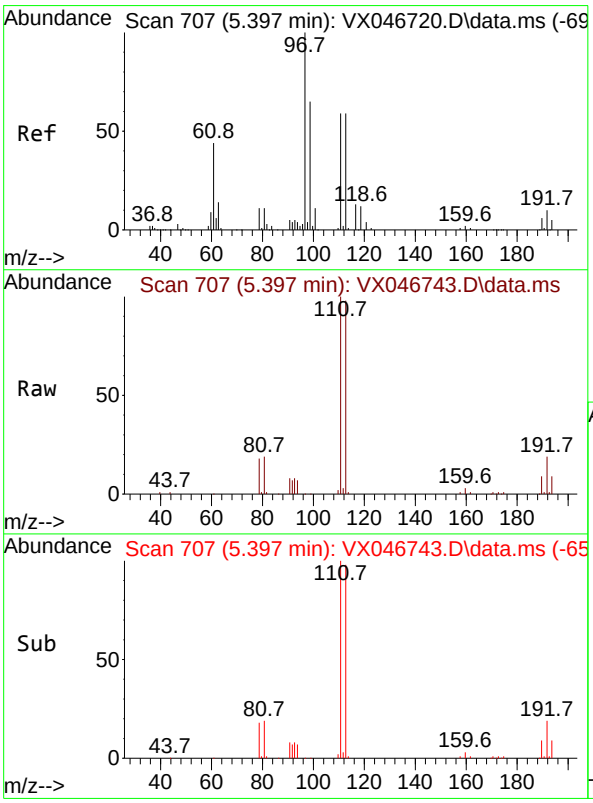

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion:114 Resp: 358276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

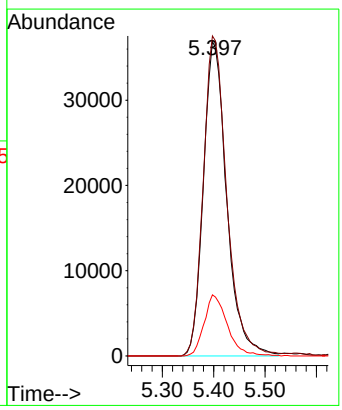


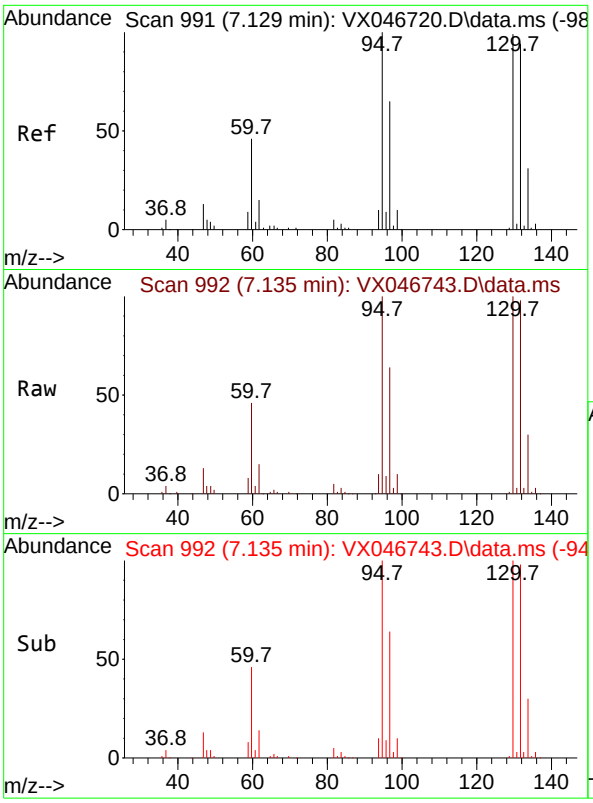




#35
Dibromofluoromethane
Concen: 48.972 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:113 Resp: 116087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.0 | 123.0 |
| 192 | 19.3 | 15.3 | 22.9 |



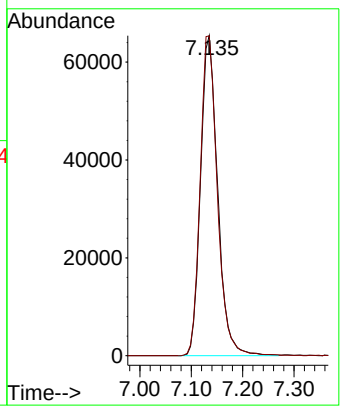


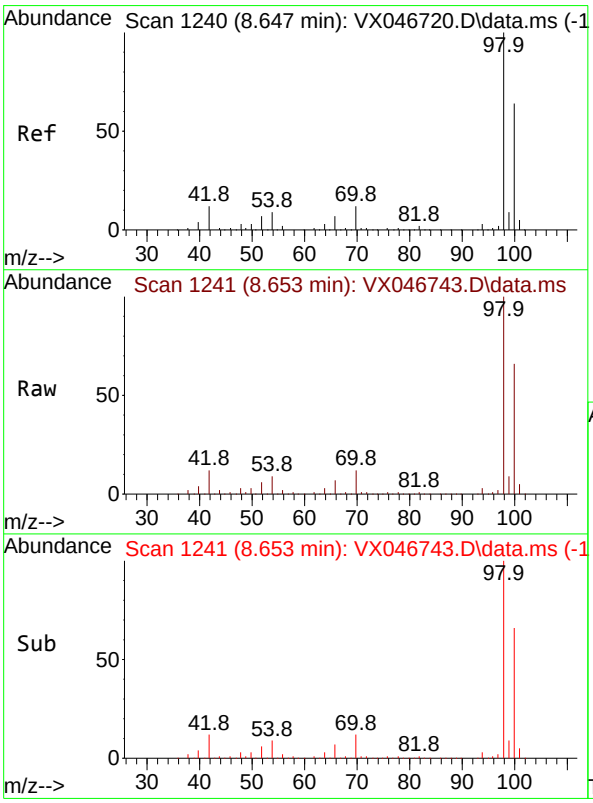

#44
Trichloroethene
Concen: 58.588 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion:130 Resp: 151205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.9 | 0.0 | 202.6 |

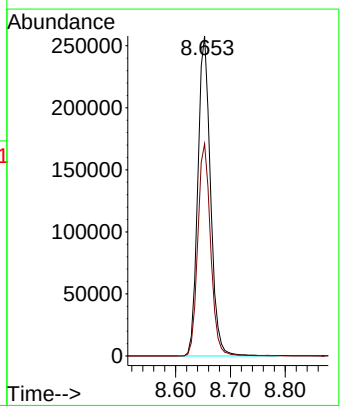


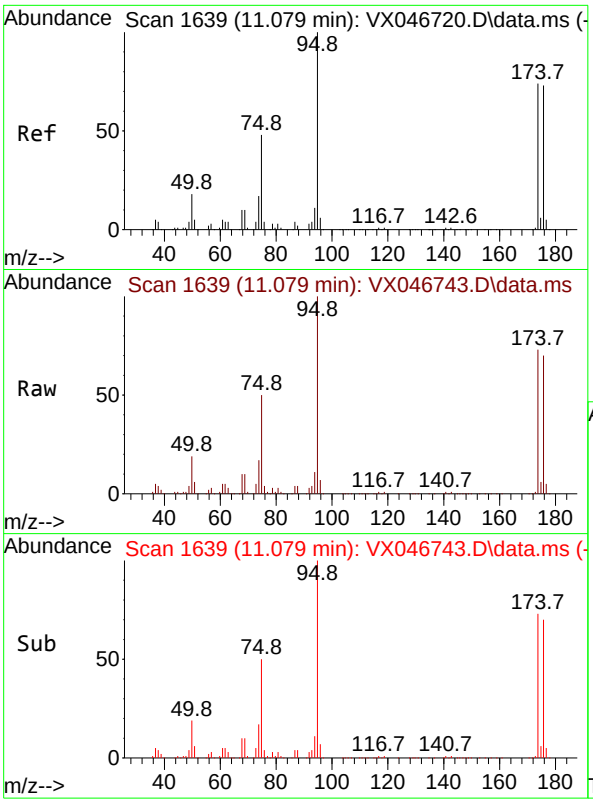




#50
Toluene-d8
Concen: 48.761 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 98 Resp: 415275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.0 | 53.0 | 79.4 |



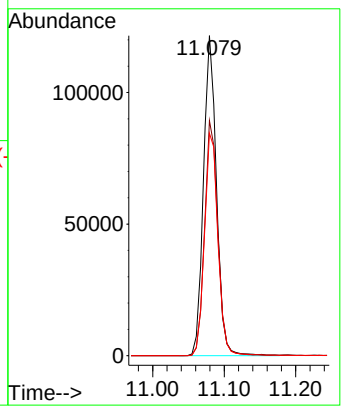


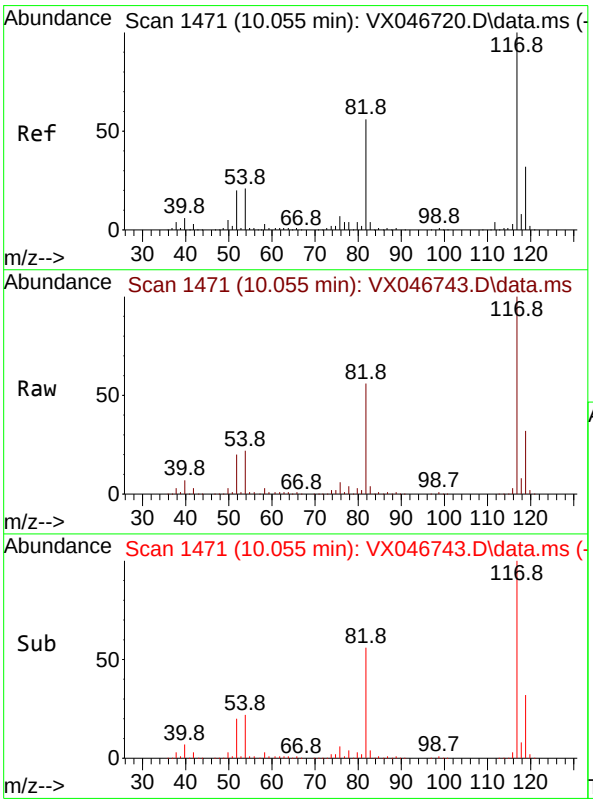

#62
4-Bromofluorobenzene
Concen: 48.398 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion: 95 Resp: 153648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.8 | 0.0 | 150.4 |
| 176 | 72.1 | 0.0 | 145.0 |

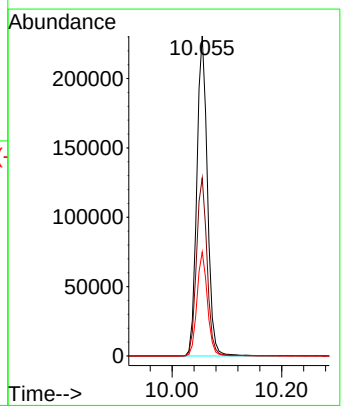


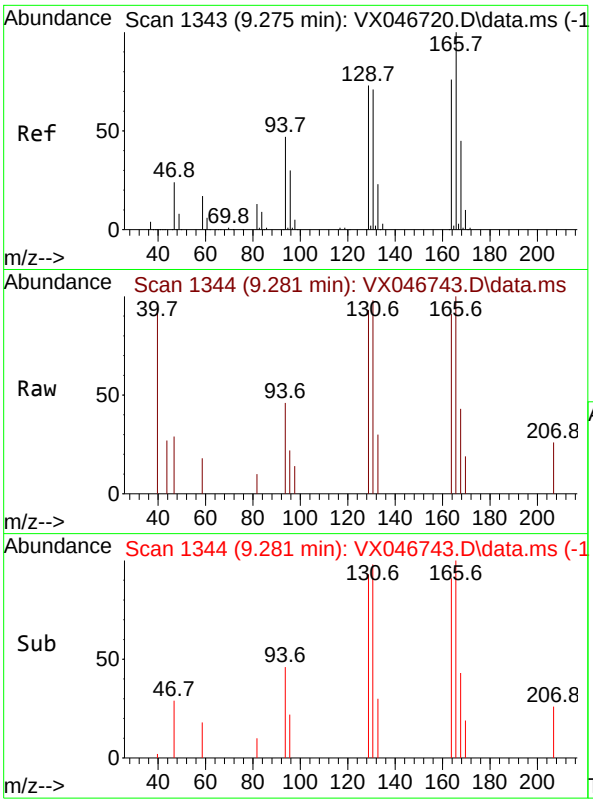




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:117 Resp: 311829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 44.6 | 66.8 |
| 119 | 32.5 | 25.8 | 38.8 |



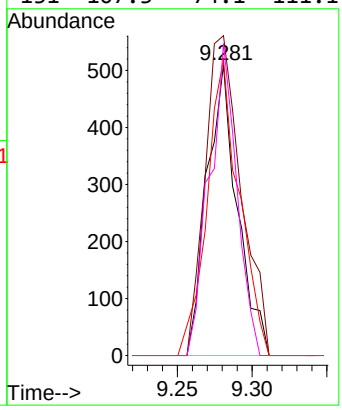


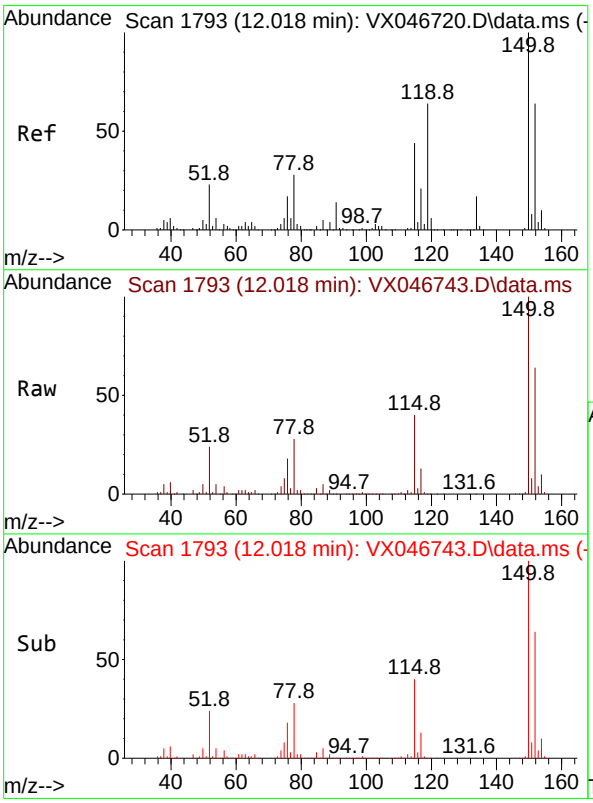

#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.281 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT189D2-20250617

Tgt Ion:164 Resp: 724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 110.0 | 104.6 | 157.0 |
| 129 | 101.8 | 76.3 | 114.5 |
| 131 | 107.3 | 74.1 | 111.1 |

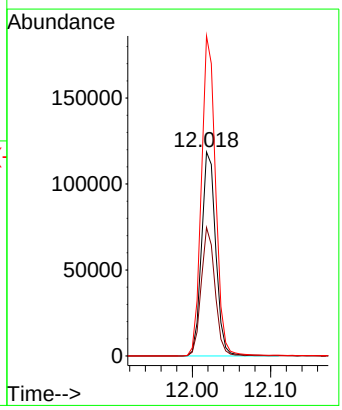



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046743.D
Acq: 18 Jun 2025 15:24

Tgt Ion:152 Resp: 149381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.5 | 43.2 | 129.6 |
| 150 | 156.2 | 0.0 | 346.8 |



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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT150S1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-14 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046744.D | 1 | | 06/18/25 15:46 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 11.1 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT150S1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-14 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046744.D | 1 | | 06/18/25 15:46 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.30 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.5 | | 81 - 118 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | 80 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.3 | | 85 - 114 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 129000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 214000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 193000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 94000 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT150S1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-14 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046744.D | 1 | | 06/18/25 15:46 | VX061825 |

| 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\VX061825\
Data File : VX046744.D
Acq On : 18 Jun 2025 15:46
Operator : JC/MD
Sample : Q2345-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Quant Time: Jun 19 01:26:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

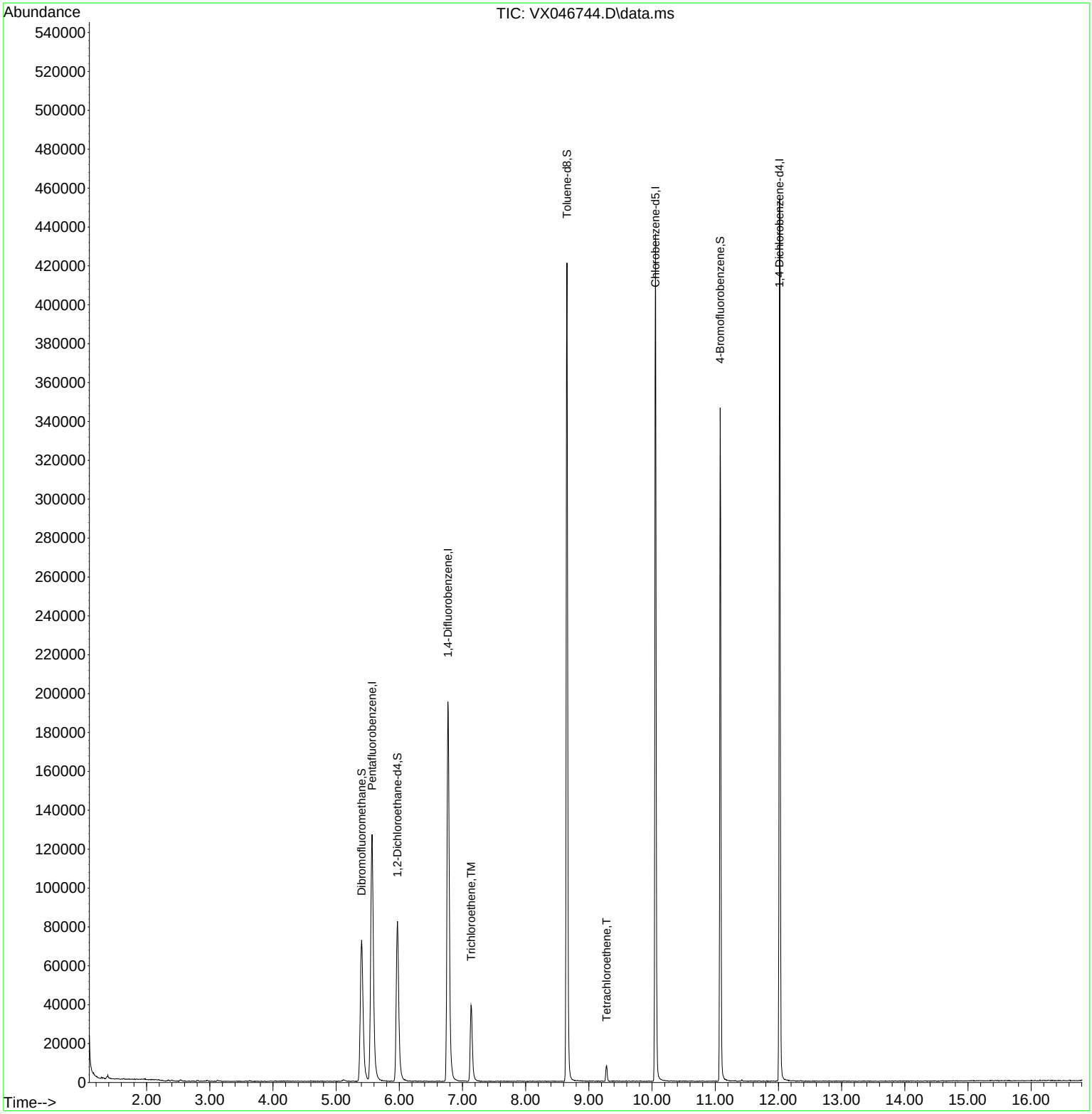
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 128949 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 213744 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 192588 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93953 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 86474 | 48.483 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 96.960% | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 69660 | 49.258 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.520% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 252891 | 49.773 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.540% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 95267 | 50.300 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 44) Trichloroethene | 7.135 | 130 | 17127 | 11.124 | ug/l | 94 |
| 64) Tetrachloroethene | 9.281 | 164 | 1771 | 1.327 | ug/l | 95 |

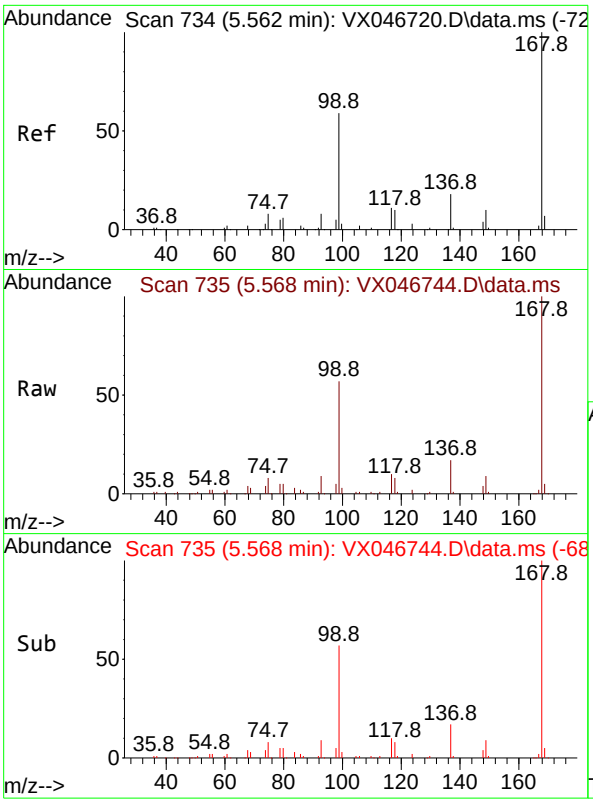
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046744.D
Acq On : 18 Jun 2025 15:46
Operator : JC/MD
Sample : Q2345-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Quant Time: Jun 19 01:26:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



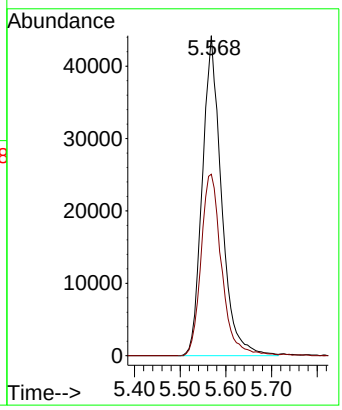


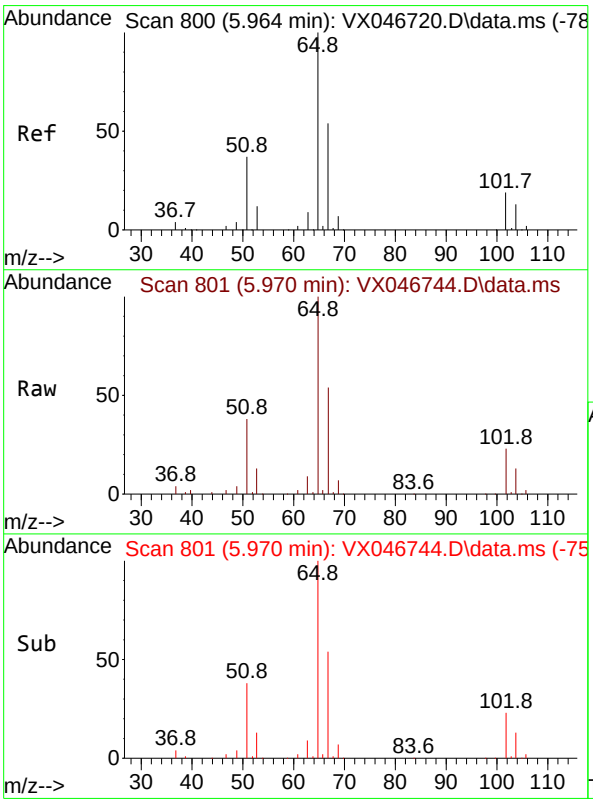

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Tgt Ion:168 Resp: 128949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 48.5 | 72.7 |

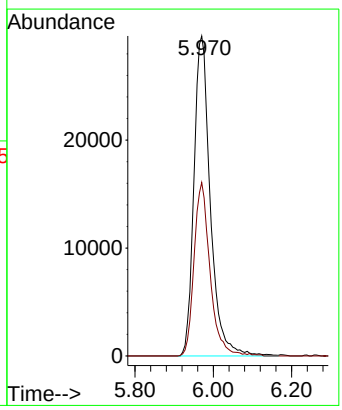


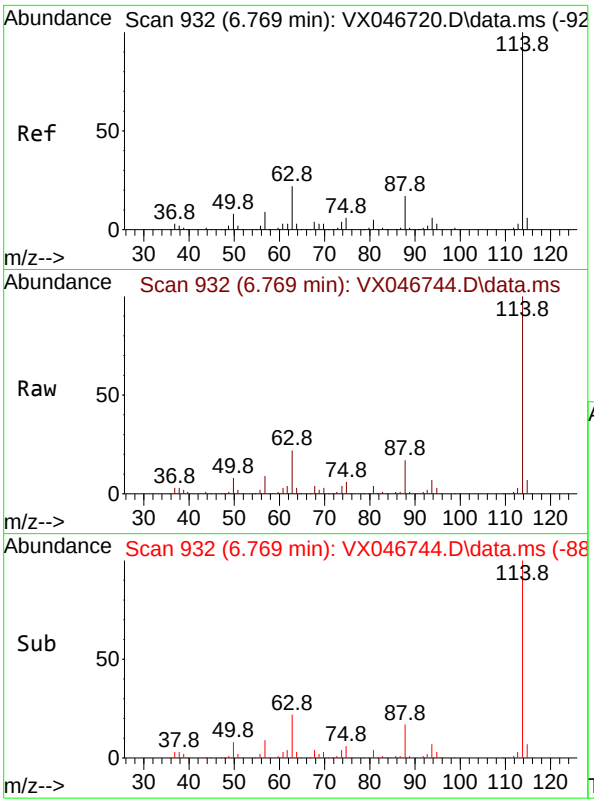




#33
1,2-Dichloroethane-d4
Concen: 48.483 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 65 Resp: 86474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 105.4 |



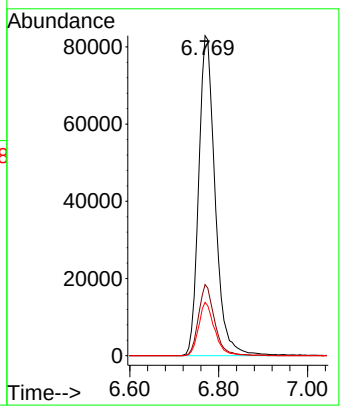


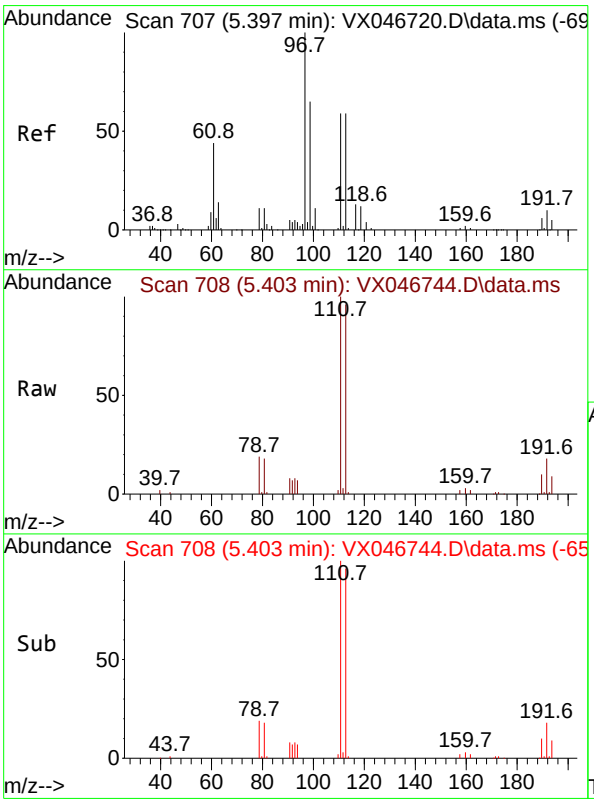

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Tgt Ion:114 Resp: 213744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |

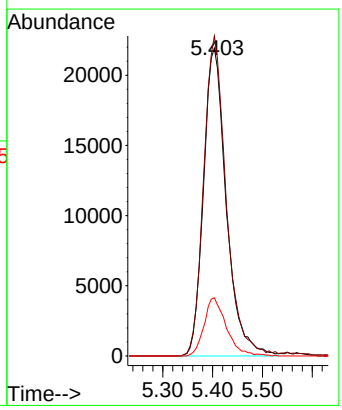


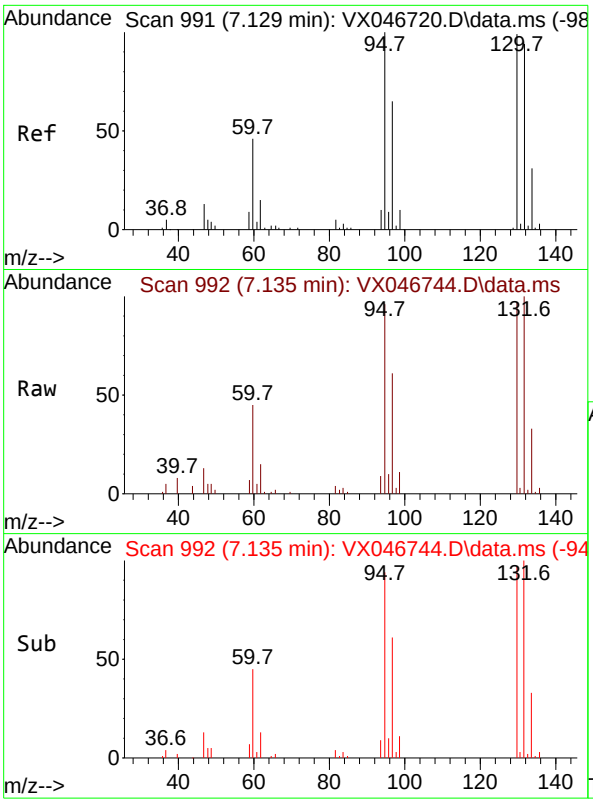




#35
Dibromofluoromethane
Concen: 49.258 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion:113 Resp: 69660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.0 | 123.0 |
| 192 | 18.5 | 15.3 | 22.9 |



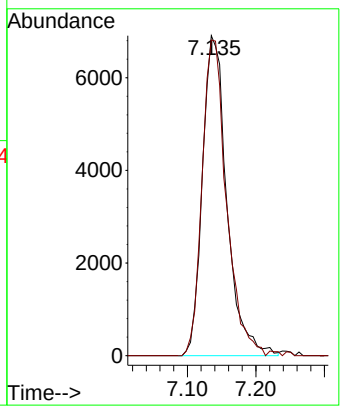


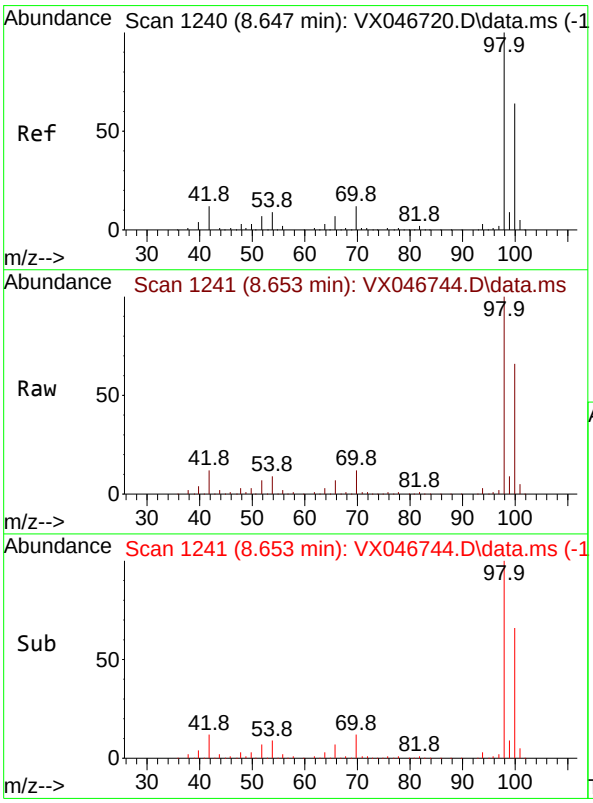

#44
Trichloroethene
Concen: 11.124 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Tgt Ion:130 Resp: 17127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.5 | 0.0 | 202.6 |

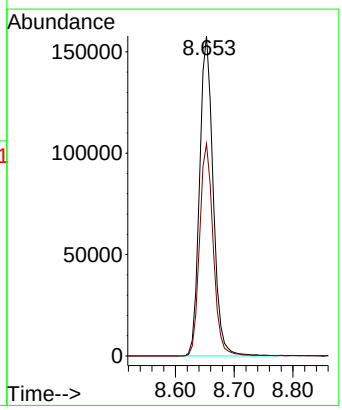


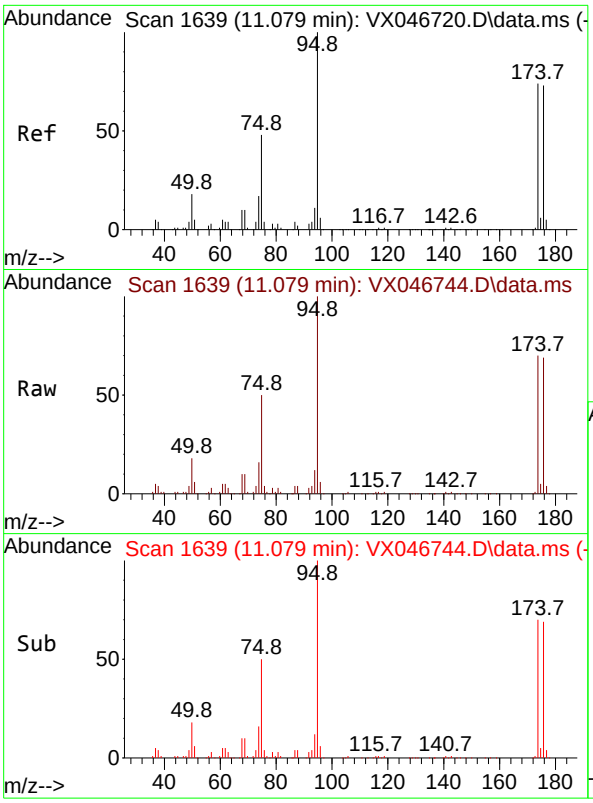




#50
Toluene-d8
Concen: 49.773 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 98 Resp: 252891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.0 | 79.4 |



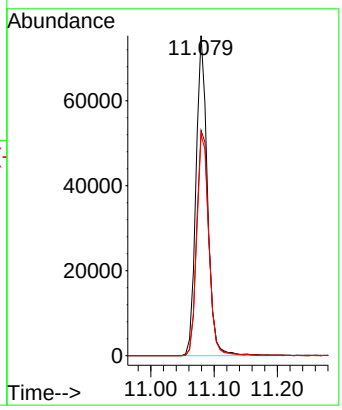


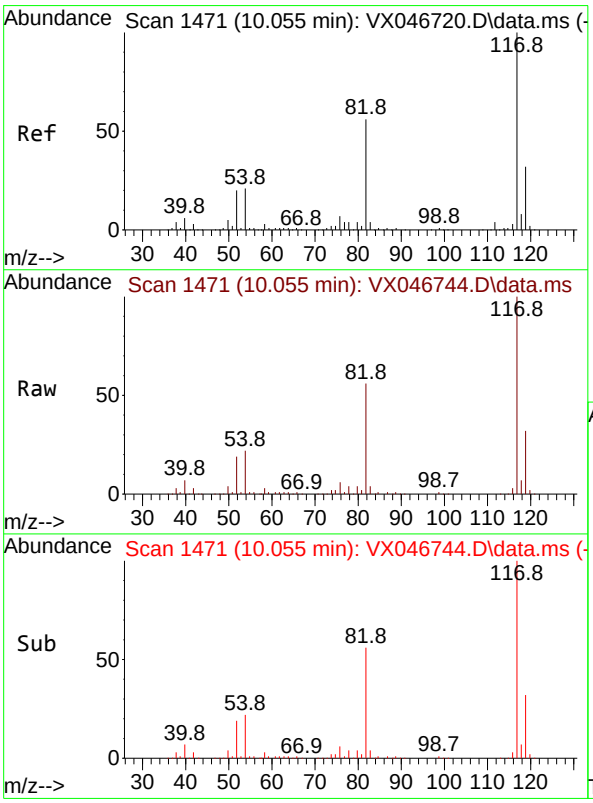

#62
4-Bromofluorobenzene
Concen: 50.300 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Tgt Ion: 95 Resp: 95267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.9 | 0.0 | 150.4 |
| 176 | 72.8 | 0.0 | 145.0 |

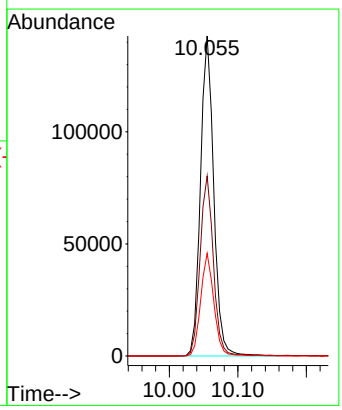


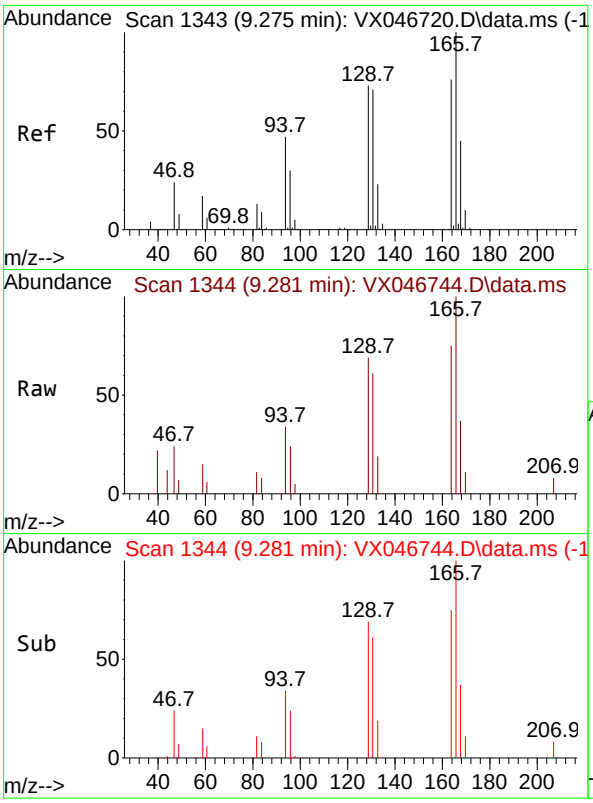




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion:117 Resp: 192588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |



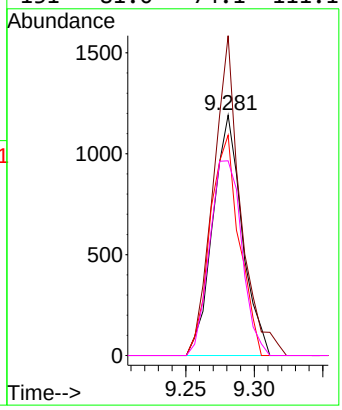


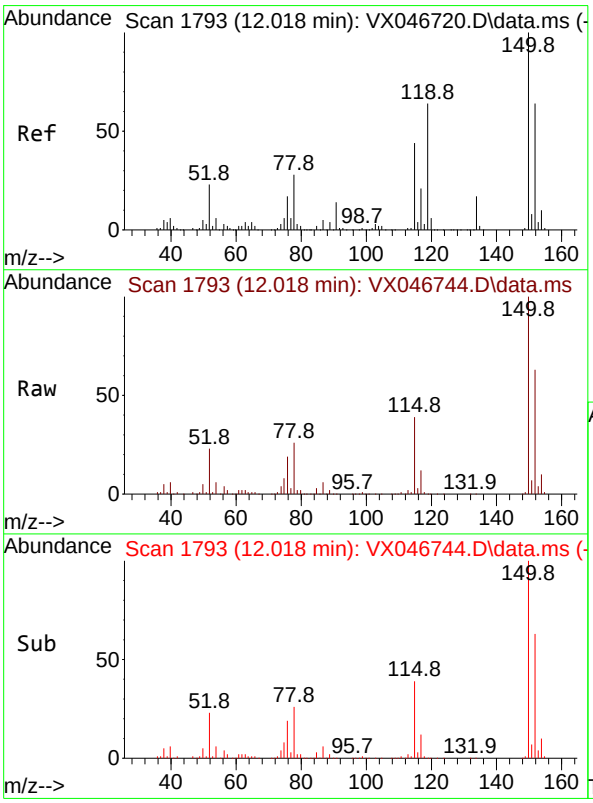

#64
Tetrachloroethene
Concen: 1.327 ug/l
RT: 9.281 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT150S1-20250617

Tgt Ion:164 Resp: 1771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.1 | 104.6 | 157.0 |
| 129 | 91.7 | 76.3 | 114.5 |
| 131 | 81.0 | 74.1 | 111.1 |

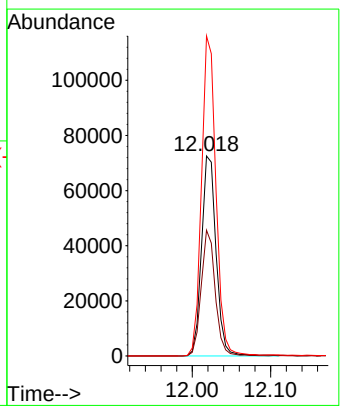



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046744.D
Acq: 18 Jun 2025 15:46

Tgt Ion:152 Resp: 93953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 43.2 | 129.6 |
| 150 | 158.0 | 0.0 | 346.8 |



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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | RW8-MW01D1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-15 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046745.D | 1 | | 06/18/25 16:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | RW8-MW01D1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-15 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046745.D | 1 | | 06/18/25 16:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.9 | | 81 - 118 | | 92% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.4 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 226000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 368000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 322000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 154000 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | RW8-MW01D1-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-15 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046745.D | 1 | | 06/18/25 16:07 | VX061825 |

| 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\VX061825\
Data File : VX046745.D
Acq On : 18 Jun 2025 16:07
Operator : JC/MD
Sample : Q2345-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Quant Time: Jun 19 01:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 226176 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 367631 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 322256 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 153646 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 143488 | 45.866 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.740% | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 119388 | 49.083 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.160% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 430858 | 49.303 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.600% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 157725 | 48.418 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.840% | | | |

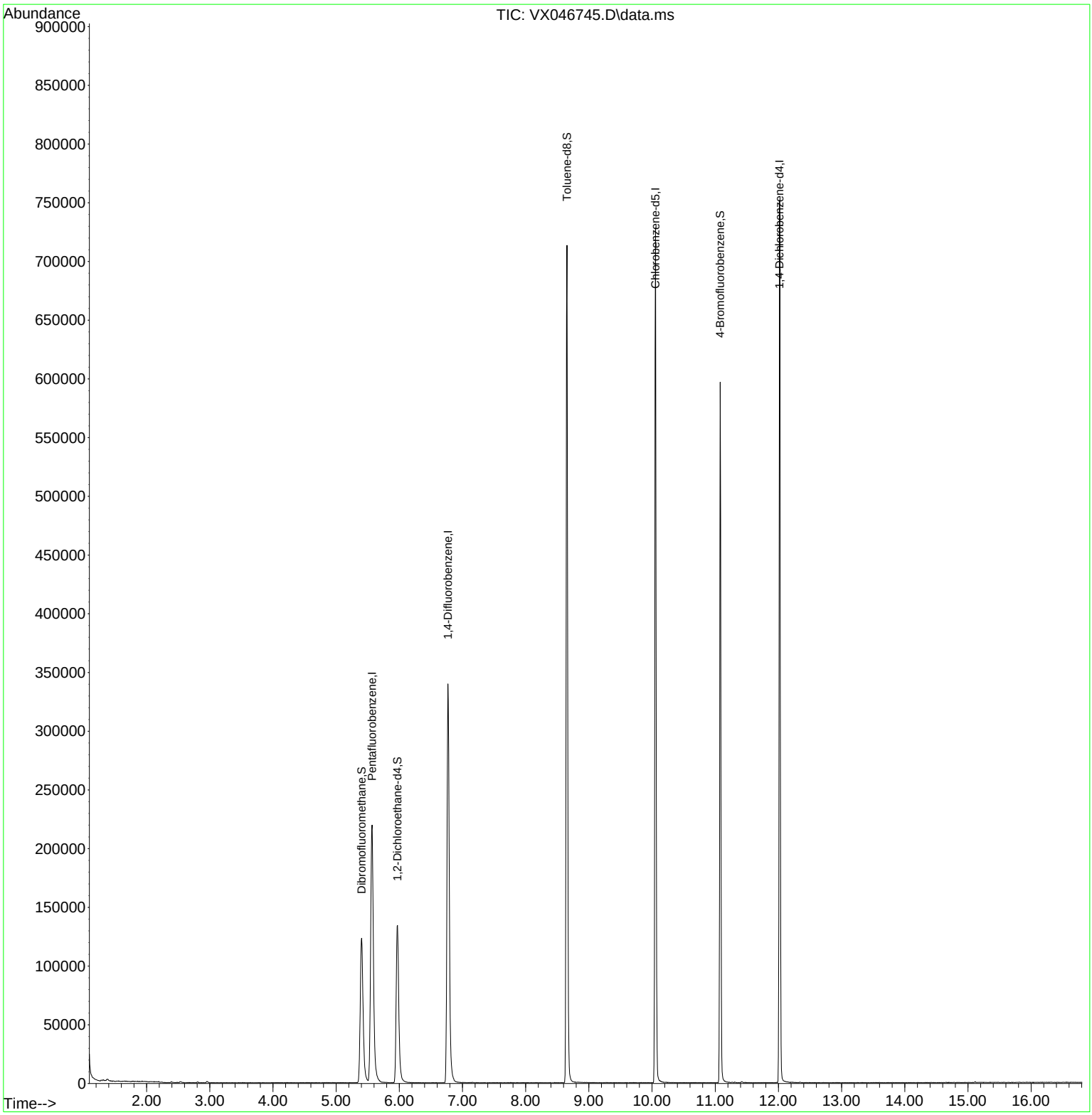
Target Compounds Qvalue

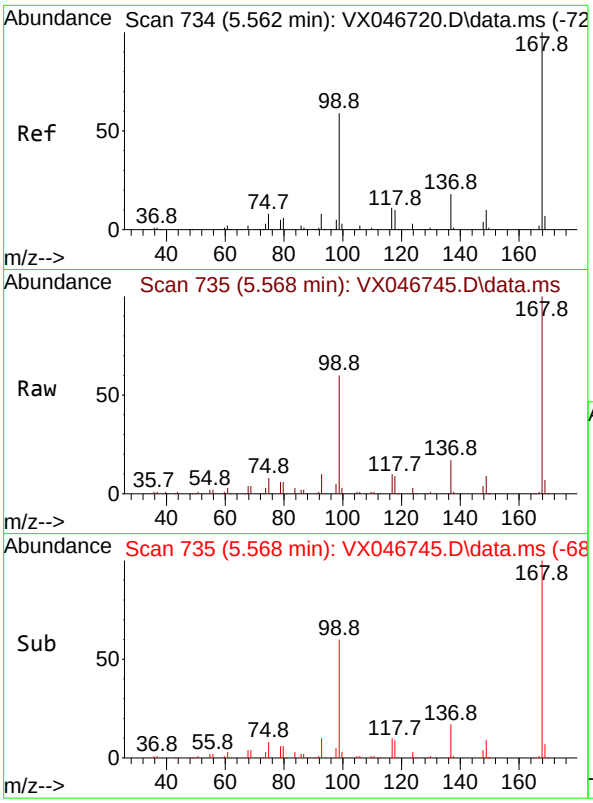
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046745.D
Acq On : 18 Jun 2025 16:07
Operator : JC/MD
Sample : Q2345-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Quant Time: Jun 19 01:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



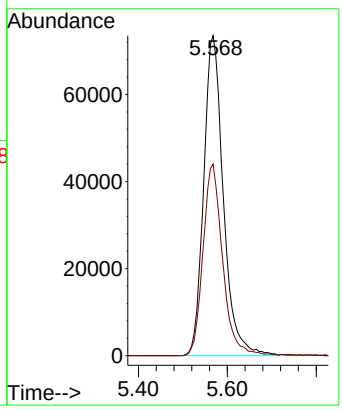


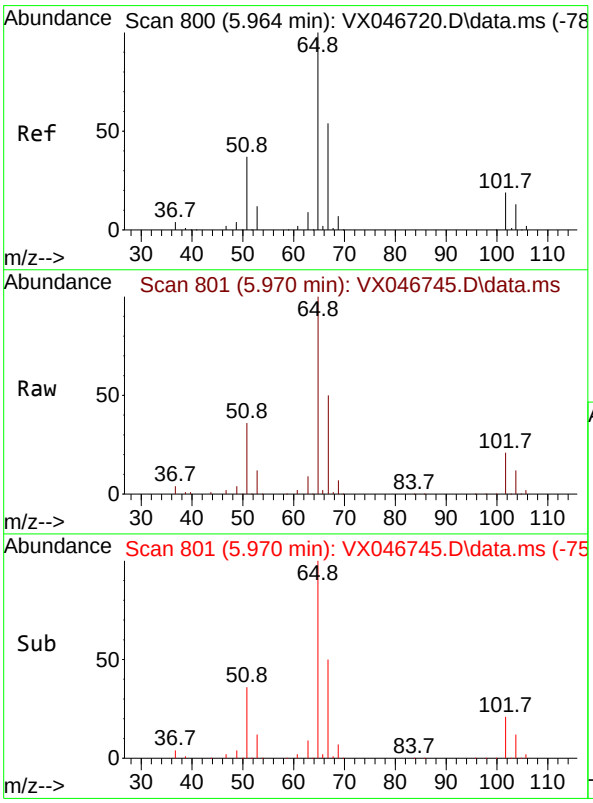

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Tgt Ion:168 Resp: 226176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 48.5 | 72.7 |

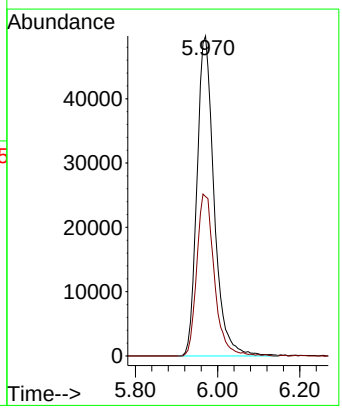


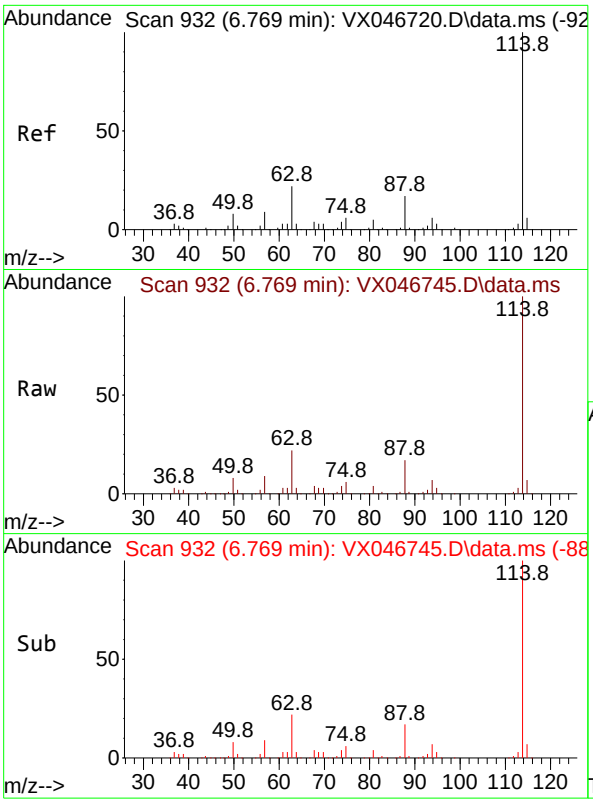




#33
1,2-Dichloroethane-d4
Concen: 45.866 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

Tgt Ion: 65 Resp: 143488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |



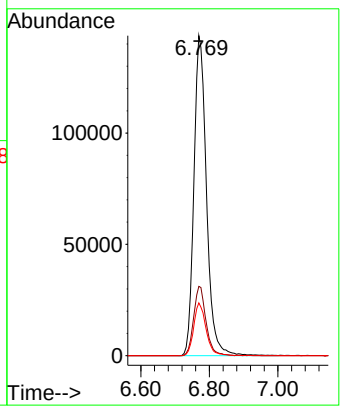


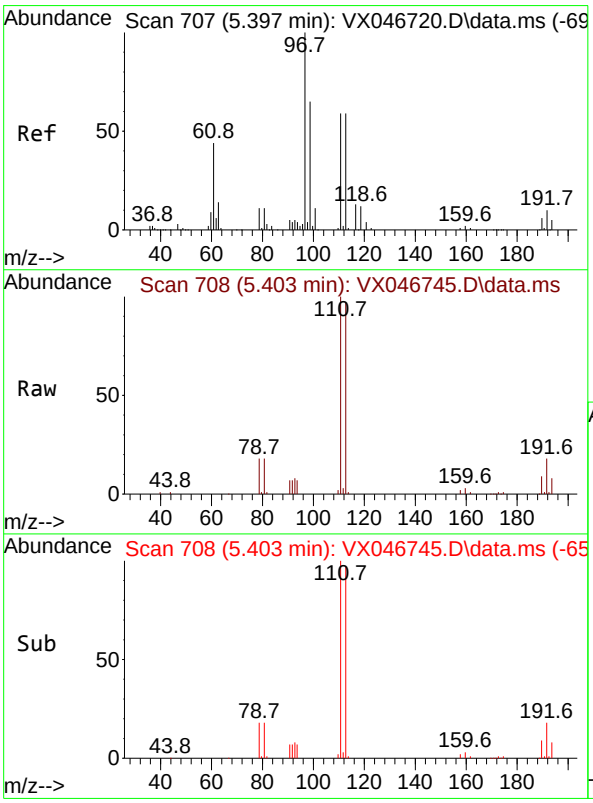

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Tgt Ion:114 Resp: 367631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 44.2 |
| 88 | 16.5 | 0.0 | 33.2 |

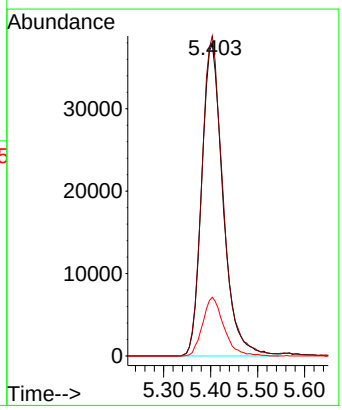


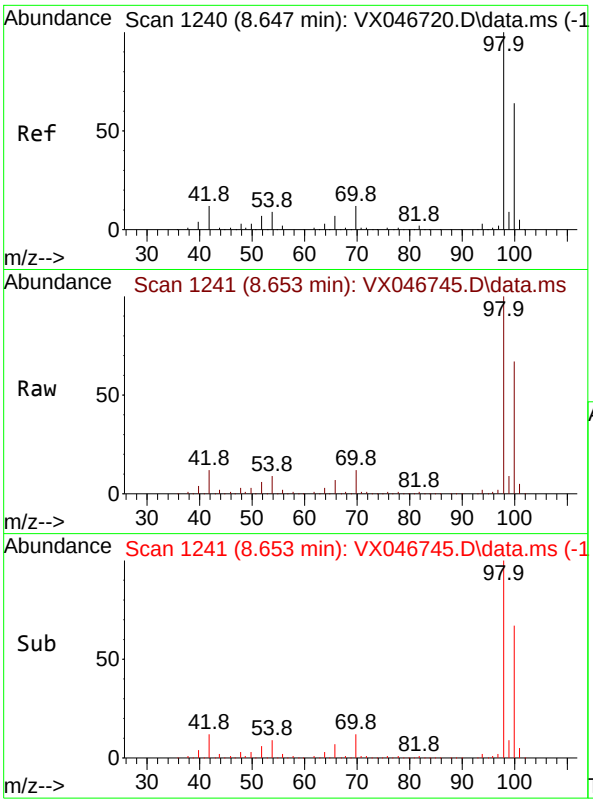




#35
Dibromofluoromethane
Concen: 49.083 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

Tgt Ion:113 Resp: 119388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |



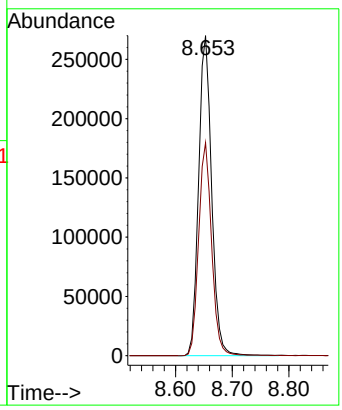


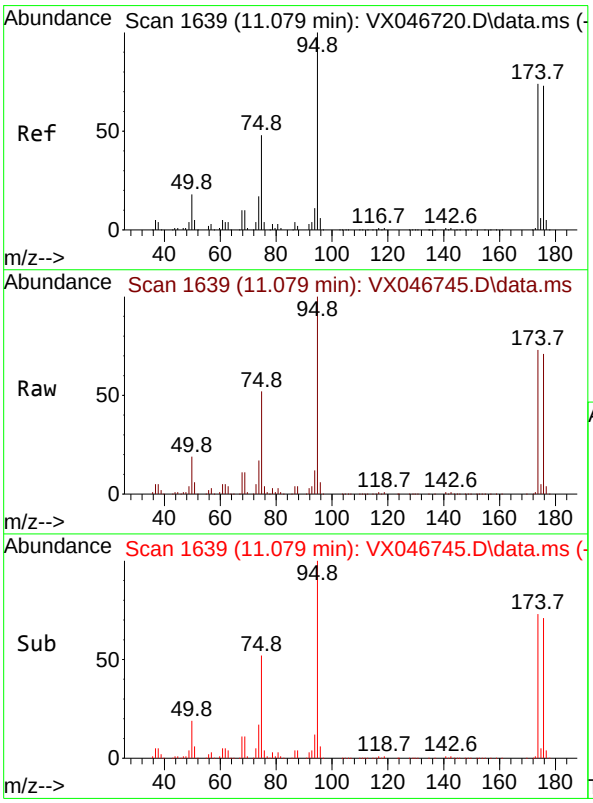

#50
Toluene-d8
Concen: 49.303 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Tgt Ion: 98 Resp: 430858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

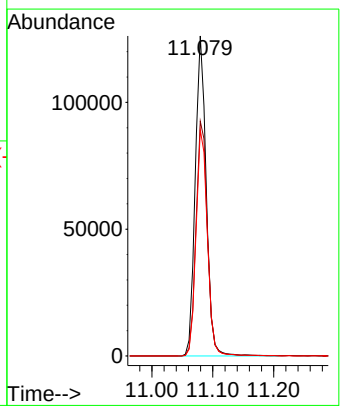


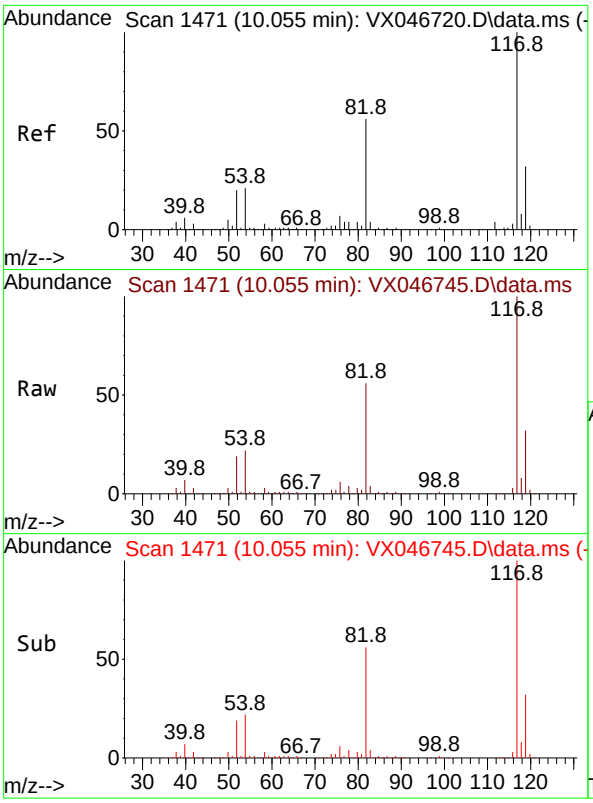




#62
4-Bromofluorobenzene
Concen: 48.418 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

Tgt Ion: 95 Resp: 157725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.5 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |



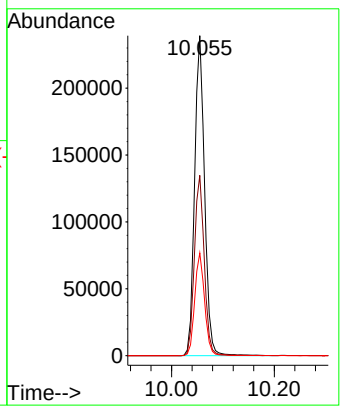


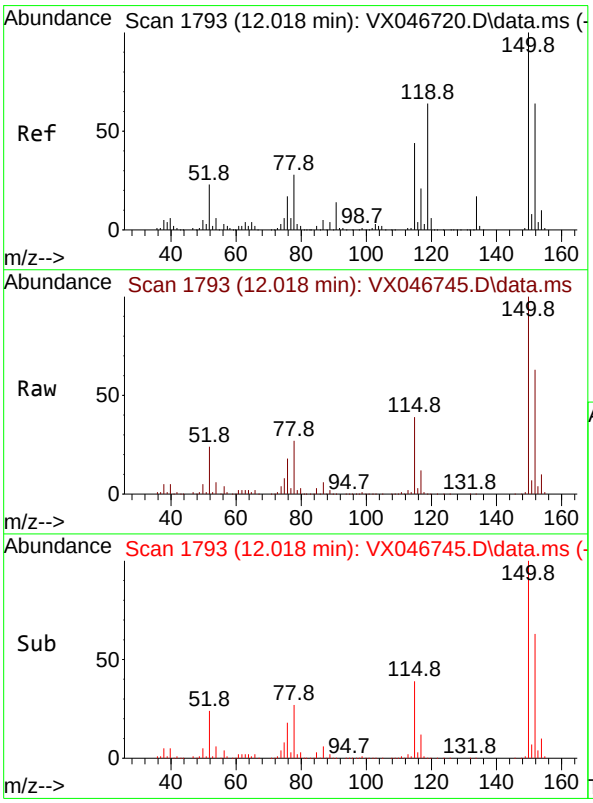

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
RW8-MW01D1-20250617

Tgt Ion:117 Resp: 322256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

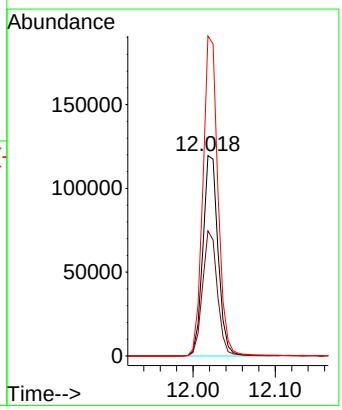



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046745.D
Acq: 18 Jun 2025 16:07

Tgt Ion:152 Resp: 153646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 43.2 | 129.6 |
| 150 | 158.4 | 0.0 | 346.8 |



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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT192D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-16 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046746.D | 1 | | 06/18/25 16:29 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.35 | J | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.69 | J | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.33 | J | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT192D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-16 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046746.D | 1 | | 06/18/25 16:29 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.7 | | 81 - 118 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.2 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 133000 | 5.568 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 221000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 196000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 94000 | 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: | 06/17/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | TT192D2-20250617 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-16 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046746.D | 1 | | 06/18/25 16:29 | VX061825 |

| 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\VX061825\
Data File : VX046746.D
Acq On : 18 Jun 2025 16:29
Operator : JC/MD
Sample : Q2345-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Quant Time: Jun 19 01:26:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

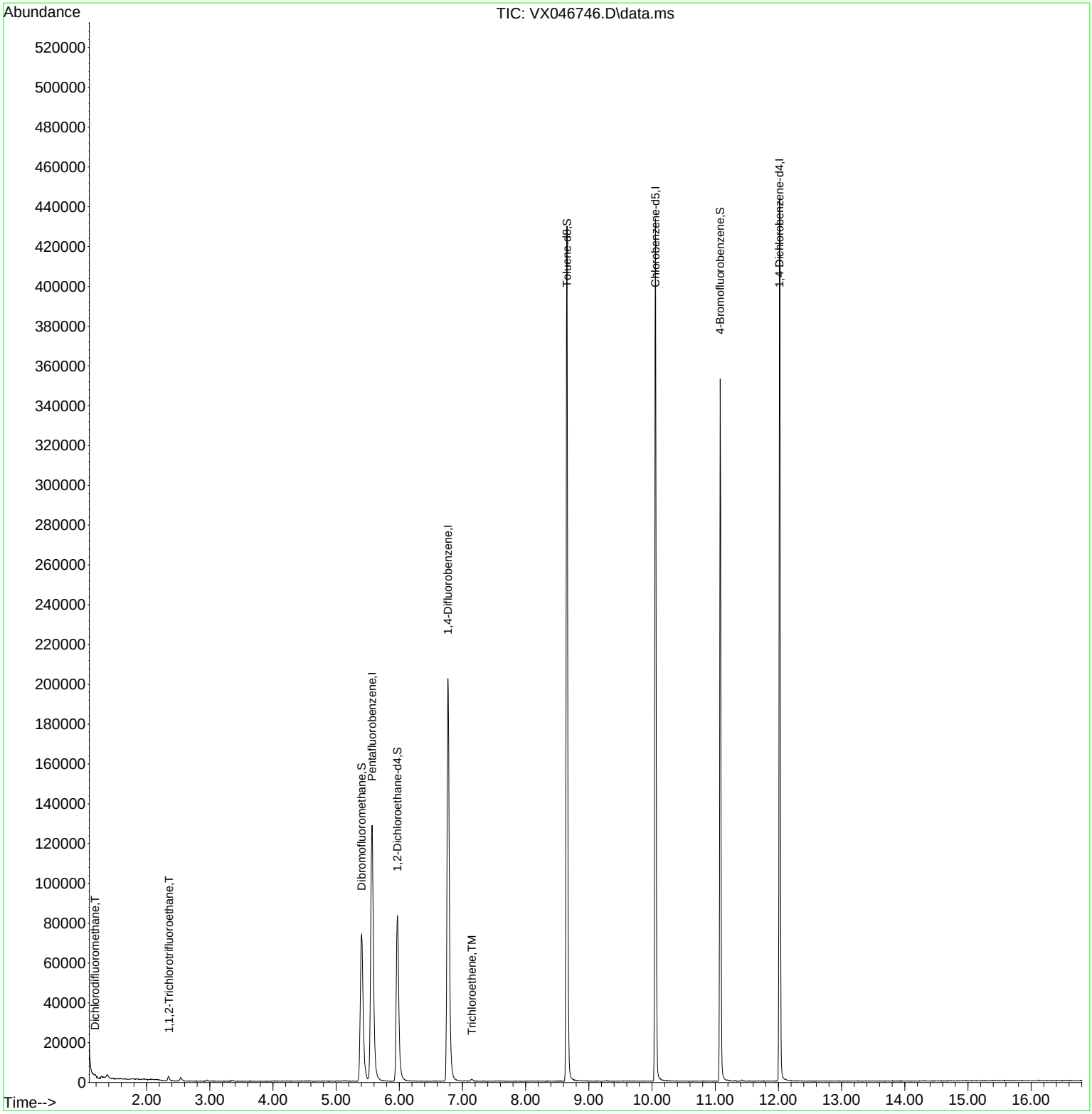
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 133130 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 221280 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195519 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93964 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.970 | 65 | 87891 | 47.730 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 95.460% | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 71957 | 49.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 98.300% | | |
| 50) Toluene-d8 | 8.653 | 98 | 261758 | 49.764 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.520% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 94548 | 48.220 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.440% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 495 | 0.348 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.355 | 101 | 1053 | 0.691 | ug/l | 98 |
| 44) Trichloroethene | 7.147 | 130 | 525 | 0.329 | ug/l | 93 |

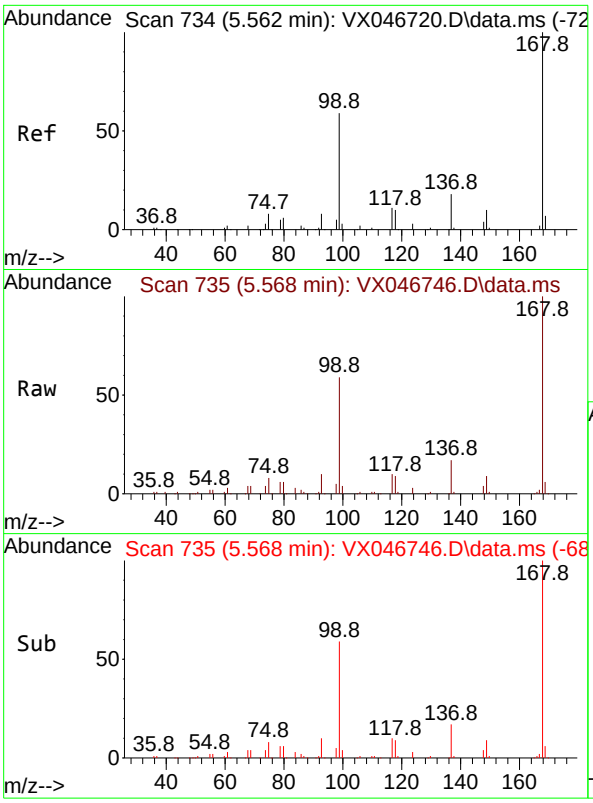
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046746.D
Acq On : 18 Jun 2025 16:29
Operator : JC/MD
Sample : Q2345-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Quant Time: Jun 19 01:26:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



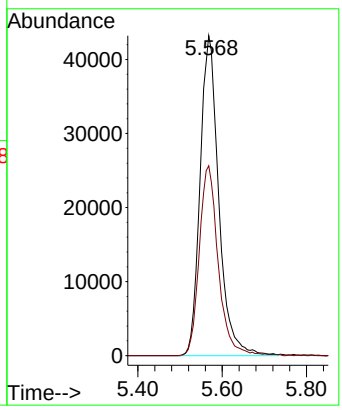


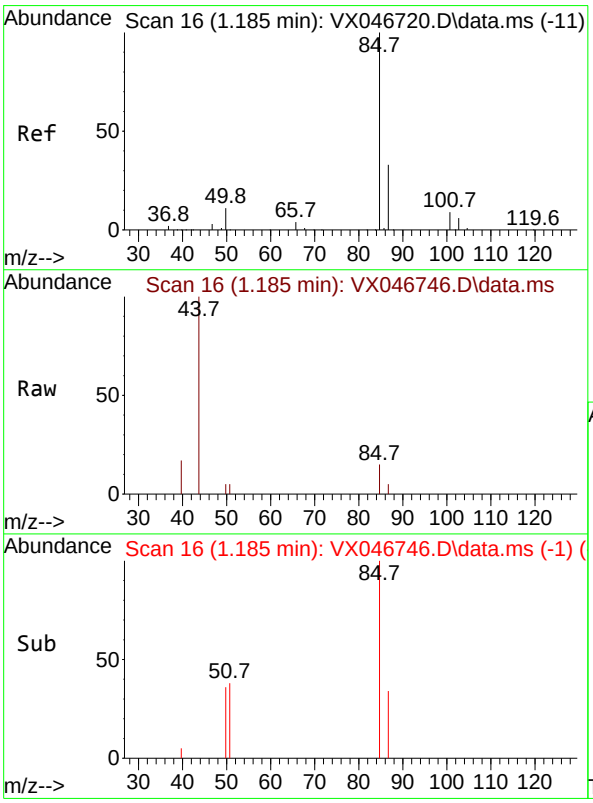

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion:168 Resp: 133130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.4 | 48.5 | 72.7 |

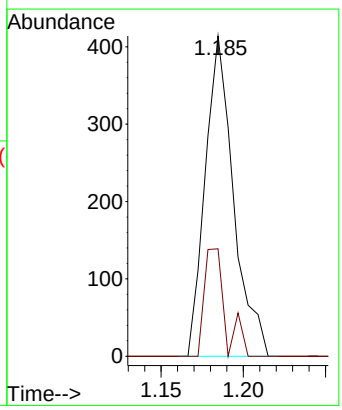


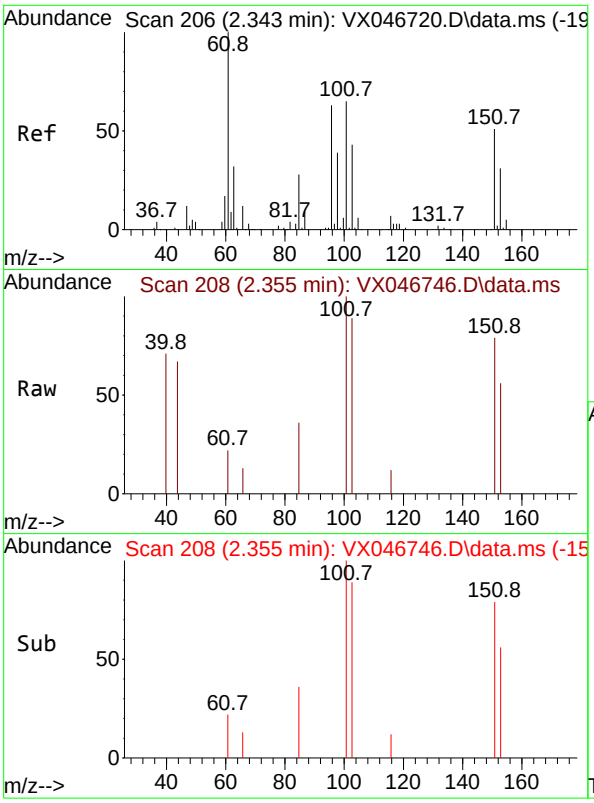




#2
Dichlorodifluoromethane
Concen: 0.348 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

Tgt Ion: 85 Resp: 495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 16.6 | 49.8 |



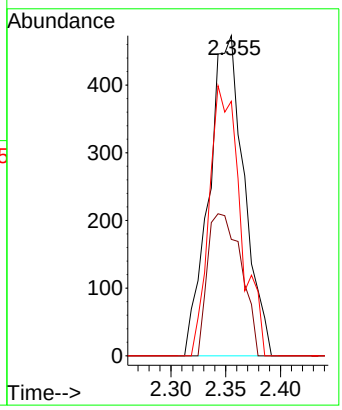


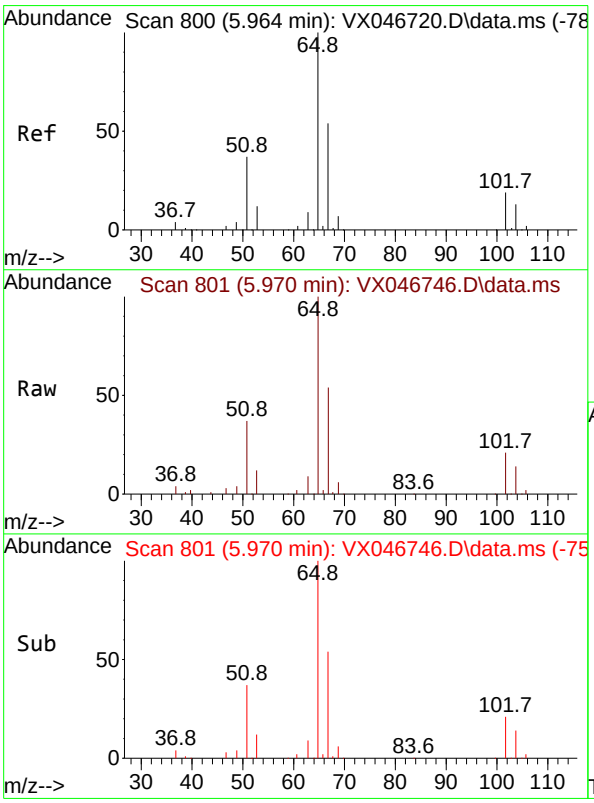

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.691 ug/l
RT: 2.355 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion:101 Resp: 1053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.5 | 35.4 | 53.0 |
| 151 | 75.0 | 61.2 | 91.8 |

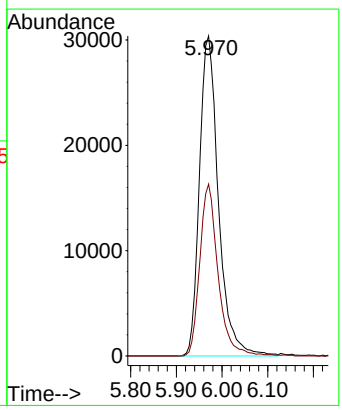


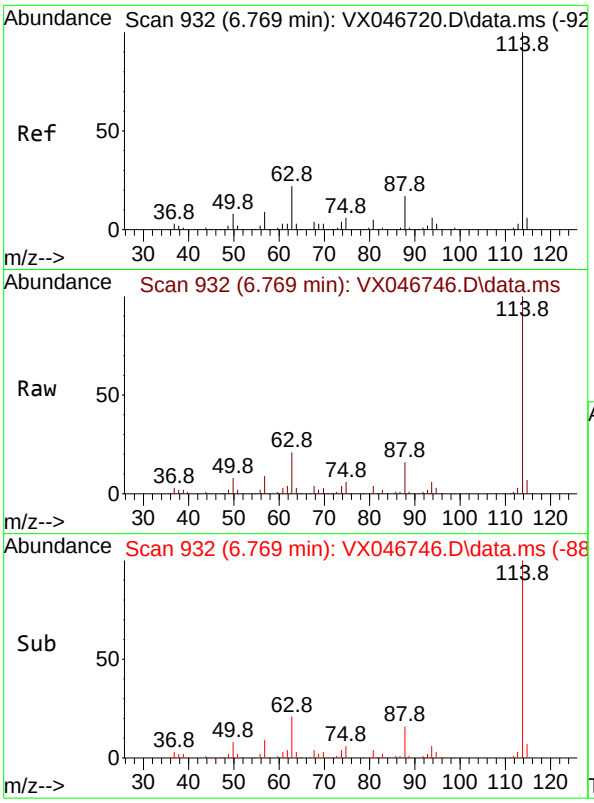




#33
1,2-Dichloroethane-d4
Concen: 47.730 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

Tgt Ion: 65 Resp: 87891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 105.4 |



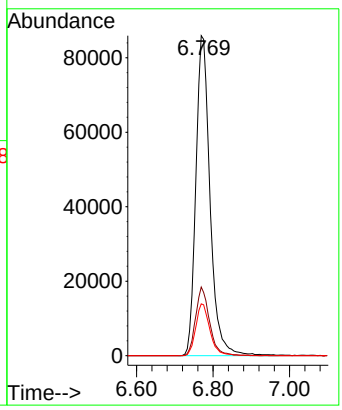


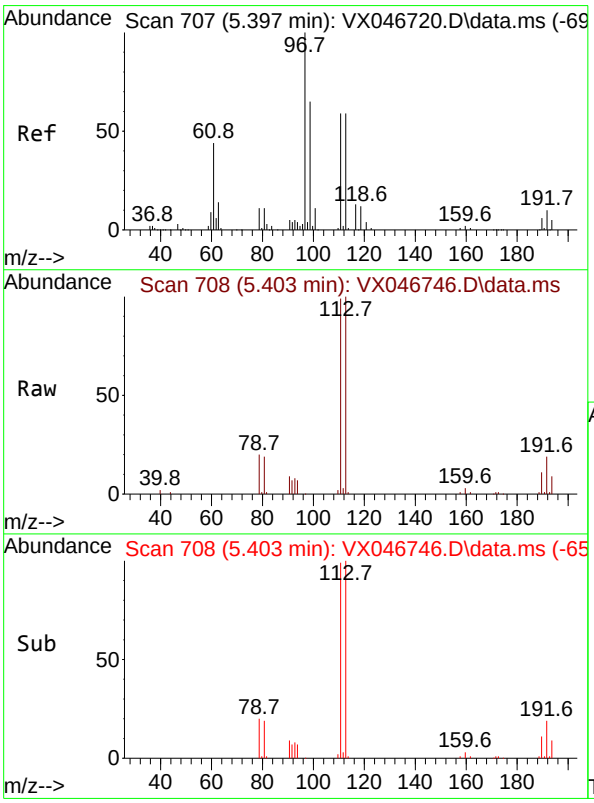

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion:114 Resp: 221280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |

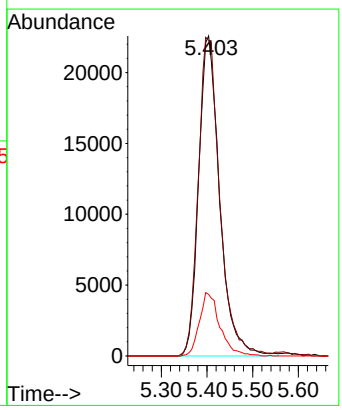


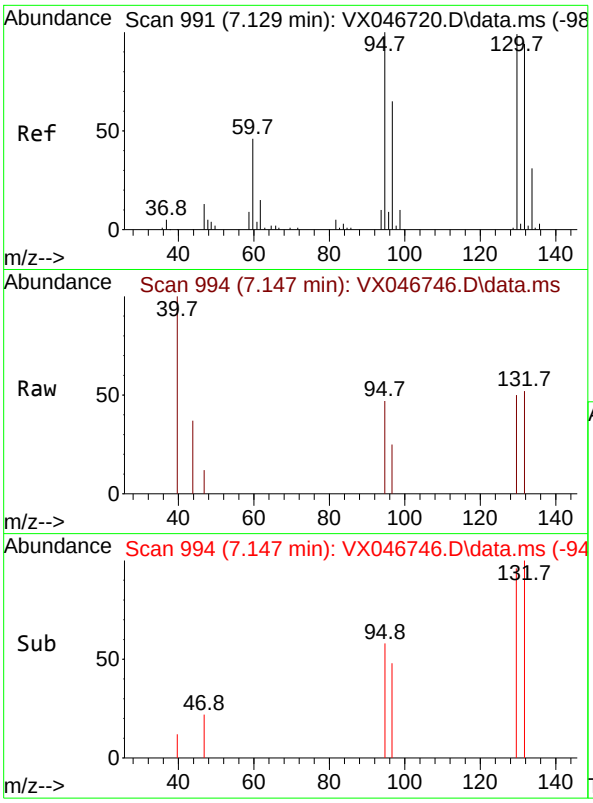




#35
Dibromofluoromethane
Concen: 49.149 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

Tgt Ion:113 Resp: 71957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 82.0 | 123.0 |
| 192 | 19.2 | 15.3 | 22.9 |



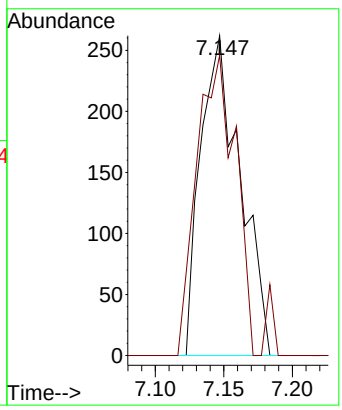


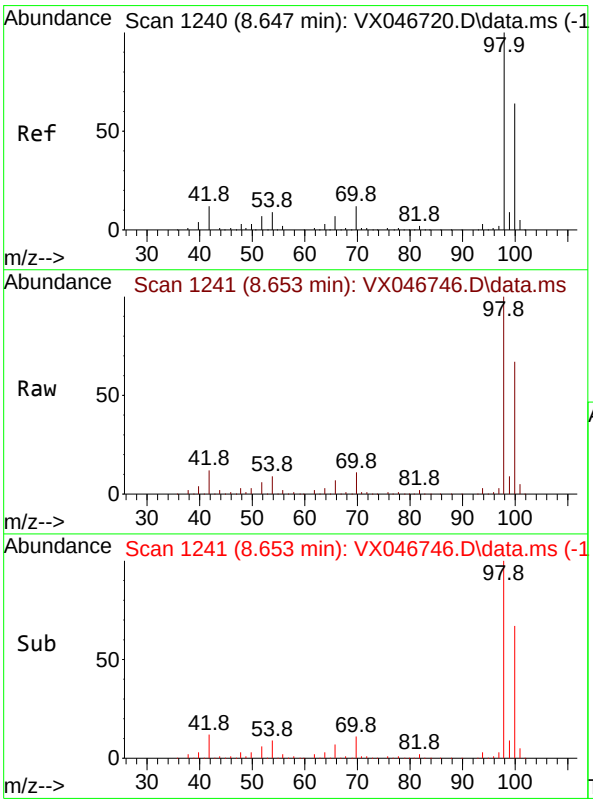

#44
Trichloroethene
Concen: 0.329 ug/l
RT: 7.147 min Scan# 9
Delta R.T. 0.018 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion:130 Resp: 525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.9 | 0.0 | 202.6 |

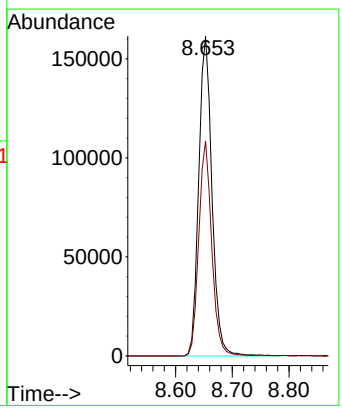


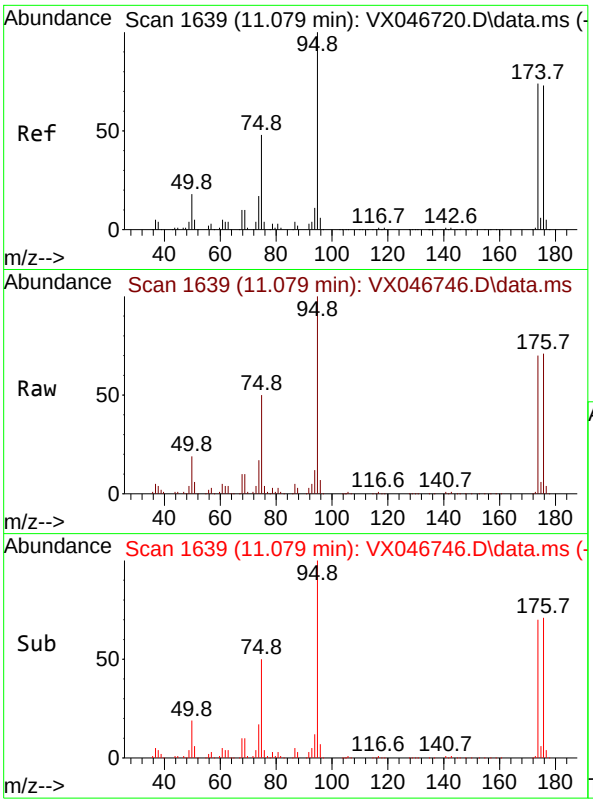




#50
Toluene-d8
Concen: 49.764 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

Tgt Ion: 98 Resp: 261758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.8 | 53.0 | 79.4 |



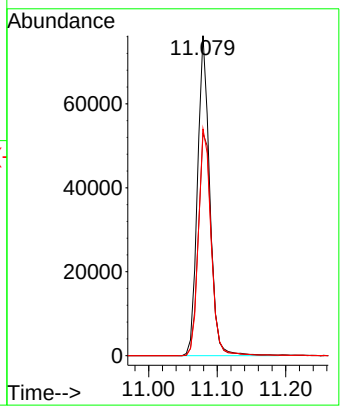


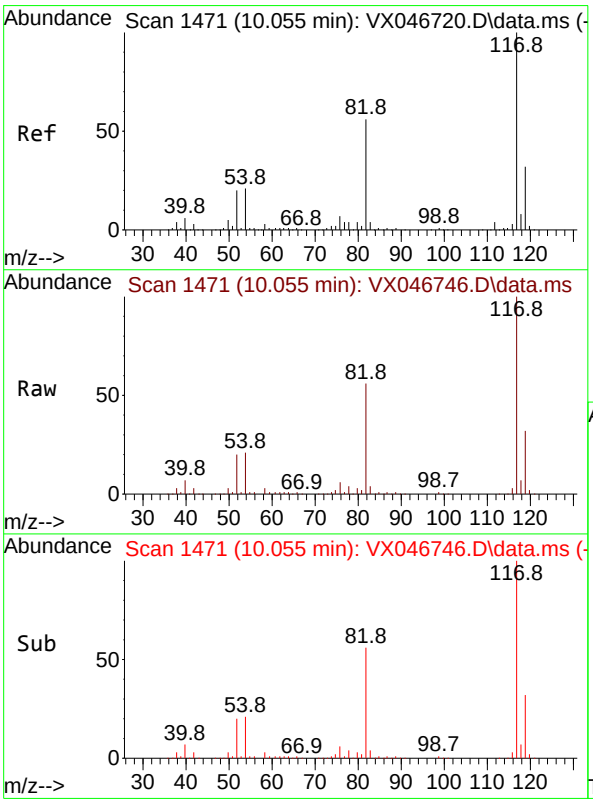

#62
4-Bromofluorobenzene
Concen: 48.220 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion: 95 Resp: 94548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.6 | 0.0 | 150.4 |
| 176 | 73.6 | 0.0 | 145.0 |

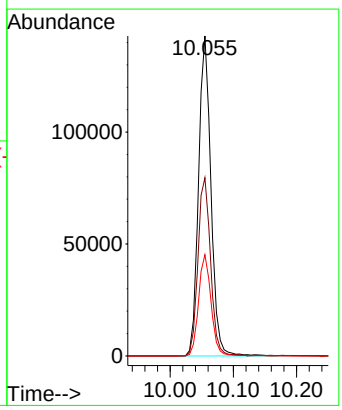


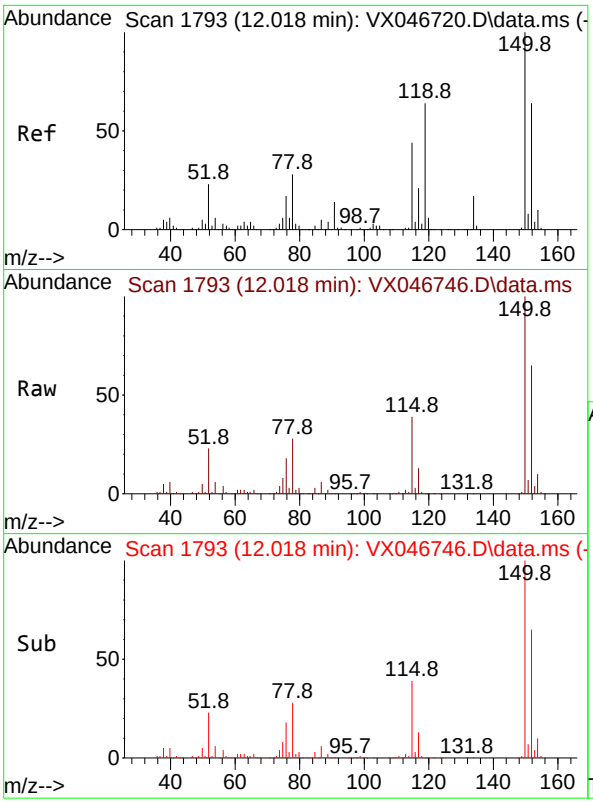




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

Tgt Ion:117 Resp: 195519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 31.7 | 25.8 | 38.8 |



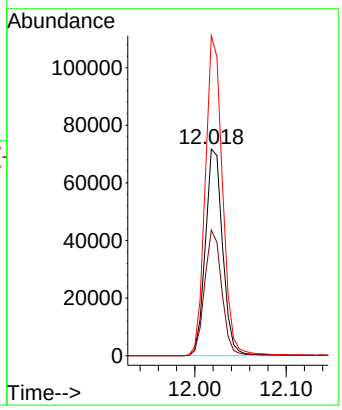



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046746.D
Acq: 18 Jun 2025 16:29

**Instrument :**
MSVOA_X
**ClientSampleId :**
TT192D2-20250617

Tgt Ion:152 Resp: 93964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.0 | 43.2 | 129.6 |
| 150 | 155.1 | 0.0 | 346.8 |



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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-4-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-17 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046747.D | 1 | | 06/18/25 16:50 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-4-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-17 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046747.D | 1 | | 06/18/25 16:50 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.26 | J | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.8 | | 81 - 118 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.0 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.2 | | 85 - 114 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 211000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 349000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 309000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 147000 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-4-20250616 | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-17 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046747.D | 1 | | 06/18/25 16:50 | VX061825 |

| 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\VX061825\
Data File : VX046747.D
Acq On : 18 Jun 2025 16:50
Operator : JC/MD
Sample : Q2345-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Quant Time: Jun 19 01:27:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

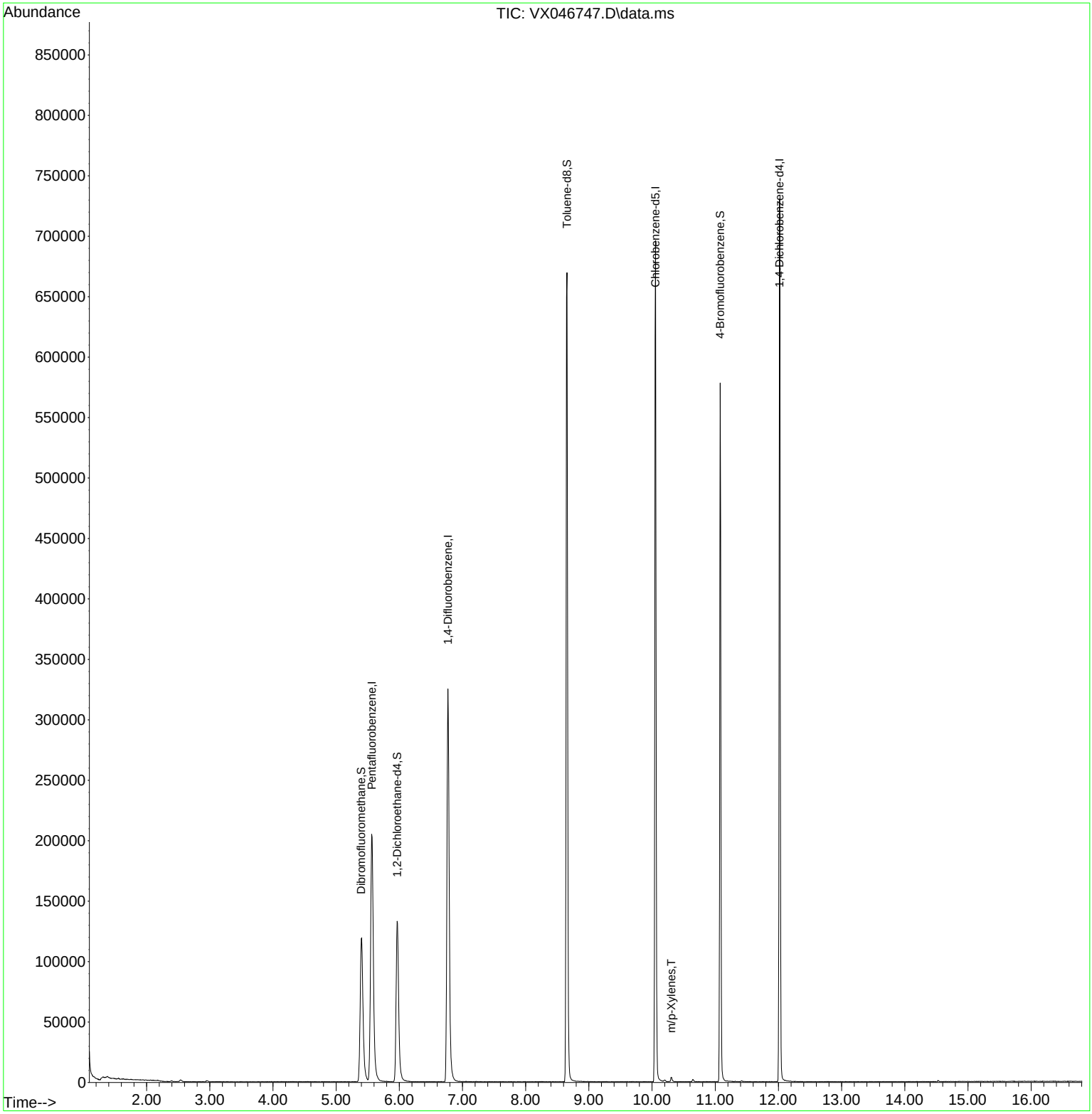
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 210931 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 348901 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 308900 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 147369 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 139483 | 47.808 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 95.620% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 113104 | 48.996 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 98.000% | | |
| 50) Toluene-d8 | 8.653 | 98 | 413425 | 49.848 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.700% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 151978 | 49.158 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 98.320% | | |
| Target Compounds | | | | | | Qvalue |
| 68) m/p-Xylenes | 10.305 | 106 | 1140 | 0.257 | ug/l | 97 |

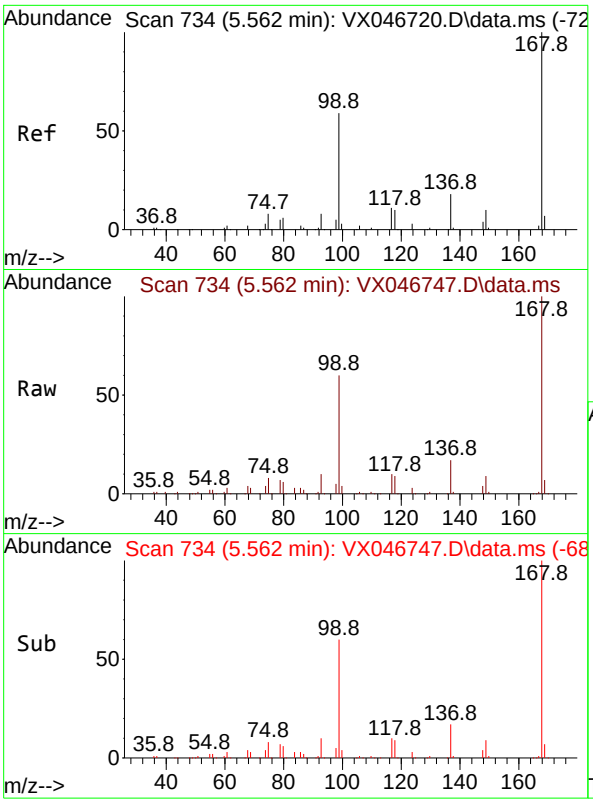
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046747.D
Acq On : 18 Jun 2025 16:50
Operator : JC/MD
Sample : Q2345-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Quant Time: Jun 19 01:27:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



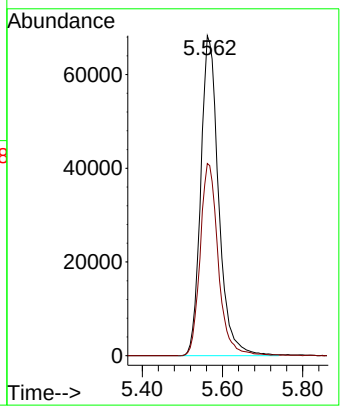


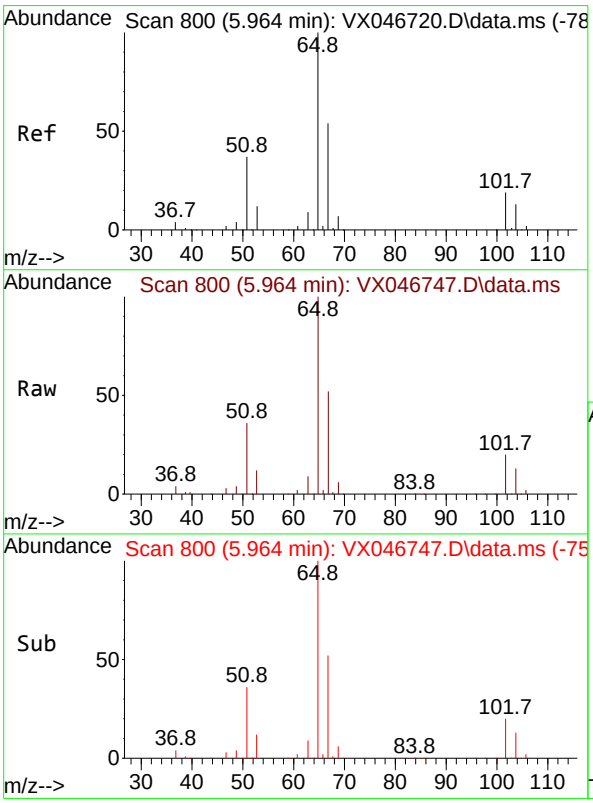

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Tgt Ion:168 Resp: 210931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.1 | 48.5 | 72.7 |

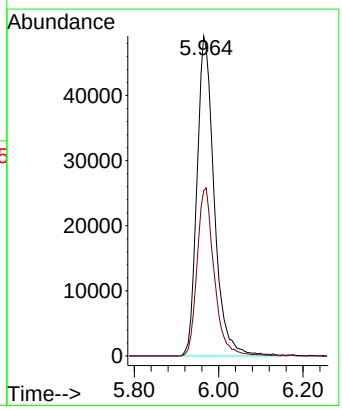


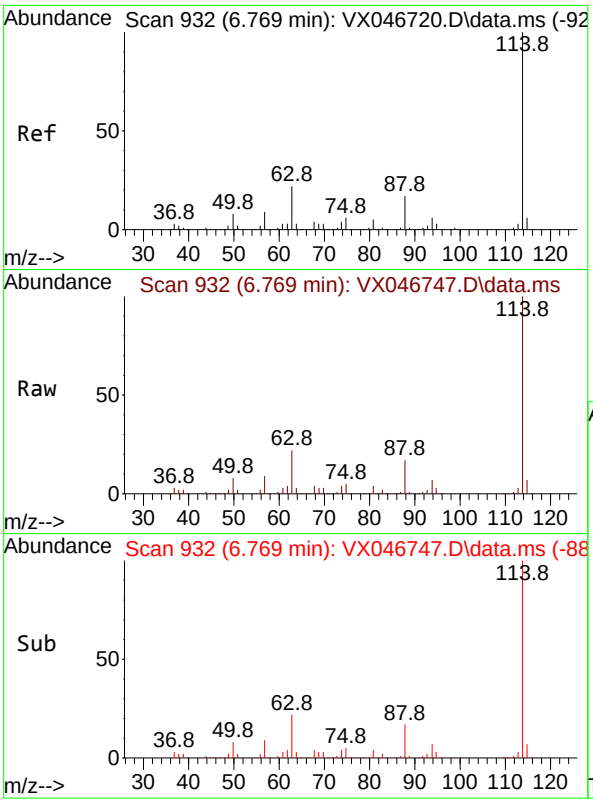




#33
1,2-Dichloroethane-d4
Concen: 47.808 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

Tgt Ion: 65 Resp: 139483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 105.4 |



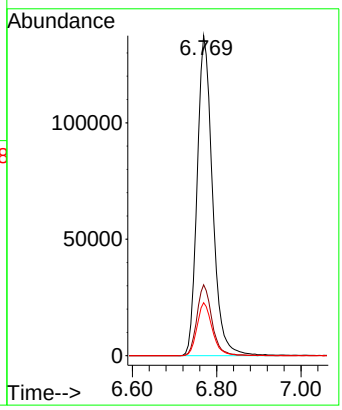


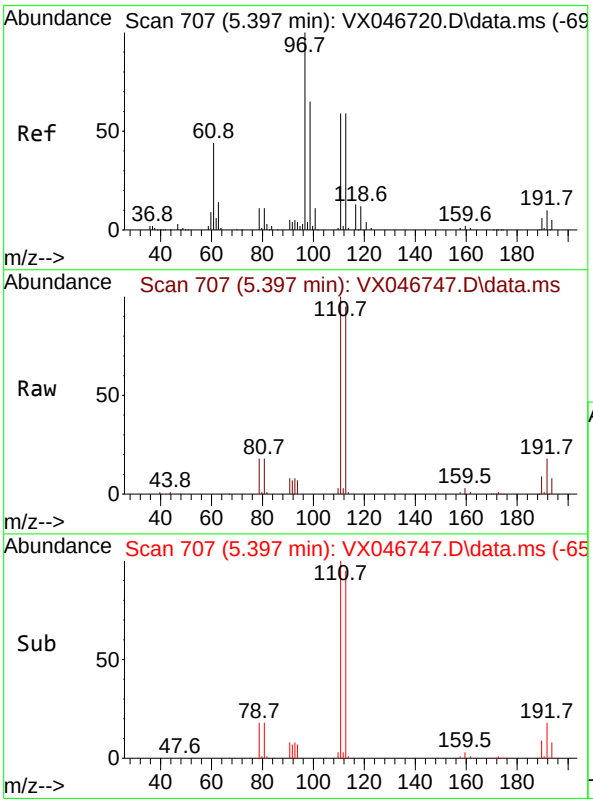

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Tgt Ion:114 Resp: 348901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |

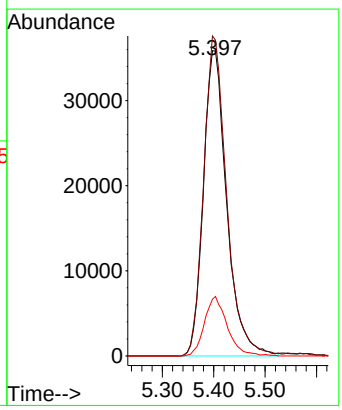


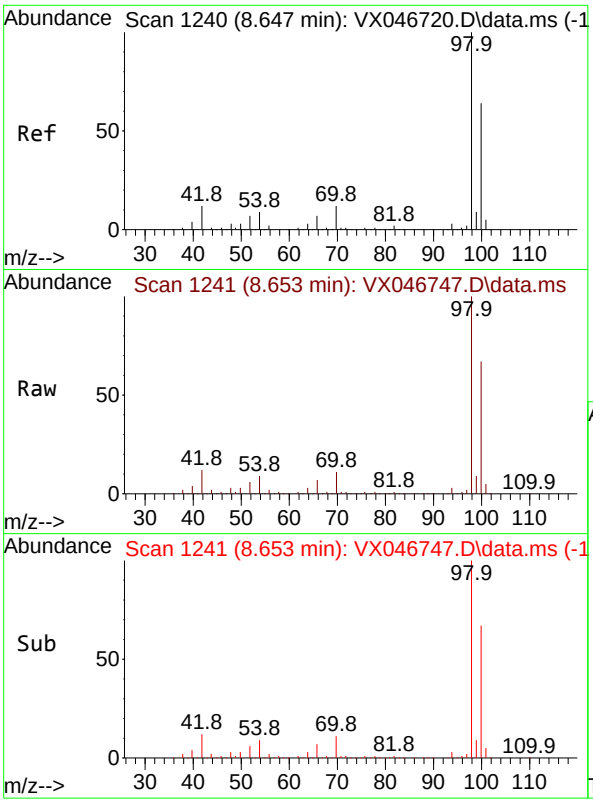




#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

Tgt Ion:113 Resp: 113104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |



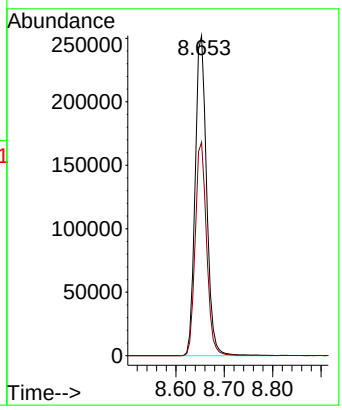


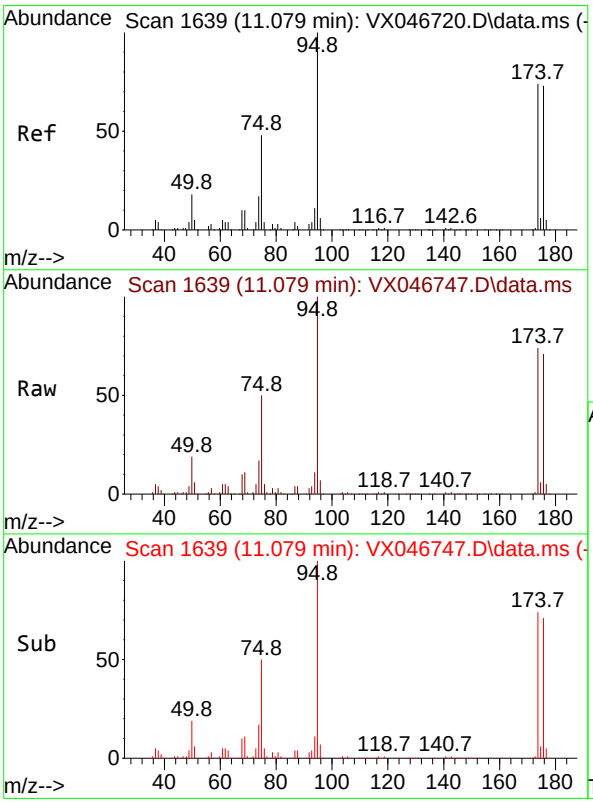

#50
Toluene-d8
Concen: 49.848 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Tgt Ion: 98 Resp: 413425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

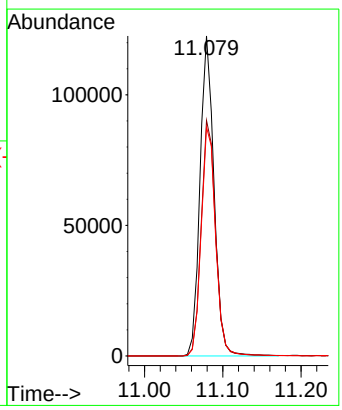


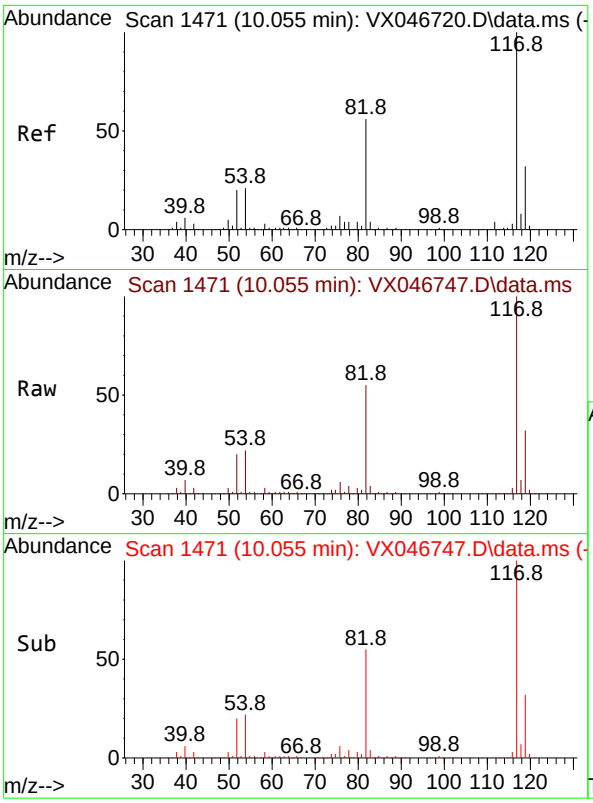




#62
4-Bromofluorobenzene
Concen: 49.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

Tgt Ion: 95 Resp: 151978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.9 | 0.0 | 150.4 |
| 176 | 74.0 | 0.0 | 145.0 |



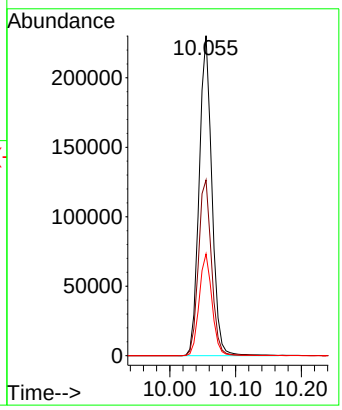


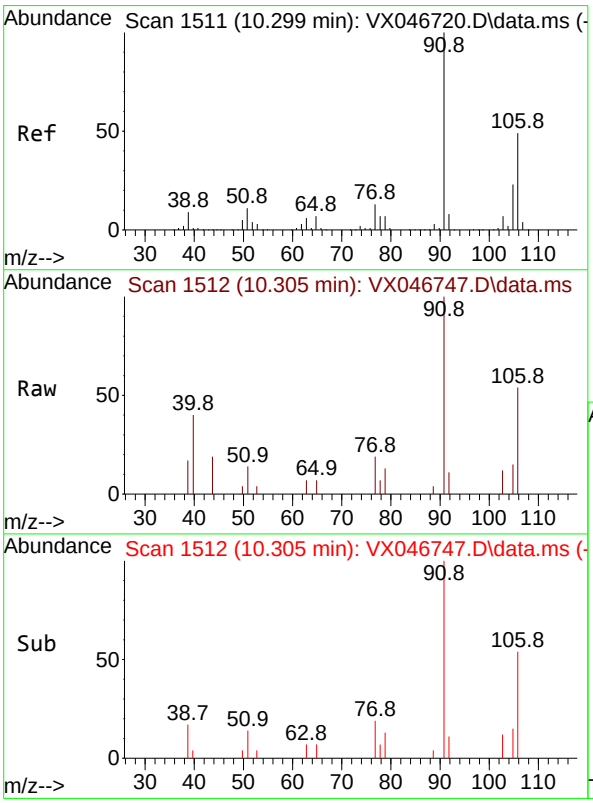

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Tgt Ion:117 Resp: 308900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 44.6 | 66.8 |
| 119 | 31.8 | 25.8 | 38.8 |

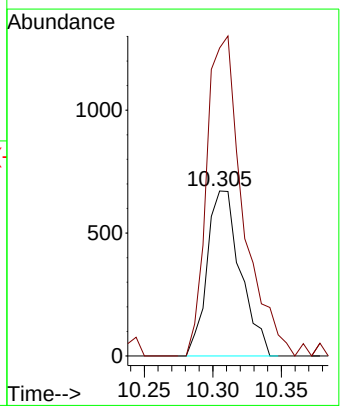


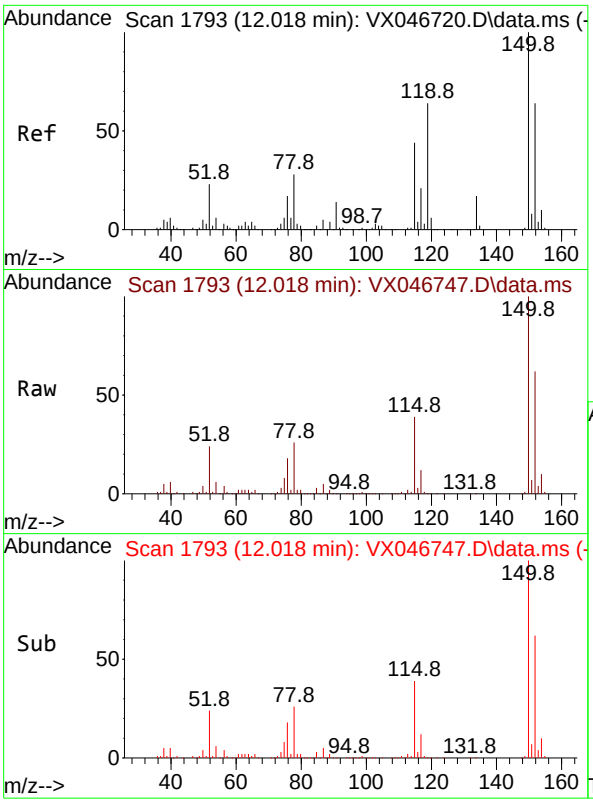




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

Tgt Ion:106 Resp: 1140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.9 | 164.8 | 247.2 |



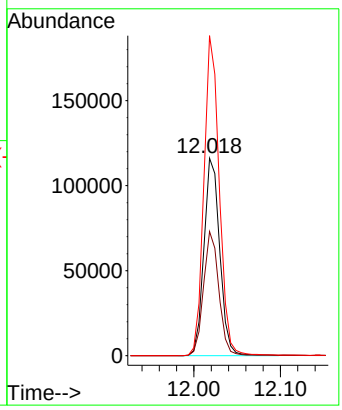



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046747.D
Acq: 18 Jun 2025 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-4-20250616

Tgt Ion:152 Resp: 147369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 43.2 | 129.6 |
| 150 | 157.9 | 0.0 | 346.8 |



# CALIBRATION SUMMARY

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

| COMPOUND | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.464 | 0.507 | 0.583 | 0.627 | 0.598 | 0.425 | 0.534 | 15.1 |
| Chloromethane | 0.541 | 0.570 | 0.593 | 0.641 | 0.627 | 0.485 | 0.576 | 10 |
| Vinyl Chloride | 0.569 | 0.632 | 0.634 | 0.687 | 0.644 | 0.521 | 0.614 | 9.7 |
| Bromomethane | 0.371 | 0.367 | 0.369 | 0.341 | 0.280 | | 0.346 | 11.1 |
| Chloroethane | 0.350 | 0.388 | 0.377 | 0.405 | 0.381 | 0.332 | 0.372 | 7.1 |
| Trichlorofluoromethane | 0.897 | 0.974 | 0.967 | 1.030 | 0.972 | 0.757 | 0.933 | 10.3 |
| 1,1,2-Trichlorotrifluoroethane | 0.563 | 0.608 | 0.576 | 0.623 | 0.594 | 0.470 | 0.572 | 9.6 |
| 1,1-Dichloroethene | 0.527 | 0.574 | 0.569 | 0.609 | 0.583 | 0.451 | 0.552 | 10.2 |
| Acetone | 0.219 | 0.222 | 0.220 | 0.238 | 0.234 | 0.251 | 0.231 | 5.6 |
| Carbon Disulfide | 1.503 | 1.644 | 1.599 | 1.735 | 1.656 | 1.869 | 1.668 | 7.5 |
| Methyl tert-butyl Ether | 1.628 | 1.803 | 1.752 | 1.898 | 1.808 | 1.427 | 1.720 | 9.8 |
| Methyl Acetate | 0.577 | 0.590 | 0.581 | 0.650 | 0.647 | 0.470 | 0.586 | 11.2 |
| Methylene Chloride | 0.655 | 0.655 | 0.610 | 0.666 | 0.624 | 0.637 | 0.641 | 3.3 |
| trans-1,2-Dichloroethene | 0.569 | 0.627 | 0.589 | 0.637 | 0.595 | 0.529 | 0.591 | 6.7 |
| 1,1-Dichloroethane | 1.054 | 1.153 | 1.088 | 1.170 | 1.114 | 0.972 | 1.092 | 6.6 |
| Cyclohexane | 0.983 | 1.086 | 1.013 | 1.074 | 1.021 | | 1.036 | 4.2 |
| 2-Butanone | 0.319 | 0.325 | 0.338 | 0.371 | 0.353 | 0.251 | 0.326 | 12.7 |
| Carbon Tetrachloride | 0.509 | 0.537 | 0.515 | 0.548 | 0.531 | 0.470 | 0.518 | 5.4 |
| cis-1,2-Dichloroethene | 0.681 | 0.731 | 0.686 | 0.741 | 0.704 | 0.623 | 0.694 | 6.1 |
| Bromochloromethane | 0.527 | 0.459 | 0.485 | 0.519 | 0.500 | 0.480 | 0.495 | 5.2 |
| Chloroform | 1.102 | 1.190 | 1.114 | 1.181 | 1.109 | 0.857 | 1.092 | 11.1 |
| 1,1,1-Trichloroethane | 0.931 | 1.012 | 0.956 | 1.046 | 0.990 | 0.812 | 0.958 | 8.6 |
| Methylcyclohexane | 0.631 | 0.642 | 0.629 | 0.672 | 0.647 | 0.550 | 0.628 | 6.6 |
| Benzene | 1.431 | 1.477 | 1.417 | 1.509 | 1.427 | 1.218 | 1.413 | 7.2 |
| 1,2-Dichloroethane | 0.508 | 0.523 | 0.495 | 0.528 | 0.497 | 0.429 | 0.497 | 7.2 |
| Trichloroethene | 0.355 | 0.374 | 0.356 | 0.389 | 0.366 | 0.320 | 0.360 | 6.5 |
| 1,2-Dichloropropane | 0.347 | 0.372 | 0.346 | 0.374 | 0.357 | 0.305 | 0.350 | 7.2 |
| Bromodichloromethane | 0.510 | 0.545 | 0.522 | 0.562 | 0.540 | 0.404 | 0.514 | 11.1 |
| 4-Methyl-2-Pentanone | 0.408 | 0.414 | 0.426 | 0.460 | 0.439 | 0.322 | 0.411 | 11.6 |
| Toluene | 0.884 | 0.927 | 0.888 | 0.927 | 0.881 | 0.750 | 0.876 | 7.4 |

* 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.

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

| COMPOUND | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.438 | 0.484 | 0.488 | 0.555 | 0.540 | 0.355 | 0.477 | 15.3 |
| cis-1,3-Dichloropropene | 0.516 | 0.555 | 0.548 | 0.603 | 0.589 | 0.436 | 0.541 | 11.1 |
| 1,1,2-Trichloroethane | 0.330 | 0.341 | 0.326 | 0.347 | 0.329 | 0.287 | 0.327 | 6.4 |
| 2-Hexanone | 0.285 | 0.285 | 0.297 | 0.320 | 0.305 | 0.214 | 0.284 | 13 |
| Dibromochloromethane | 0.380 | 0.402 | 0.388 | 0.419 | 0.402 | 0.318 | 0.385 | 9.3 |
| 1,2-Dibromoethane | 0.333 | 0.348 | 0.335 | 0.363 | 0.346 | 0.267 | 0.332 | 10.1 |
| Tetrachloroethene | 0.345 | 0.353 | 0.340 | 0.360 | 0.339 | 0.341 | 0.346 | 2.4 |
| Chlorobenzene | 1.114 | 1.148 | 1.091 | 1.165 | 1.100 | 1.005 | 1.104 | 5.1 |
| Ethyl Benzene | 1.905 | 2.030 | 1.933 | 2.062 | 1.945 | 1.696 | 1.929 | 6.7 |
| m/p-Xylenes | 0.705 | 0.764 | 0.724 | 0.765 | 0.718 | 0.635 | 0.719 | 6.7 |
| o-Xylene | 0.686 | 0.729 | 0.692 | 0.739 | 0.698 | 0.498 | 0.673 | 13.1 |
| Styrene | 1.144 | 1.256 | 1.208 | 1.267 | 1.203 | 0.993 | 1.179 | 8.6 |
| Bromoform | 0.268 | 0.295 | 0.287 | 0.315 | 0.304 | 0.226 | 0.282 | 11.3 |
| Isopropylbenzene | 3.593 | 3.914 | 3.723 | 4.004 | 3.814 | 3.048 | 3.682 | 9.3 |
| 1,1,2,2-Tetrachloroethane | 1.037 | 1.075 | 1.044 | 1.124 | 1.074 | 0.816 | 1.028 | 10.6 |
| 1,3-Dichlorobenzene | 1.703 | 1.787 | 1.678 | 1.786 | 1.719 | 1.694 | 1.728 | 2.7 |
| 1,4-Dichlorobenzene | 1.743 | 1.830 | 1.653 | 1.789 | 1.702 | 1.932 | 1.775 | 5.6 |
| 1,2-Dichlorobenzene | 1.604 | 1.701 | 1.592 | 1.703 | 1.628 | 1.460 | 1.615 | 5.5 |
| 1,2-Dibromo-3-Chloropropane | 0.196 | 0.205 | 0.211 | 0.235 | 0.237 | 0.134 | 0.203 | 18.6 |
| 1,2,4-Trichlorobenzene | 1.040 | 1.138 | 1.127 | 1.253 | 1.160 | 1.170 | 1.148 | 6 |
| 1,2,3-Trichlorobenzene | 1.062 | 1.129 | 1.082 | 1.207 | 1.153 | 0.957 | 1.098 | 7.9 |
| 1,2-Dichloroethane-d4 | 0.801 | 0.567 | 0.649 | 0.726 | 0.714 | | 0.692 | 12.7 |
| Dibromofluoromethane | 0.362 | 0.267 | 0.320 | 0.354 | 0.351 | | 0.331 | 11.9 |
| Toluene-d8 | 1.342 | 0.973 | 1.144 | 1.250 | 1.234 | | 1.189 | 11.7 |
| 4-Bromofluorobenzene | 0.513 | 0.354 | 0.426 | 0.466 | 0.456 | | 0.443 | 13.3 |

* 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_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046725.D 5 =VX046718.D 20 =VX046719.D 50 =VX046720.D 100 =VX046721.D 150 =VX046722.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.425 | 0.464 | 0.507 | 0.583 | 0.627 | 0.598 | 0.534 | 15.13 |
| 3) | P | Chloromethane | 0.485 | 0.541 | 0.570 | 0.593 | 0.641 | 0.627 | 0.576 | 9.97 |
| 4) | C | Vinyl Chloride | 0.521 | 0.569 | 0.632 | 0.634 | 0.687 | 0.644 | 0.614 | 9.68# |
| 5) | T | Bromomethane | | 0.371 | 0.367 | 0.369 | 0.341 | 0.280 | 0.346 | 11.13 |
| 6) | T | Chloroethane | 0.332 | 0.350 | 0.388 | 0.377 | 0.405 | 0.381 | 0.372 | 7.12 |
| 7) | T | Trichlorofluor... | 0.757 | 0.897 | 0.974 | 0.967 | 1.030 | 0.972 | 0.933 | 10.30 |
| 8) | T | Diethyl Ether | 0.265 | 0.309 | 0.337 | 0.322 | 0.352 | 0.336 | 0.320 | 9.58 |
| 9) | T | 1,1,2-Trichlor... | 0.470 | 0.563 | 0.608 | 0.576 | 0.623 | 0.594 | 0.572 | 9.55 |
| 10) | T | Methyl Iodide | | 0.447 | 0.566 | 0.654 | 0.788 | 0.752 | 0.642 | 21.71 |
| 11) | T | Tert butyl alc... | | 0.048 | 0.061 | 0.062 | 0.071 | 0.069 | 0.062 | 14.45 |
| 12) | CM | 1,1-Dichloroet... | 0.451 | 0.527 | 0.574 | 0.569 | 0.609 | 0.583 | 0.552 | 10.21# |
| 13) | T | Acrolein | | 0.095 | 0.074 | 0.087 | 0.098 | 0.097 | 0.090 | 11.04 |
| 14) | T | Allyl chloride | 0.876 | 0.934 | 1.042 | 0.999 | 1.102 | 1.051 | 1.001 | 8.30 |
| 15) | T | Acrylonitrile | 0.226 | 0.270 | 0.287 | 0.285 | 0.312 | 0.295 | 0.279 | 10.61 |
| 16) | T | Acetone | 0.251 | 0.219 | 0.222 | 0.220 | 0.238 | 0.234 | 0.231 | 5.60 |
| 17) | T | Carbon Disulfide | 1.869 | 1.503 | 1.644 | 1.599 | 1.735 | 1.656 | 1.668 | 7.46 |
| 18) | T | Methyl Acetate | 0.470 | 0.577 | 0.590 | 0.581 | 0.650 | 0.647 | 0.586 | 11.17 |
| 19) | T | Methyl tert-bu... | 1.427 | 1.628 | 1.803 | 1.752 | 1.898 | 1.808 | 1.720 | 9.79 |
| 20) | T | Methylene Chlo... | 0.637 | 0.655 | 0.655 | 0.610 | 0.666 | 0.624 | 0.641 | 3.32 |
| 21) | T | trans-1,2-Dich... | 0.529 | 0.569 | 0.627 | 0.589 | 0.637 | 0.595 | 0.591 | 6.68 |
| 22) | T | Diisopropyl ether | 1.531 | 1.883 | 2.073 | 1.967 | 2.113 | 1.973 | 1.923 | 10.87 |
| 23) | T | Vinyl Acetate | 1.138 | 1.423 | 1.608 | 1.596 | 1.747 | 1.664 | 1.529 | 14.33 |
| 24) | P | 1,1-Dichloroet... | 0.972 | 1.054 | 1.153 | 1.088 | 1.170 | 1.114 | 1.092 | 6.63 |
| 25) | T | 2-Butanone | 0.251 | 0.319 | 0.325 | 0.338 | 0.371 | 0.353 | 0.326 | 12.66 |
| 26) | T | 2,2-Dichloropr... | 0.688 | 0.768 | 0.798 | 0.761 | 0.878 | 0.886 | 0.796 | 9.49 |
| 27) | T | cis-1,2-Dichlo... | 0.623 | 0.681 | 0.731 | 0.686 | 0.741 | 0.704 | 0.694 | 6.06 |
| 28) | T | Bromochloromet... | 0.480 | 0.527 | 0.459 | 0.485 | 0.519 | 0.500 | 0.495 | 5.18 |
| 29) | T | Tetrahydrofuran | 0.162 | 0.205 | 0.211 | 0.216 | 0.240 | 0.229 | 0.211 | 12.74 |
| 30) | C | Chloroform | 0.857 | 1.102 | 1.190 | 1.114 | 1.181 | 1.109 | 1.092 | 11.08# |
| 31) | T | Cyclohexane | | 0.983 | 1.086 | 1.013 | 1.074 | 1.021 | 1.036 | 4.20 |
| 32) | T | 1,1,1-Trichlor... | 0.812 | 0.931 | 1.012 | 0.956 | 1.046 | 0.990 | 0.958 | 8.58 |
| 33) | S | 1,2-Dichloroet... | | 0.801 | 0.567 | 0.649 | 0.726 | 0.714 | 0.692 | 12.70 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.362 | 0.267 | 0.320 | 0.354 | 0.351 | 0.331 | 11.89 |
| 36) | T | 1,1-Dichloropr... | 0.446 | 0.477 | 0.486 | 0.477 | 0.500 | 0.480 | 0.478 | 3.73 |
| 37) | T | Ethyl Acetate | 0.443 | 0.404 | 0.440 | 0.431 | 0.468 | 0.459 | 0.441 | 5.11 |
| 38) | T | Carbon Tetrach... | 0.470 | 0.509 | 0.537 | 0.515 | 0.548 | 0.531 | 0.518 | 5.37 |
| 39) | T | Methylcyclohexane | 0.550 | 0.631 | 0.642 | 0.629 | 0.672 | 0.647 | 0.628 | 6.61 |
| 40) | TM | Benzene | 1.218 | 1.431 | 1.477 | 1.417 | 1.509 | 1.427 | 1.413 | 7.22 |
| 41) | T | Methacrylonitrile | 0.190 | 0.207 | 0.242 | 0.239 | 0.267 | 0.266 | 0.235 | 13.31 |
| 42) | TM | 1,2-Dichloroet... | 0.429 | 0.508 | 0.523 | 0.495 | 0.528 | 0.497 | 0.497 | 7.23 |
| 43) | T | Isopropyl Acetate | 0.491 | 0.678 | 0.689 | 0.716 | 0.795 | 0.770 | 0.690 | 15.63 |
| 44) | TM | Trichloroethene | 0.320 | 0.355 | 0.374 | 0.356 | 0.389 | 0.366 | 0.360 | 6.47 |
| 45) | C | 1,2-Dichloropr... | 0.305 | 0.347 | 0.372 | 0.346 | 0.374 | 0.357 | 0.350 | 7.18# |
| 46) | T | Dibromomethane | 0.228 | 0.243 | 0.260 | 0.251 | 0.270 | 0.259 | 0.252 | 5.92 |
| 47) | T | Bromodichlorom... | 0.404 | 0.510 | 0.545 | 0.522 | 0.562 | 0.540 | 0.514 | 11.07 |
| 48) | T | Methyl methacr... | 0.232 | 0.316 | 0.352 | 0.370 | 0.409 | 0.396 | 0.346 | 18.71 |
| 49) | T | 1,4-Dioxane | 0.001 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 42.21 |
| 50) | S | Toluene-d8 | | 1.342 | 0.973 | 1.144 | 1.250 | 1.234 | 1.189 | 11.72 |
| 51) | T | 4-Methyl-2-Pen... | 0.322 | 0.408 | 0.414 | 0.426 | 0.460 | 0.439 | 0.411 | 11.62 |
| 52) | CM | Toluene | 0.750 | 0.884 | 0.927 | 0.888 | 0.927 | 0.881 | 0.876 | 7.43# |
| 53) | T | t-1,3-Dichloro... | 0.355 | 0.438 | 0.484 | 0.488 | 0.555 | 0.540 | 0.477 | 15.29 |
| 54) | T | cis-1,3-Dichlo... | 0.436 | 0.516 | 0.555 | 0.548 | 0.603 | 0.589 | 0.541 | 11.13 |
| 55) | T | 1,1,2-Trichlor... | 0.287 | 0.330 | 0.341 | 0.326 | 0.347 | 0.329 | 0.327 | 6.43 |
| 56) | T | Ethyl methacry... | 0.327 | 0.465 | 0.493 | 0.507 | 0.560 | 0.540 | 0.482 | 17.24 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.497 | 0.575 | 0.576 | 0.562 | 0.600 | 0.563 | 0.562 | 6.16 |
| 58) | T | 2-Chloroethyl ... | 0.167 | 0.241 | 0.235 | 0.281 | 0.296 | 0.282 | 0.250 | 18.96 |
| 59) | T | 2-Hexanone | 0.214 | 0.285 | 0.285 | 0.297 | 0.320 | 0.305 | 0.284 | 13.04 |
| 60) | T | Dibromochlorom... | 0.318 | 0.380 | 0.402 | 0.388 | 0.419 | 0.402 | 0.385 | 9.25 |
| 61) | T | 1,2-Dibromoethane | 0.267 | 0.333 | 0.348 | 0.335 | 0.363 | 0.346 | 0.332 | 10.10 |
| 62) | S | 4-Bromofluorob... | | 0.513 | 0.354 | 0.426 | 0.466 | 0.456 | 0.443 | 13.28 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.341 | 0.345 | 0.353 | 0.340 | 0.360 | 0.339 | 0.346 | 2.43 |
| 65) | PM | Chlorobenzene | 1.005 | 1.114 | 1.148 | 1.091 | 1.165 | 1.100 | 1.104 | 5.09 |
| 66) | T | 1,1,1,2-Tetrac... | 0.302 | 0.358 | 0.398 | 0.373 | 0.408 | 0.386 | 0.371 | 10.22 |
| 67) | C | Ethyl Benzene | 1.696 | 1.905 | 2.030 | 1.933 | 2.062 | 1.945 | 1.929 | 6.68# |
| 68) | T | m/p-Xylenes | 0.635 | 0.705 | 0.764 | 0.724 | 0.765 | 0.718 | 0.719 | 6.68 |
| 69) | T | o-Xylene | 0.498 | 0.686 | 0.729 | 0.692 | 0.739 | 0.698 | 0.673 | 13.15 |
| 70) | T | Styrene | 0.993 | 1.144 | 1.256 | 1.208 | 1.267 | 1.203 | 1.179 | 8.57 |
| 71) | P | Bromoform | 0.226 | 0.268 | 0.295 | 0.287 | 0.315 | 0.304 | 0.282 | 11.35 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.048 | 3.593 | 3.914 | 3.723 | 4.004 | 3.814 | 3.682 | 9.31 |
| 74) | T | N-amyl acetate | 0.927 | 1.237 | 1.455 | 1.467 | 1.660 | 1.625 | 1.395 | 19.64 |
| 75) | P | 1,1,2,2-Tetrac... | 0.816 | 1.037 | 1.075 | 1.044 | 1.124 | 1.074 | 1.028 | 10.56 |
| 76) | T | 1,2,3-Trichlor... | 0.650 | 0.959 | 1.066 | 0.990 | 0.938 | 0.892 | 0.916 | 15.58 |
| 77) | T | Bromobenzene | 0.744 | 0.861 | 0.953 | 0.892 | 0.956 | 0.911 | 0.886 | 8.87 |
| 78) | T | n-propylbenzene | 3.642 | 4.243 | 4.682 | 4.430 | 4.737 | 4.509 | 4.374 | 9.16 |
| 79) | T | 2-Chlorotoluene | 2.363 | 2.596 | 2.736 | 2.586 | 2.770 | 2.618 | 2.611 | 5.50 |
| 80) | T | 1,3,5-Trimethy... | 2.497 | 2.888 | 3.297 | 3.072 | 3.294 | 3.108 | 3.026 | 9.94 |
| 81) | T | trans-1,4-Dich... | | 0.264 | 0.297 | 0.311 | 0.367 | 0.381 | 0.324 | 15.12 |
| 82) | T | 4-Chlorotoluene | 2.734 | 2.980 | 3.255 | 3.024 | 3.227 | 3.066 | 3.048 | 6.21 |
| 83) | T | tert-Butylbenzene | 2.658 | 3.043 | 3.316 | 3.122 | 3.395 | 3.234 | 3.128 | 8.41 |
| 84) | T | 1,2,4-Trimethy... | 2.455 | 2.992 | 3.270 | 3.061 | 3.302 | 3.162 | 3.040 | 10.20 |
| 85) | T | sec-Butylbenzene | 3.301 | 3.920 | 4.198 | 3.999 | 4.272 | 4.030 | 3.953 | 8.73 |
| 86) | T | p-Isopropyltol... | 2.905 | 3.275 | 3.526 | 3.340 | 3.574 | 3.394 | 3.336 | 7.17 |
| 87) | T | 1,3-Dichlorobe... | 1.694 | 1.703 | 1.787 | 1.678 | 1.786 | 1.719 | 1.728 | 2.74 |
| 88) | T | 1,4-Dichlorobe... | 1.932 | 1.743 | 1.830 | 1.653 | 1.789 | 1.702 | 1.775 | 5.59 |
| 89) | T | n-Butylbenzene | 2.986 | 2.970 | 3.284 | 3.154 | 3.415 | 3.194 | 3.167 | 5.43 |
| 90) | T | Hexachloroethane | 0.522 | 0.523 | 0.601 | 0.584 | 0.647 | 0.627 | 0.584 | 8.97 |
| 91) | T | 1,2-Dichlorobe... | 1.460 | 1.604 | 1.701 | 1.592 | 1.703 | 1.627 | 1.615 | 5.55 |
| 92) | T | 1,2-Dibromo-3-... | 0.134 | 0.196 | 0.205 | 0.211 | 0.235 | 0.237 | 0.203 | 18.57 |
| 93) | T | 1,2,4-Trichlor... | 1.170 | 1.040 | 1.138 | 1.127 | 1.253 | 1.160 | 1.148 | 5.99 |
| 94) | T | Hexachlorobuta... | 0.495 | 0.490 | 0.501 | 0.479 | 0.512 | 0.420 | 0.483 | 6.78 |
| 95) | T | Naphthalene | 2.636 | 2.887 | 3.301 | 3.335 | 3.744 | 3.720 | 3.270 | 13.54 |
| 96) | T | 1,2,3-Trichlor... | 0.957 | 1.062 | 1.129 | 1.082 | 1.206 | 1.153 | 1.098 | 7.87 |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
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 :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 130530 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 217019 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195782 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 100990 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 10456 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 11.580%# | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 7865 | 5.478 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.960%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 29120 | 5.645 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 11.280%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 11137 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 11.580%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 6051 | 4.342 | ug/l | | 99 |
| 3) Chloromethane | 1.307 | 50 | 7066 | 4.698 | ug/l | | 90 |
| 4) Vinyl Chloride | 1.386 | 62 | 7425 | 4.629 | ug/l | | 99 |
| 5) Bromomethane | 1.617 | 94 | 4837 | 5.360 | ug/l | | 95 |
| 6) Chloroethane | 1.703 | 64 | 4575 | 4.706 | ug/l | | 92 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 11714 | 4.810 | ug/l | | 92 |
| 8) Diethyl Ether | 2.148 | 74 | 4038 | 4.831 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 7353 | 4.921 | ug/l | | 96 |
| 10) Methyl Iodide | 2.465 | 142 | 5830 | 7.181 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 3134 | 19.340 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 6884 | 4.775 | ug/l | | 91 |
| 13) Acrolein | 2.251 | 56 | 6208 | 26.301 | ug/l | | 100 |
| 14) Allyl chloride | 2.678 | 41 | 12195 | 4.668 | ug/l | | 99 |
| 15) Acrylonitrile | 3.081 | 53 | 17611 | 24.169 | ug/l | | 99 |
| 16) Acetone | 2.392 | 43 | 14275 | 23.710 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 19624 | 4.507 | ug/l | | 100 |
| 18) Methyl Acetate | 2.721 | 43 | 7530 | 4.924 | ug/l | | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 21254 | 4.734 | ug/l | | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 8556 | 5.110 | ug/l | | 97 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 7425 | 4.813 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.769 | 45 | 24580 | 4.895 | ug/l | # | 67 |
| 23) Vinyl Acetate | 3.739 | 43 | 92889 | 23.264 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 13761 | 4.827 | ug/l | | 99 |
| 25) 2-Butanone | 4.580 | 43 | 20821 | 24.452 | ug/l | | 97 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 10020 | 4.819 | ug/l | | 96 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 8891 | 4.906 | ug/l | | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 6884 | 5.326 | ug/l | # | 96 |
| 29) Tetrahydrofuran | 5.025 | 42 | 13402 | 24.367 | ug/l | | 99 |
| 30) Chloroform | 5.099 | 83 | 14385 | 5.046 | ug/l | | 86 |
| 31) Cyclohexane | 5.483 | 56 | 12835 | 4.748 | ug/l | | 94 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 12150 | 4.859 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 10359 | 4.998 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.733 | 43 | 8763 | 4.580 | ug/l | | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 11043 | 4.909 | ug/l | | 98 |
| 39) Methylcyclohexane | 7.391 | 83 | 13704 | 5.024 | ug/l | # | 87 |
| 40) Benzene | 6.050 | 78 | 31061 | 5.064 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.940 | 41 | 4488 | 4.400 | ug/l | # | 92 |
| 42) 1,2-Dichloroethane | 6.104 | 62 | 11029 | 5.116 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.348 | 43 | 14711 | 4.914 | ug/l | | 97 |
| 44) Trichloroethene | 7.135 | 130 | 7703 | 4.927 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 7529 | 4.952 | ug/l | | 97 |
| 46) Dibromomethane | 7.592 | 93 | 5267 | 4.821 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 11072 | 4.966 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.702 | 41 | 6864 | 4.571 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.671 | 88 | 1949 | 113.091 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 44282 | 24.800 | ug/l | | 97 |
| 52) Toluene | 8.720 | 92 | 19190 | 5.046 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 9497 | 4.591 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 11188 | 4.764 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 7151 | 5.046 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.122 | 69 | 10101 | 4.828 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 12483 | 5.115 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 26158 | 24.071 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 30938 | 25.062 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 8249 | 4.939 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 7221 | 5.009 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 6755 | 4.980 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 21807 | 5.046 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 7006 | 4.823 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 37295 | 4.939 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 27609 | 9.812 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 13421 | 5.090 | ug/l | | 97 |
| 70) Styrene | 10.659 | 104 | 22403 | 4.855 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 5248 | 4.744 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 36281 | 4.878 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 12496 | 4.434 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 10468 | 5.040 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 9687m | 4.722 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 8694 | 4.857 | ug/l | | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 42848 | 4.850 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 26221 | 4.971 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 29167 | 4.772 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 2663 | 4.070 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 30097 | 4.889 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 30728 | 4.864 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30213 | 4.920 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 39588 | 4.958 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 33076 | 4.909 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 17198 | 4.928 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 17600 | 4.910 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 29990 | 4.688 | ug/l | | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 5285 | 4.480 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 16203 | 4.968 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 1982 | 4.834 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 10507 | 4.532 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 4953 | 5.078 | ug/l | | 95 |
| 95) Naphthalene | 13.774 | 128 | 29158 | 4.414 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 10725 | 4.835 | ug/l | | 96 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
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 :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

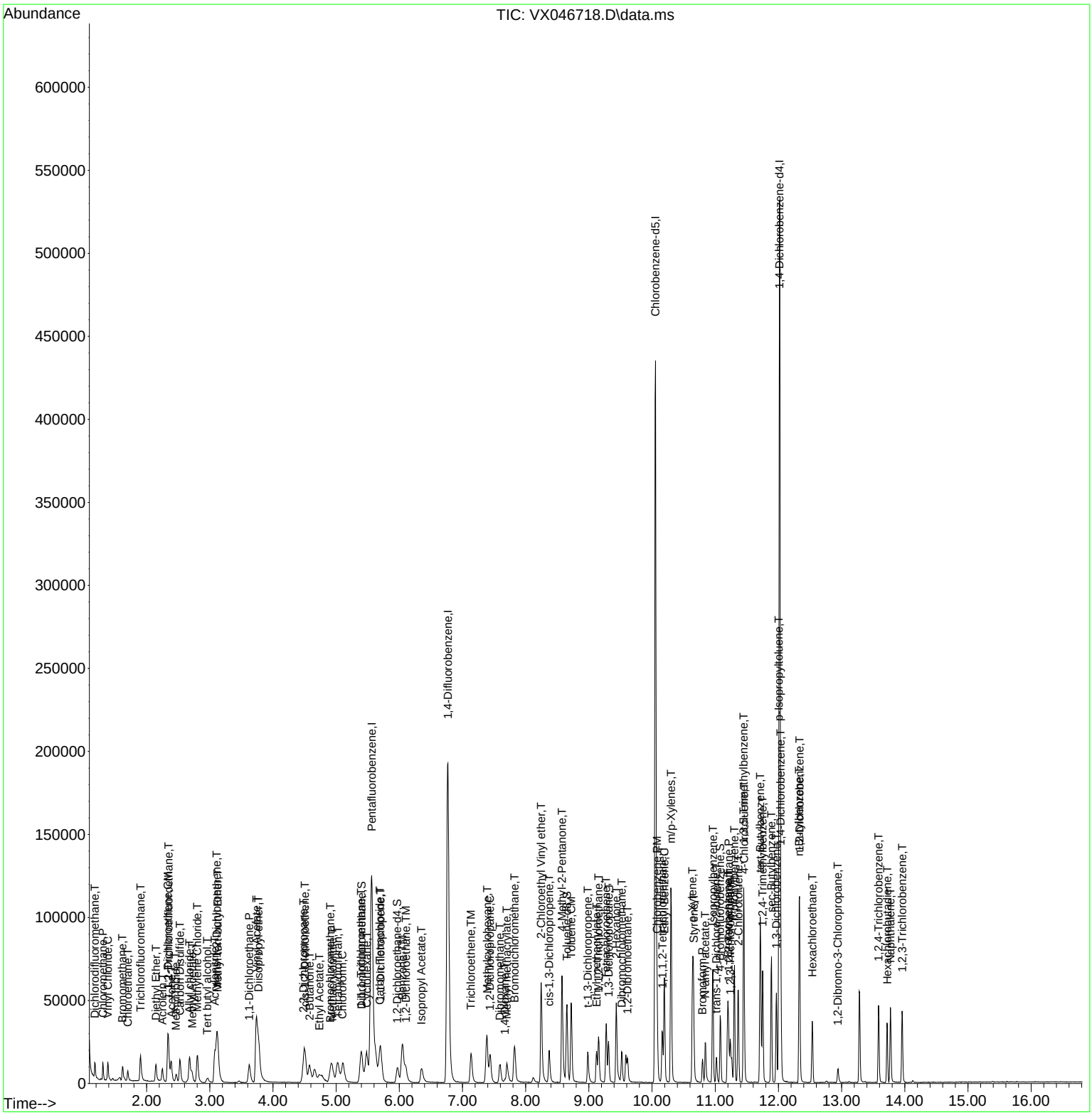
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Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

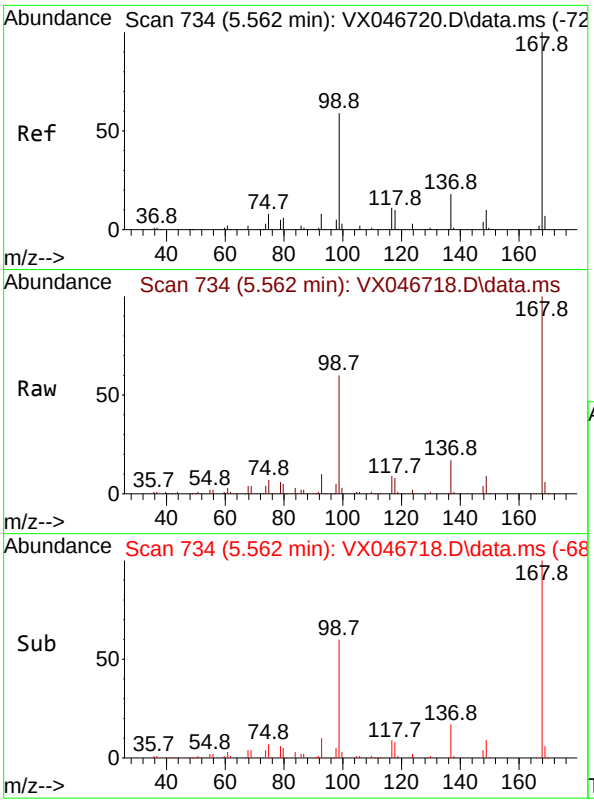
Quant Time: Jun 18 02:37:34 2025
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Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

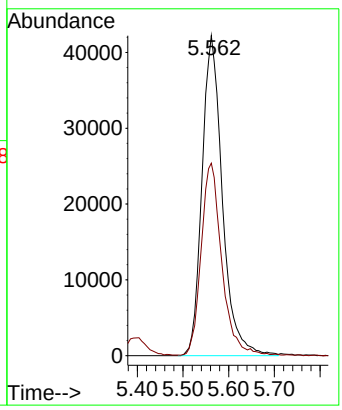





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:168 Resp: 13053

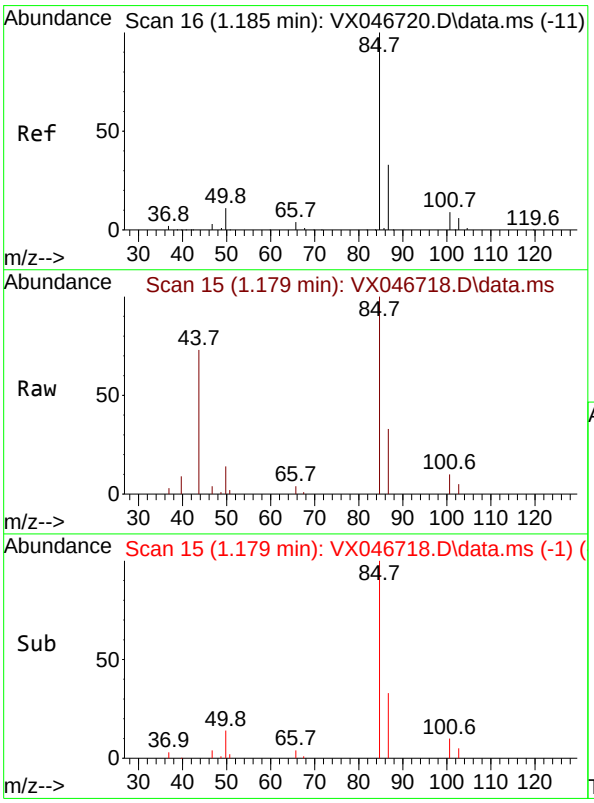
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.0 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

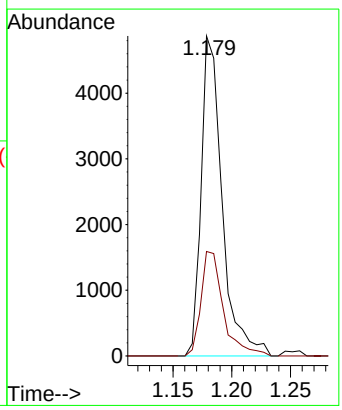
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

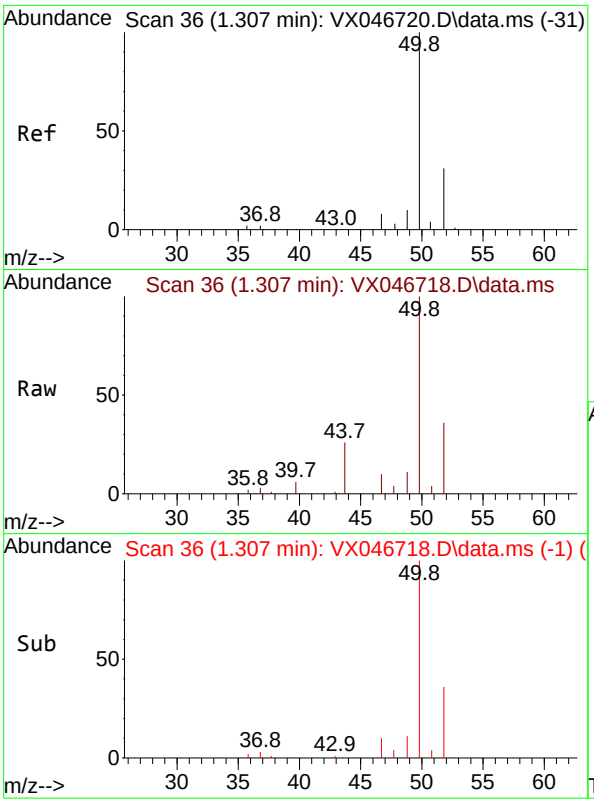



#2
Dichlorodifluoromethane
Concen: 4.342 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 85 Resp: 6051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |

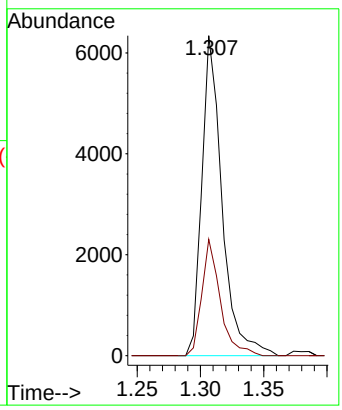





#3
Chloromethane
Concen: 4.698 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 50 Resp: 706

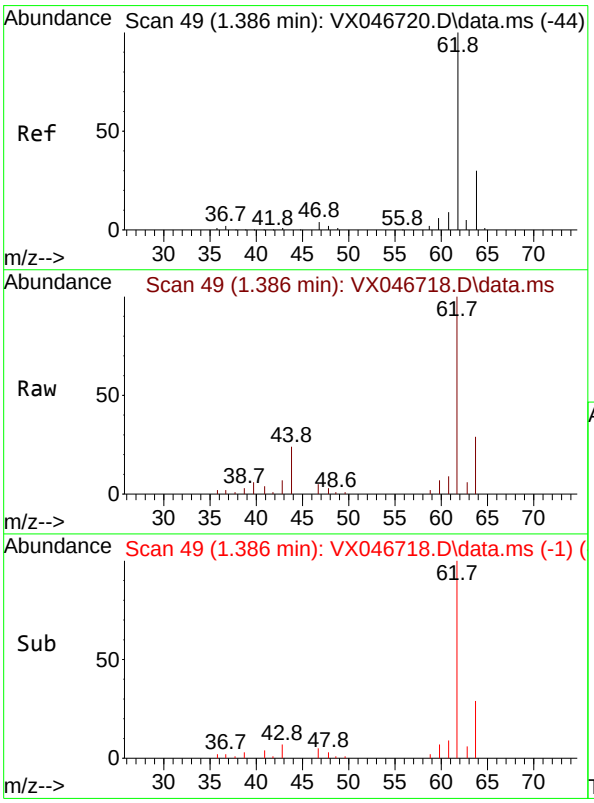
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.4 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

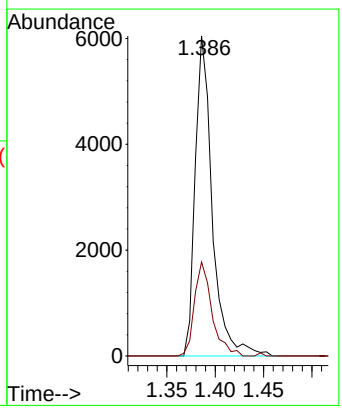
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

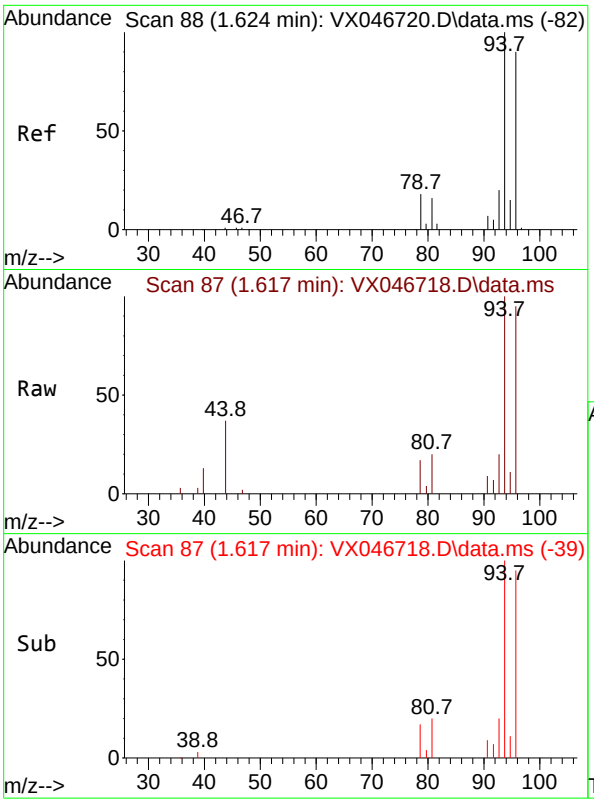



#4
Vinyl Chloride
Concen: 4.629 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 62 Resp: 7425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.3 | 23.9 | 35.9 |

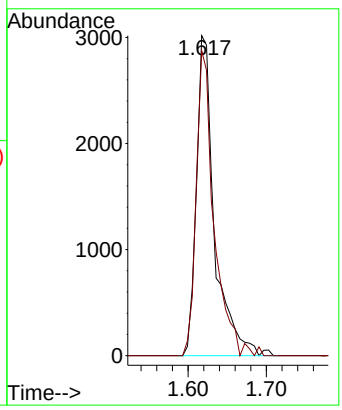





#5
Bromomethane
Concen: 5.360 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 94 Resp: 483

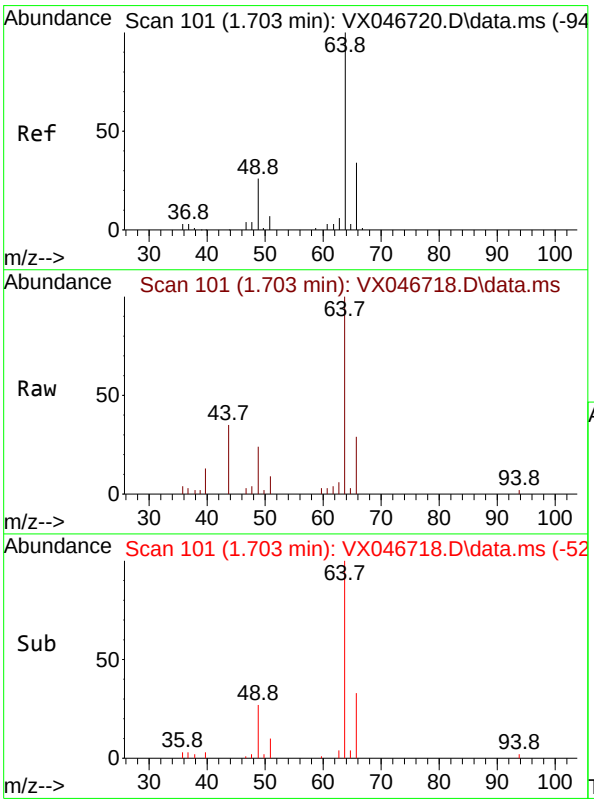
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

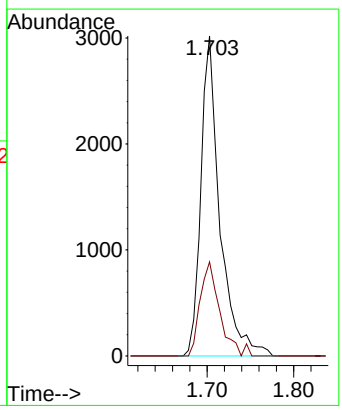
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

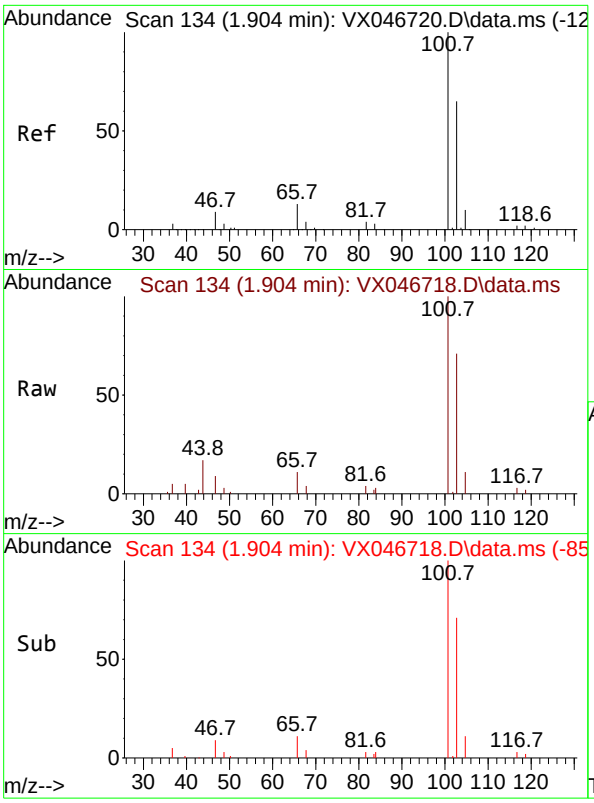



#6
Chloroethane
Concen: 4.706 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 64 Resp: 4575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.4 | 27.1 | 40.7 |

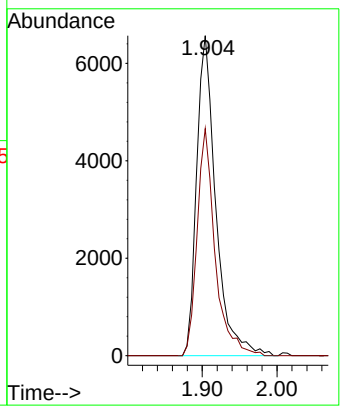





#7
Trichlorofluoromethane
Concen: 4.810 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:101 Resp: 1171

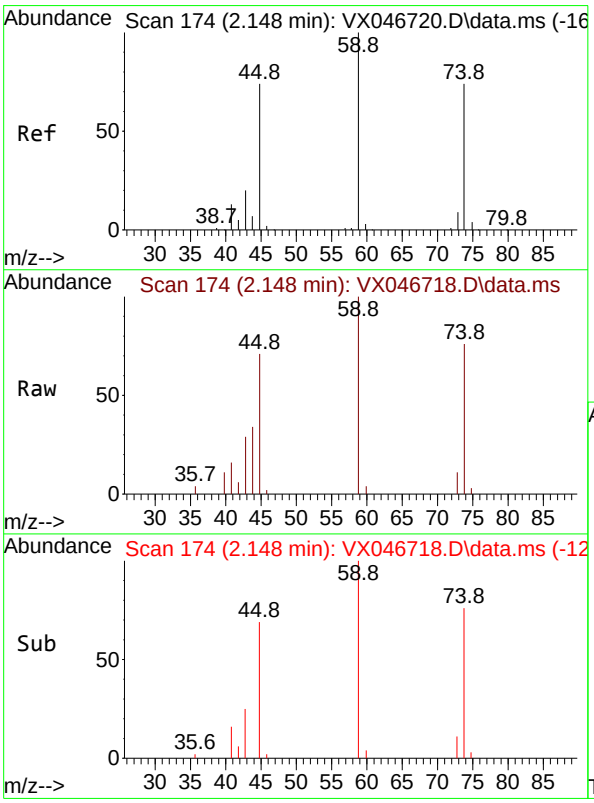
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 70.9 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

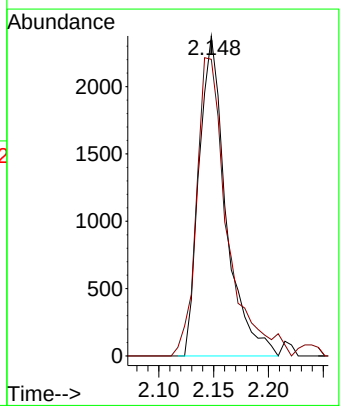
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

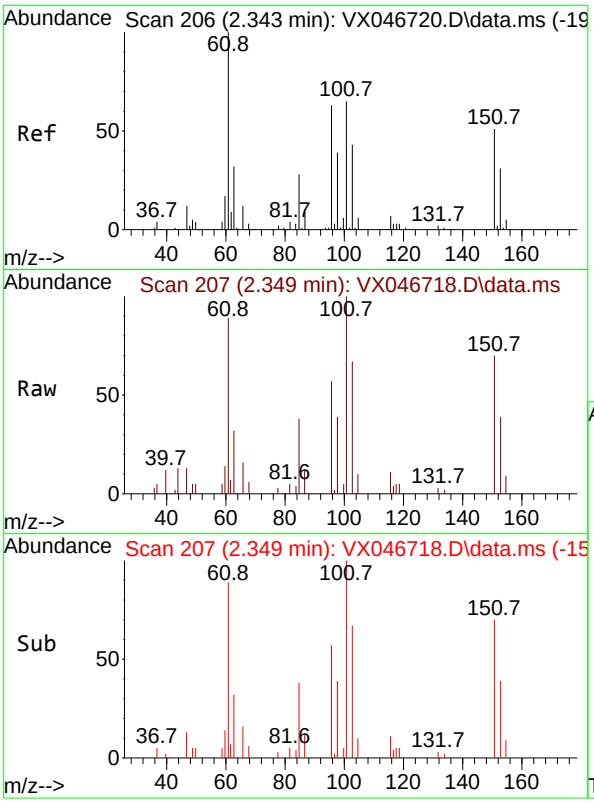



#8
Diethyl Ether
Concen: 4.831 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 74 Resp: 4038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.5 | 52.3 | 157.1 |

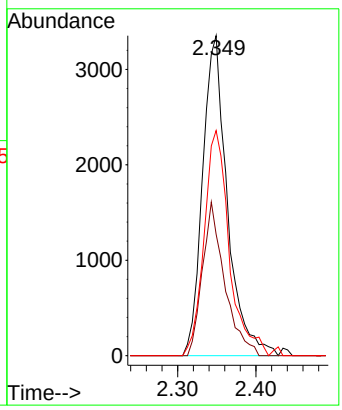





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.921 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:101 Resp: 735

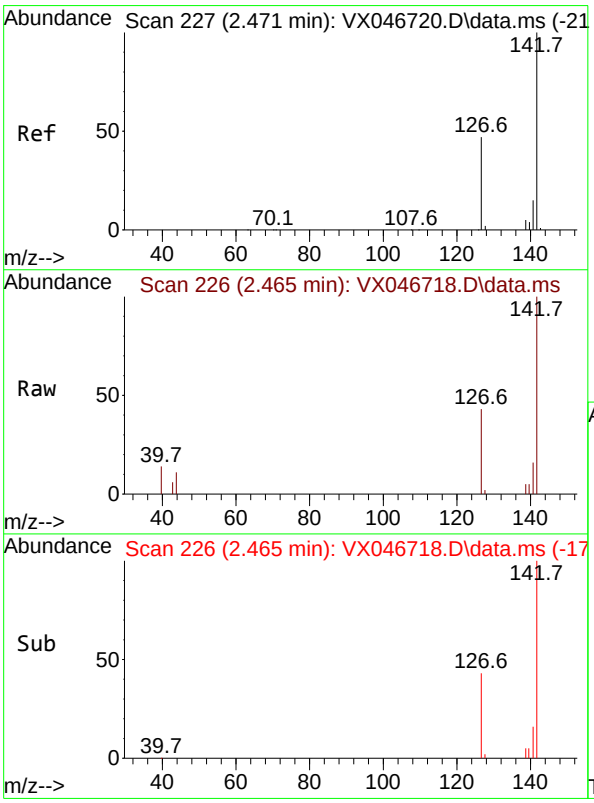
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.4 | 53.0 |
| 151 | 71.5 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

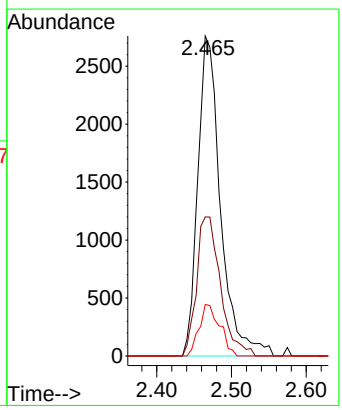
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

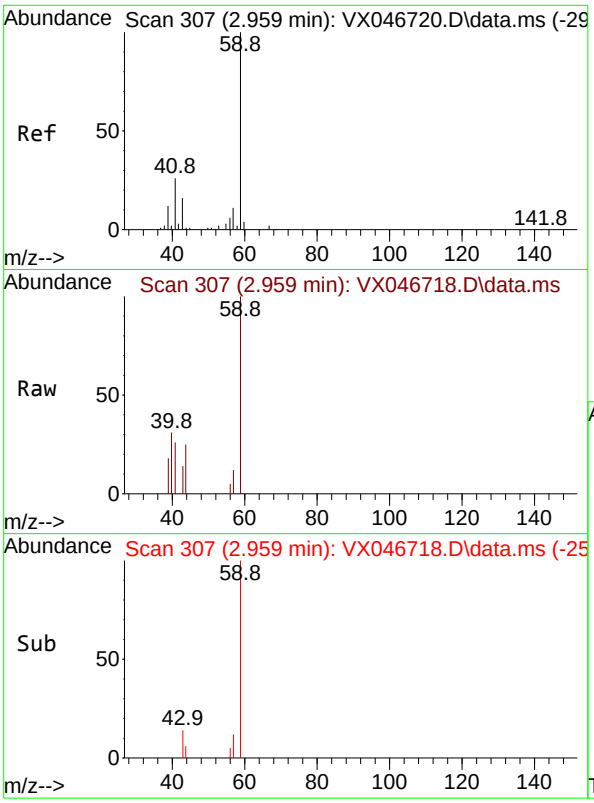



#10
Methyl Iodide
Concen: 7.181 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:142 Resp: 5830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.5 | 37.0 | 55.6 |
| 141 | 14.6 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 19.340 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

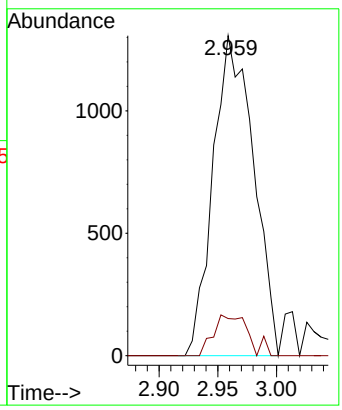
Tgt Ion: 59 Resp: 3134

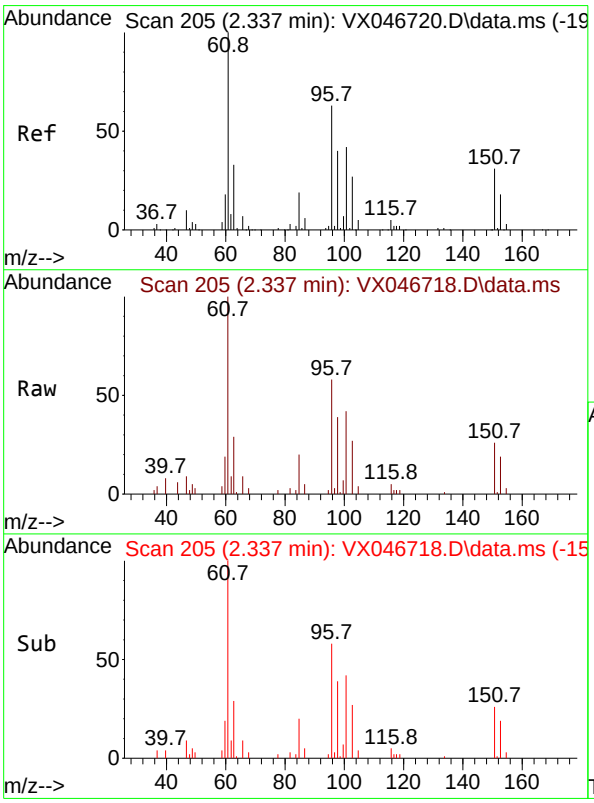
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

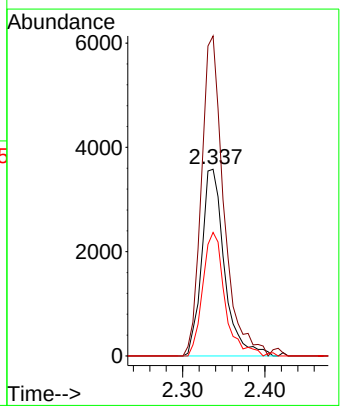


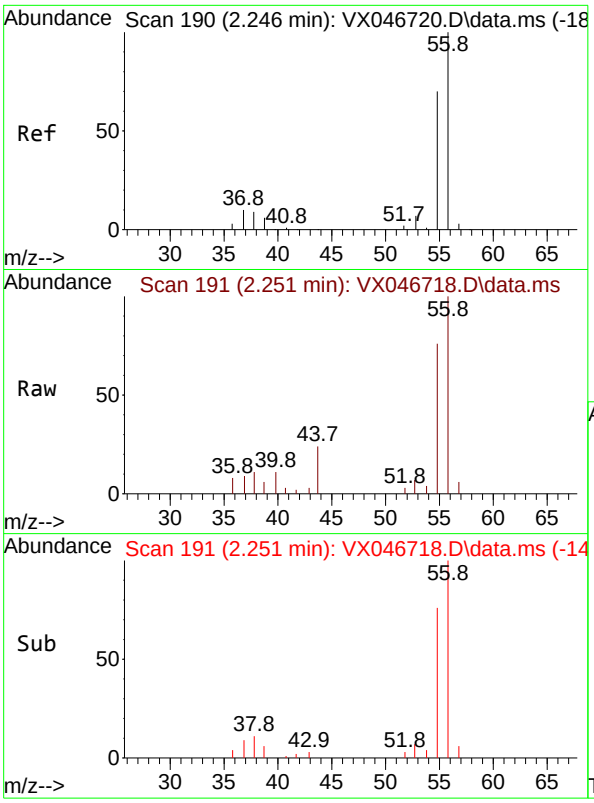




#12
1,1-Dichloroethene
Concen: 4.775 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 96 Resp: 6884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.4 | 126.6 | 189.8 |
| 98 | 68.2 | 50.7 | 76.1 |

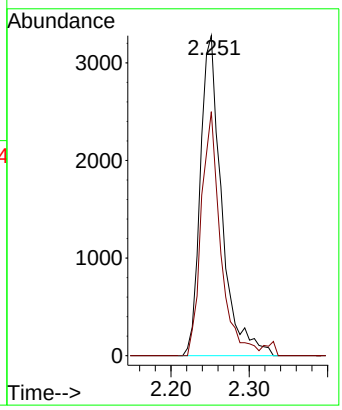





#13
Acrolein
Concen: 26.301 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 56 Resp: 620

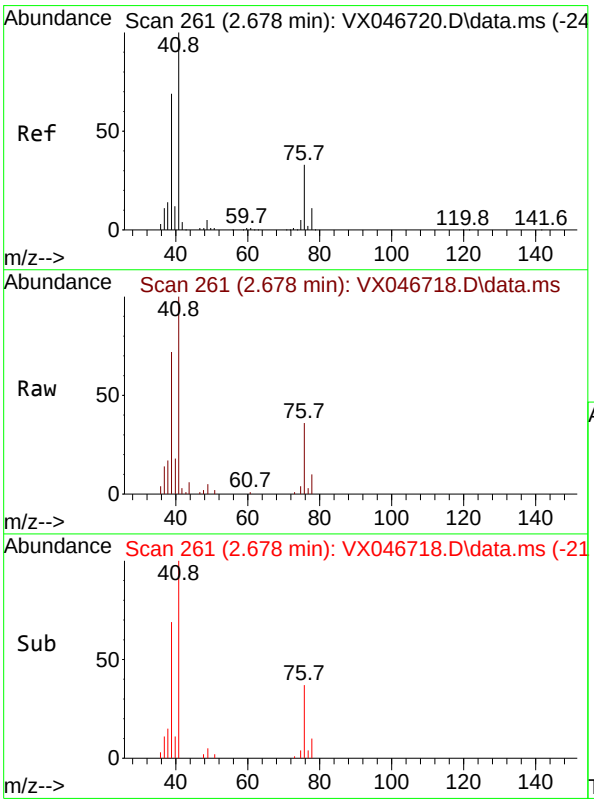
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

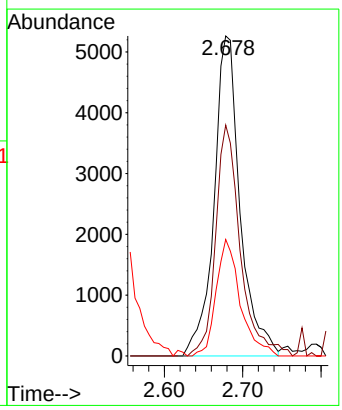
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

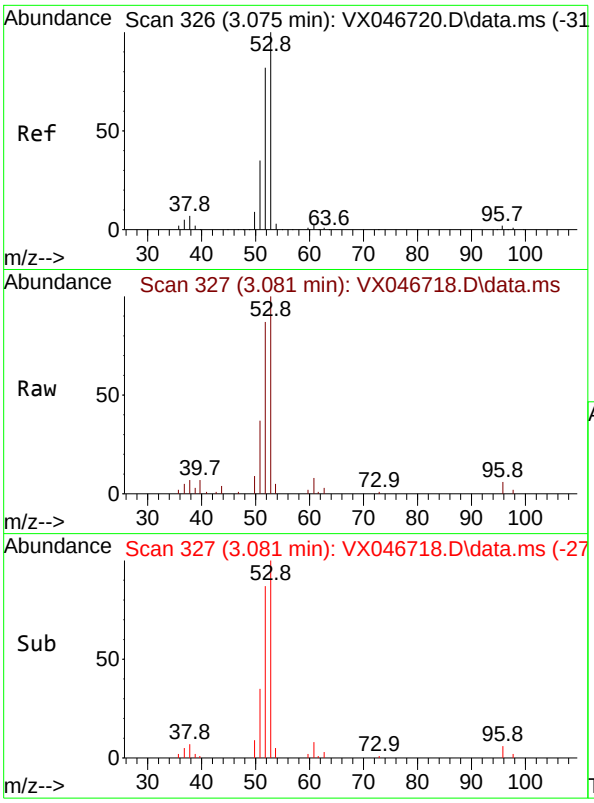



#14
Allyl chloride
Concen: 4.668 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 41 Resp: 12195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.1 | 53.6 | 80.4 |
| 76 | 33.8 | 26.8 | 40.2 |

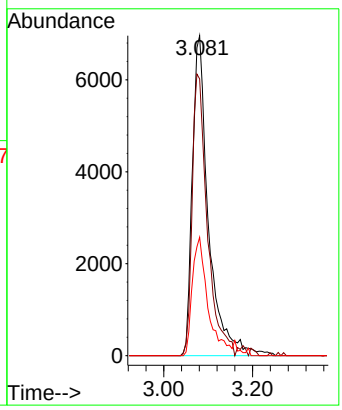





#15
Acrylonitrile
Concen: 24.169 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 53 Resp: 1761

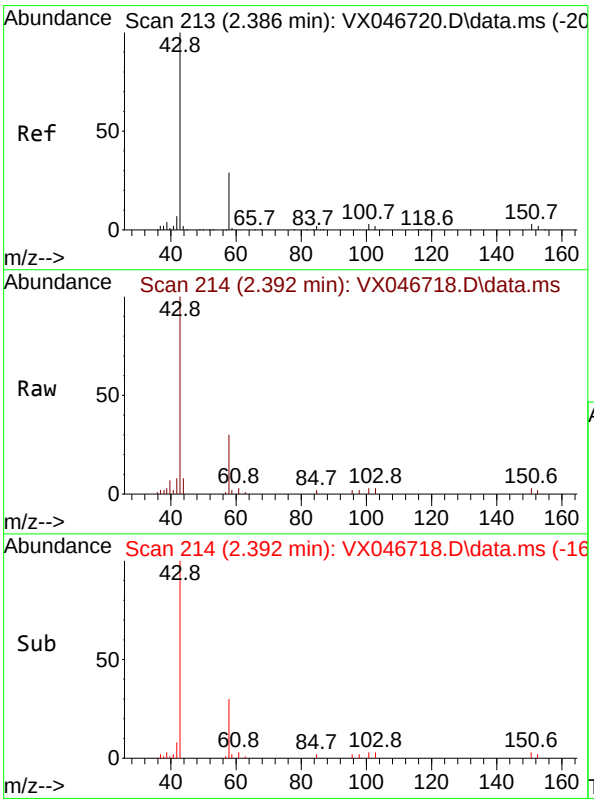
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.8 | 65.1 | 97.7 |
| 51 | 35.6 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

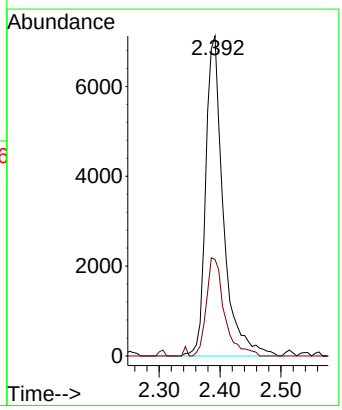
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

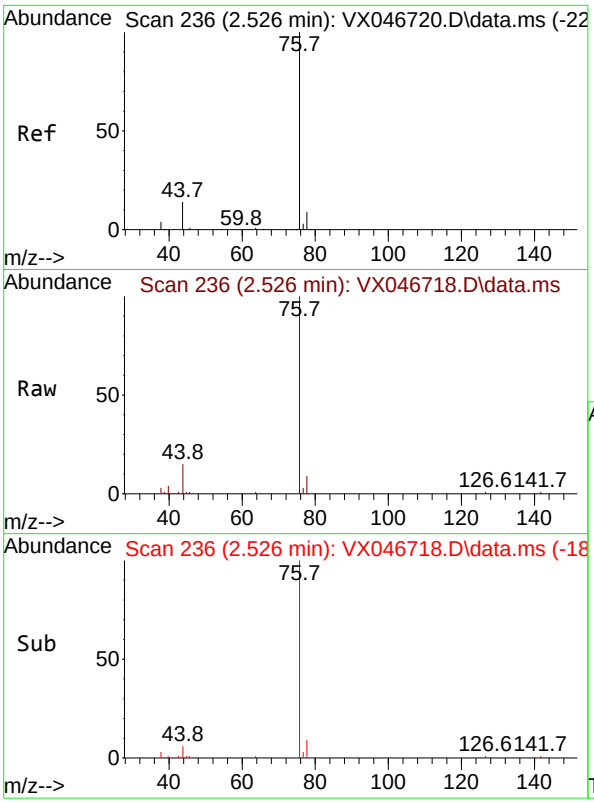



#16
Acetone
Concen: 23.710 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 14275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 4.507 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

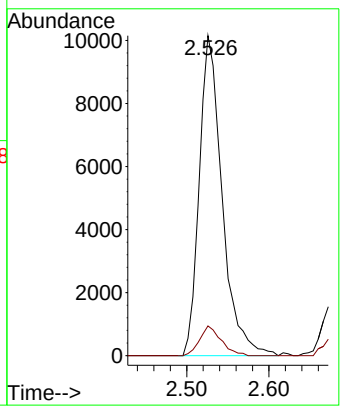
Tgt Ion: 76 Resp: 1962

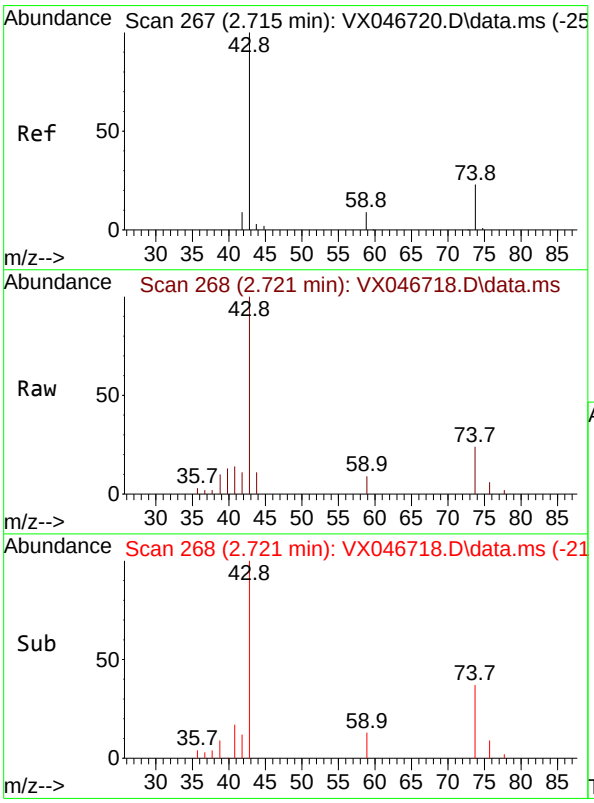
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

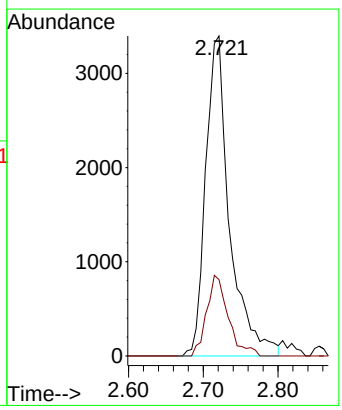


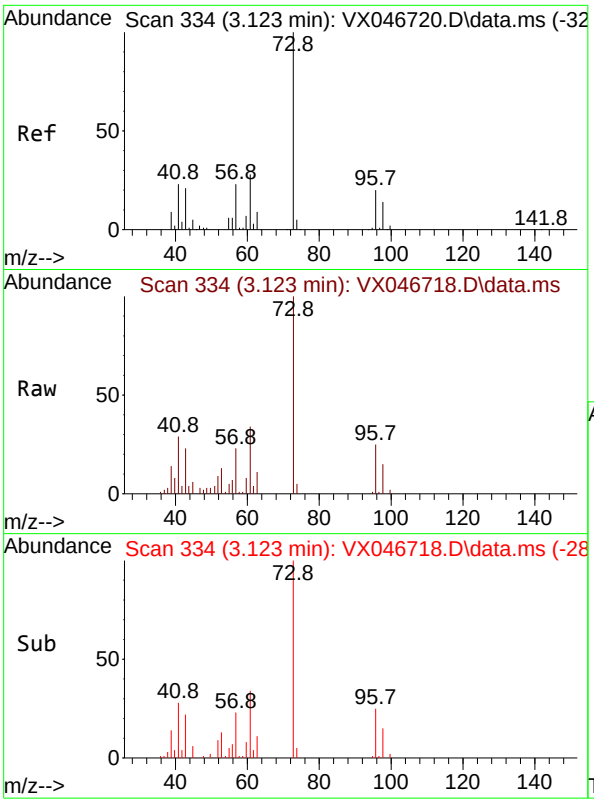




#18
Methyl Acetate
Concen: 4.924 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 7530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 18.4 | 27.6 |

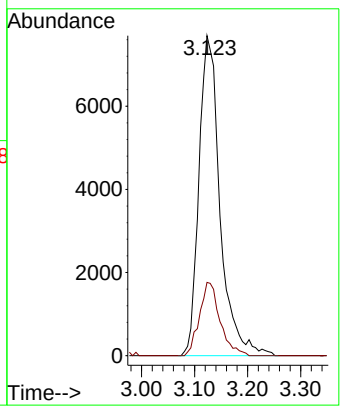





#19
Methyl tert-butyl Ether
Concen: 4.734 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 73 Resp: 2125

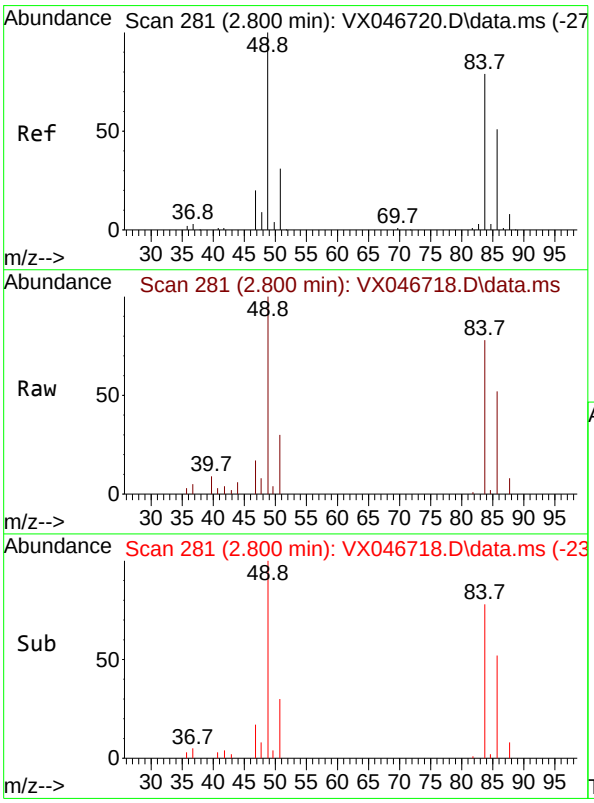
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.0 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

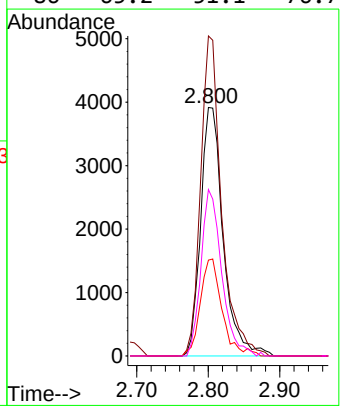
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

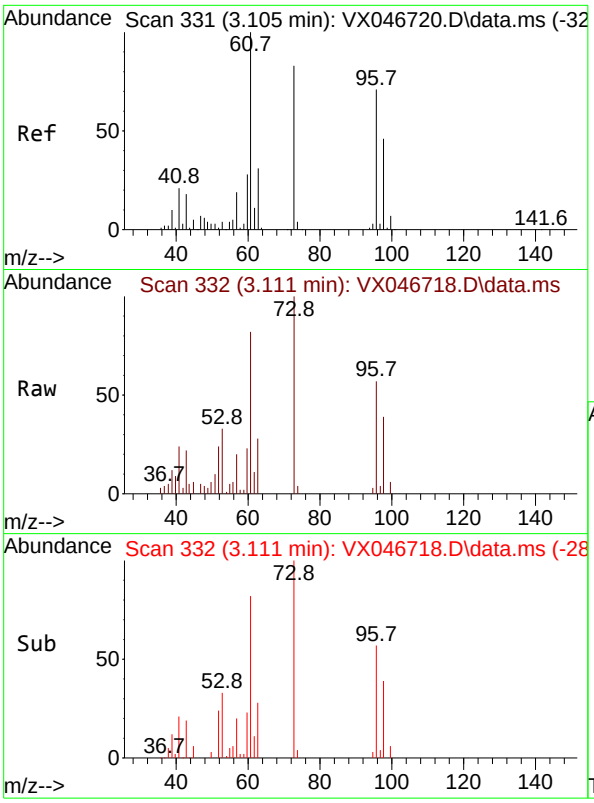



#20
Methylene Chloride
Concen: 5.110 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 84 Resp: 8556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.6 | 101.3 | 151.9 |
| 51 | 37.6 | 31.0 | 46.6 |
| 86 | 65.2 | 51.1 | 76.7 |

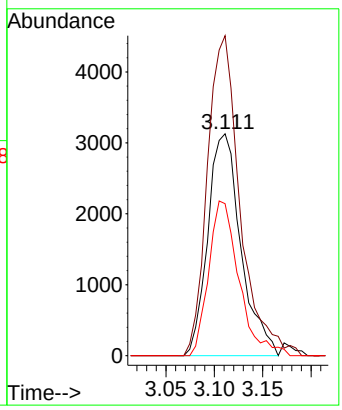





#21
trans-1,2-Dichloroethene
Concen: 4.813 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 96 Resp: 742

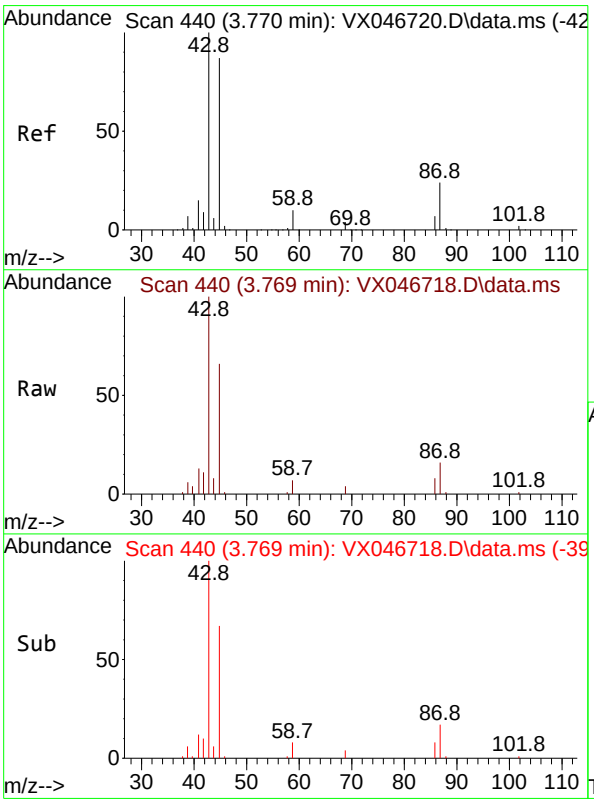
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 112.5 | 168.7 |
| 98 | 68.5 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

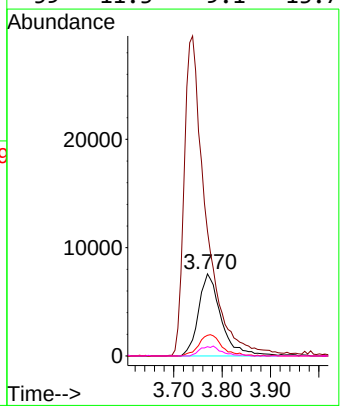
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

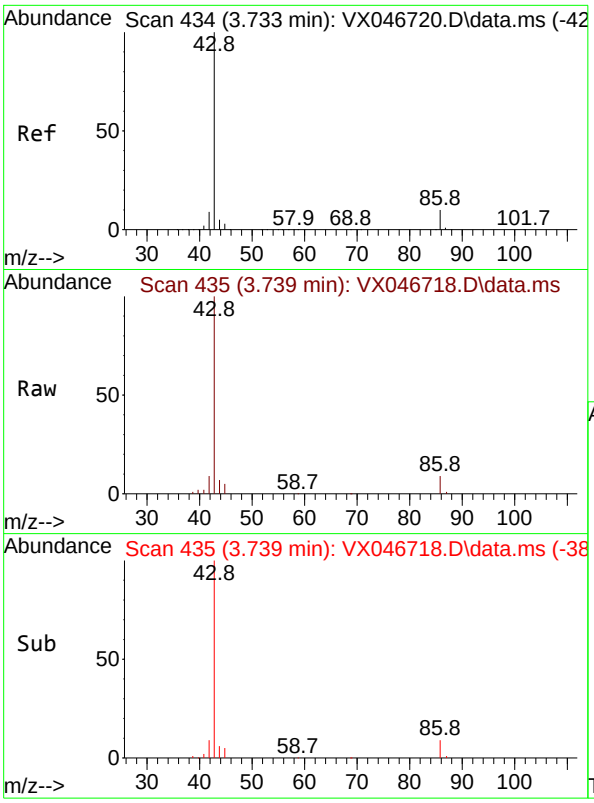



#22
Diisopropyl ether
Concen: 4.895 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 45 Resp: 24580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 160.9 | 91.9 | 137.9# |
| 87 | 25.1 | 22.0 | 33.0 |
| 59 | 11.3 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 23.264 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

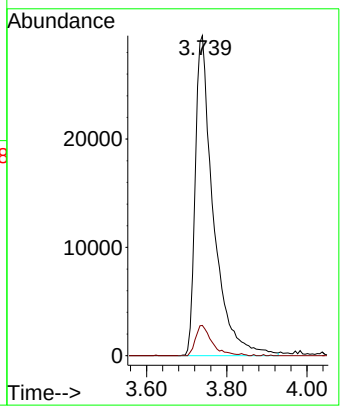
Tgt Ion: 43 Resp: 9288

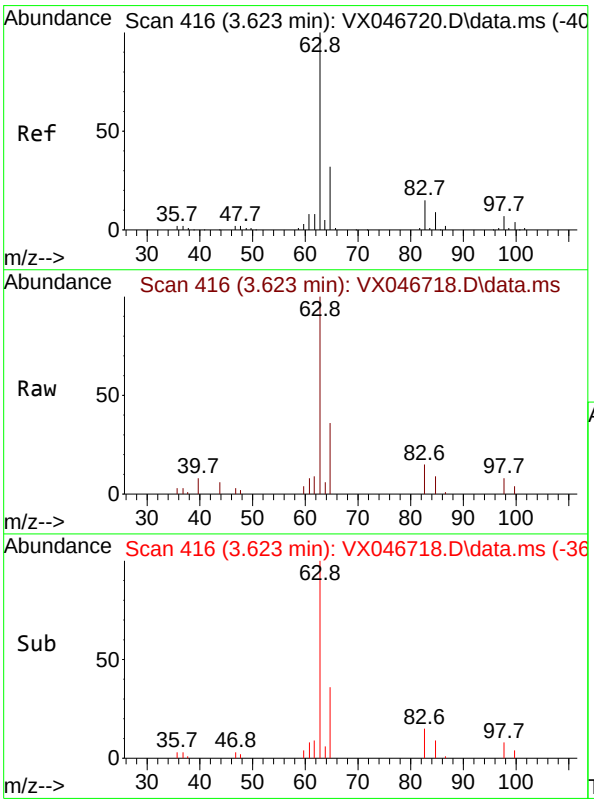
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

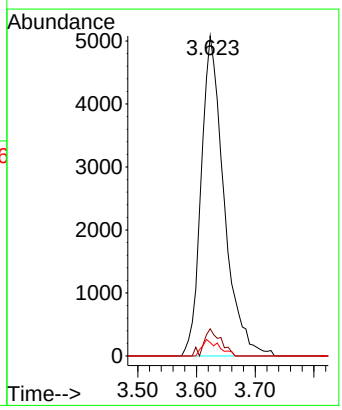


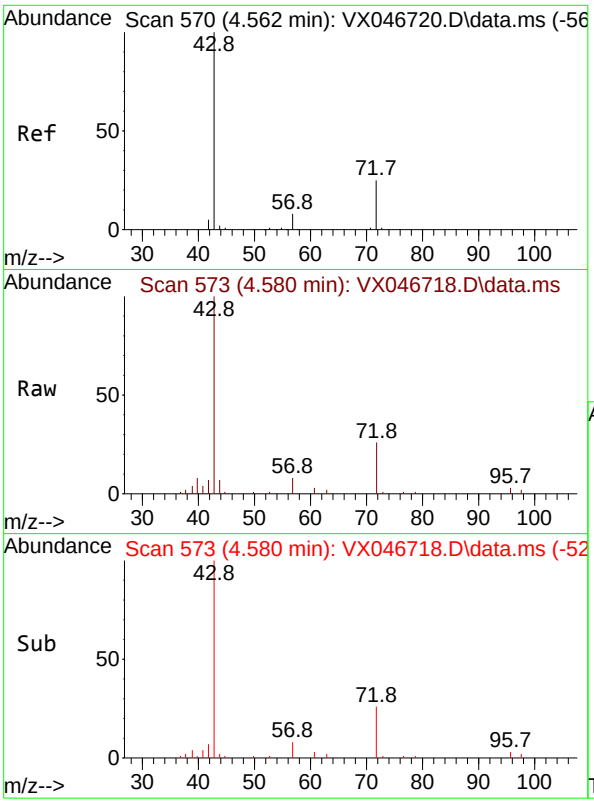




#24
1,1-Dichloroethane
Concen: 4.827 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 63 Resp: 13761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.5 | 4.0 | 11.9 |
| 100 | 4.2 | 2.2 | 6.6 |

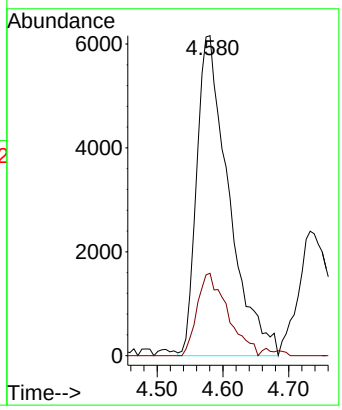





#25
2-Butanone
Concen: 24.452 ug/l
RT: 4.580 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 2082

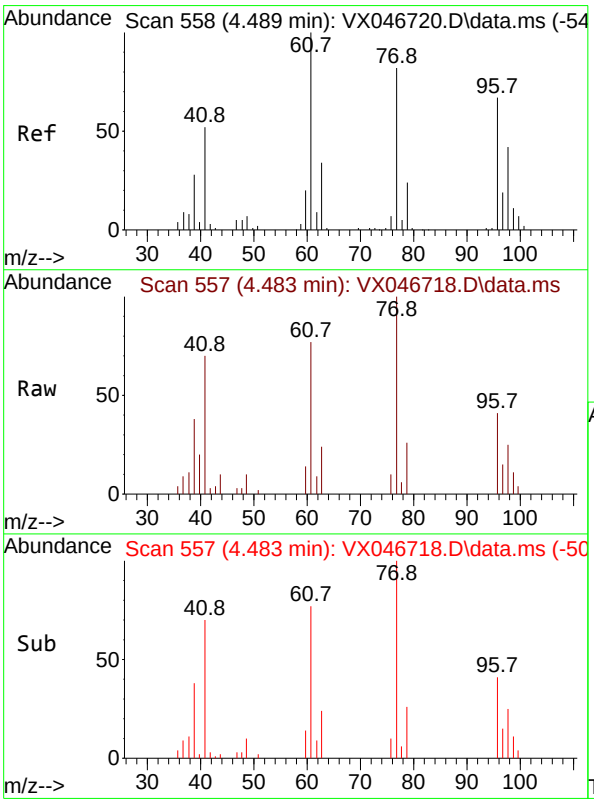
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

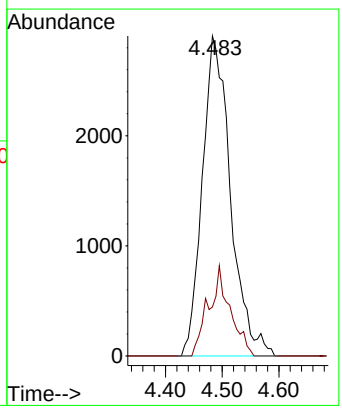
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

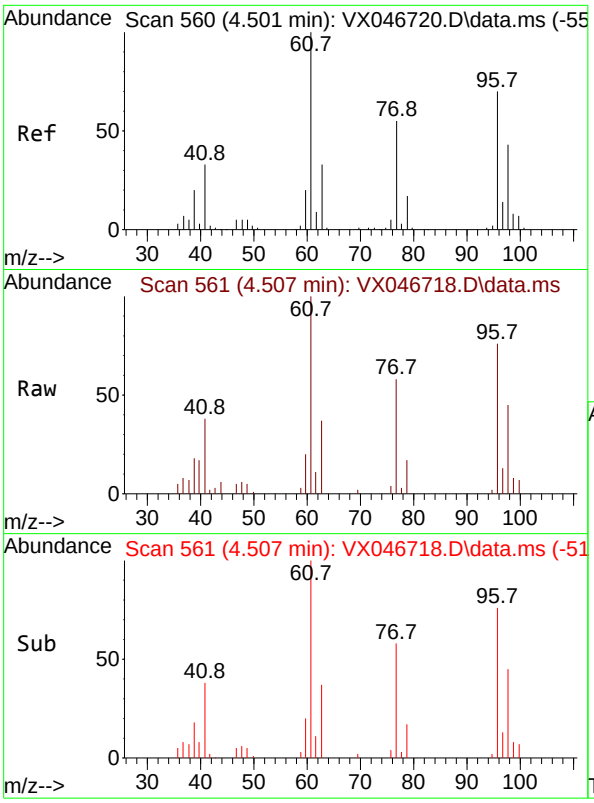



#26
2,2-Dichloropropane
Concen: 4.819 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 77 Resp: 10020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 11.8 | 35.3 |

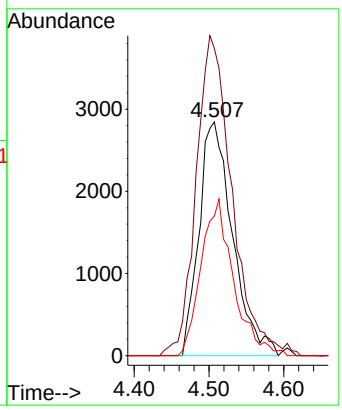





#27
cis-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 96 Resp: 889

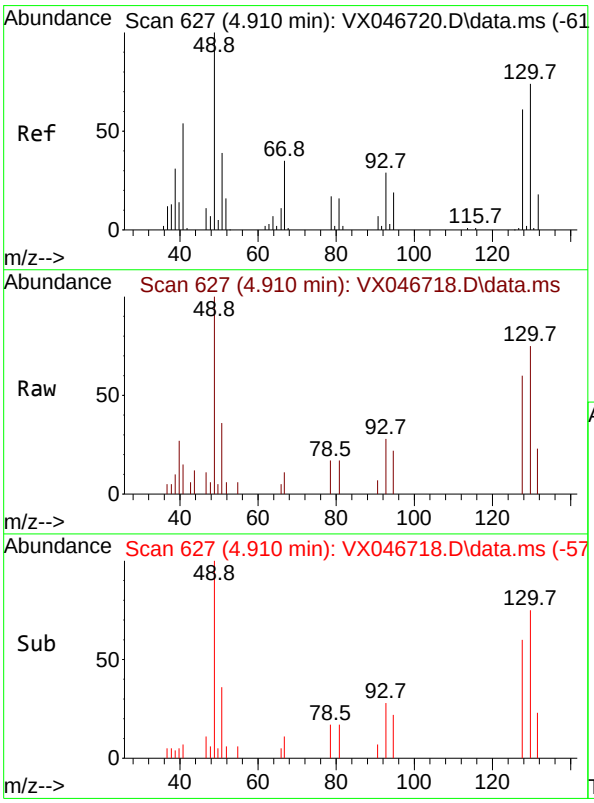
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.2 | 0.0 | 291.0 |
| 98 | 64.6 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

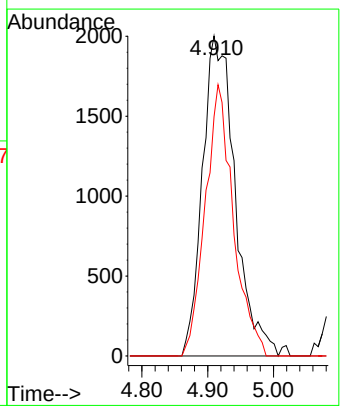
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

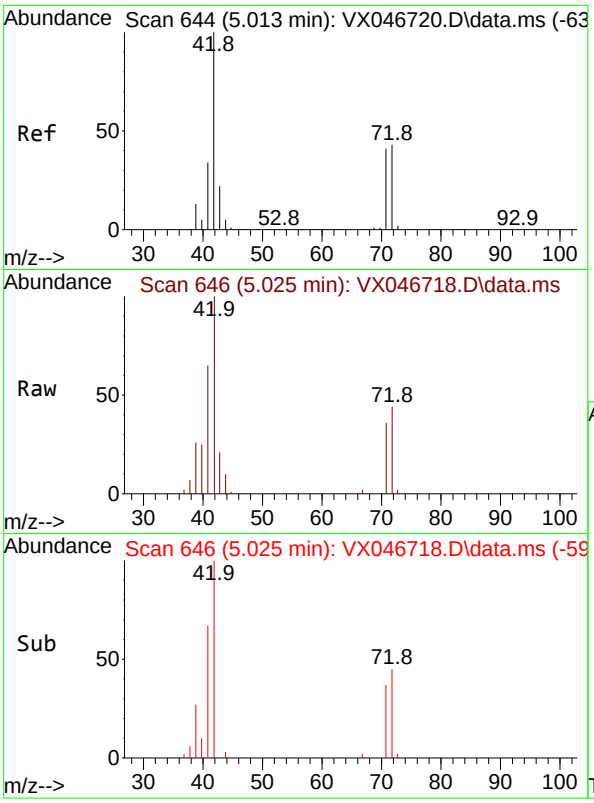



#28
Bromochloromethane
Concen: 5.326 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 49 Resp: 6884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 73.3 | 61.4 | 92.0 |

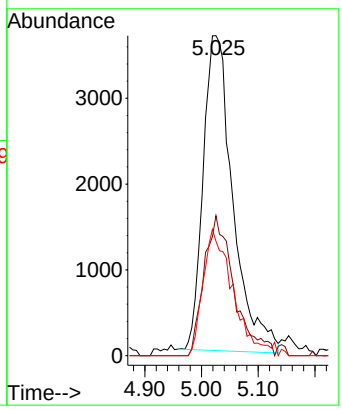





#29
Tetrahydrofuran
Concen: 24.367 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 42 Resp: 1340

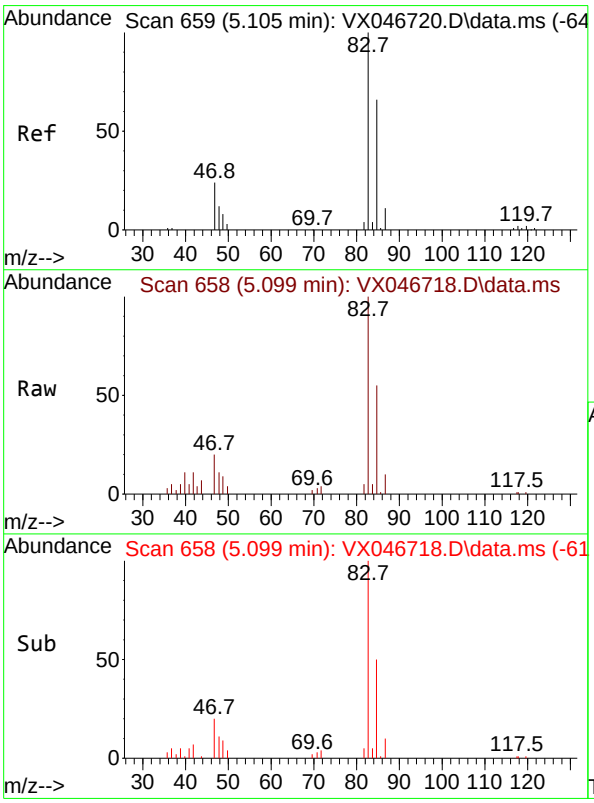
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.7 | 34.9 | 52.3 |
| 71 | 40.5 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

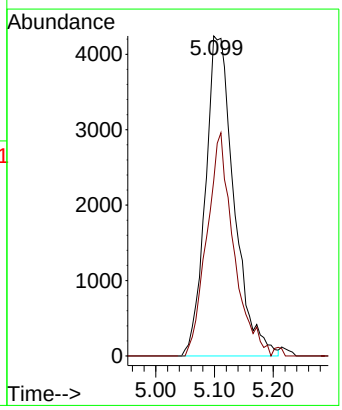
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

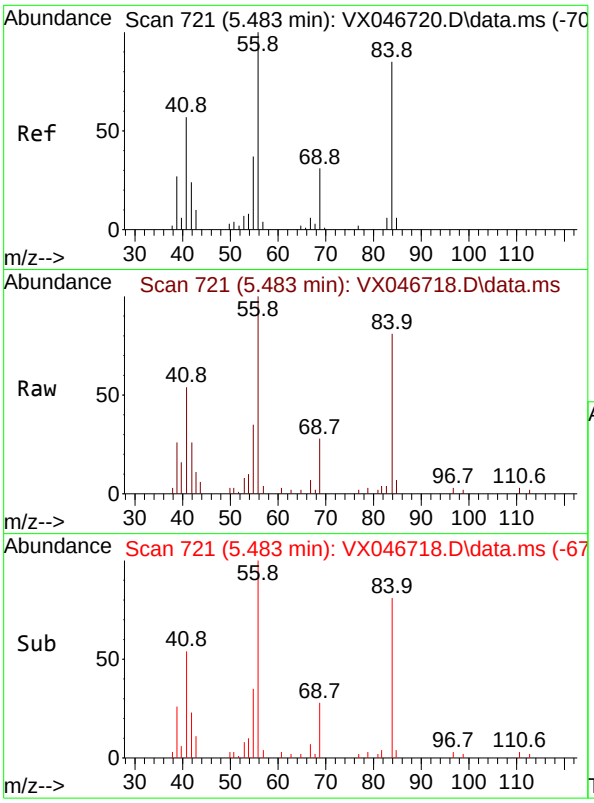



#30
Chloroform
Concen: 5.046 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 83 Resp: 14385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.2 | 53.7 | 80.5 |

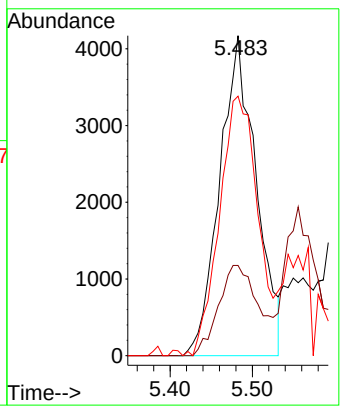





#31
Cyclohexane
Concen: 4.748 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 56 Resp: 1283

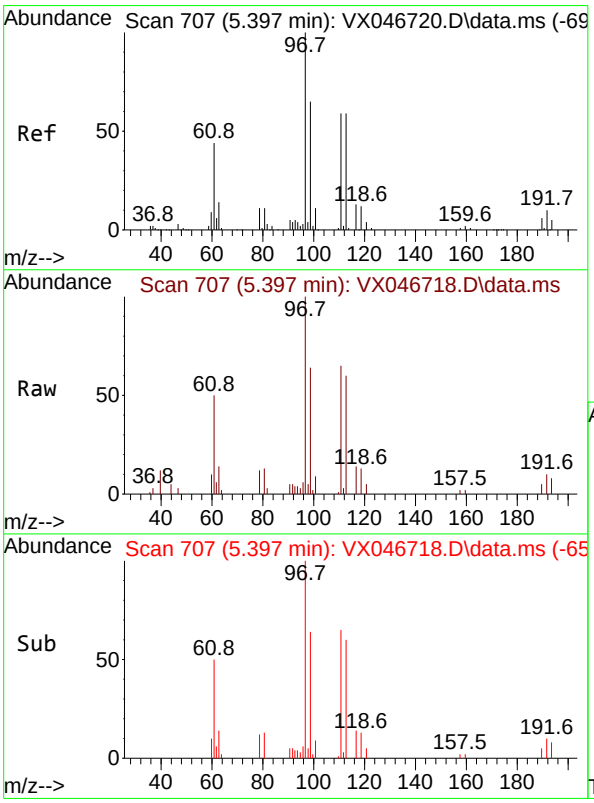
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.2 | 24.8 | 37.2 |
| 84 | 79.6 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

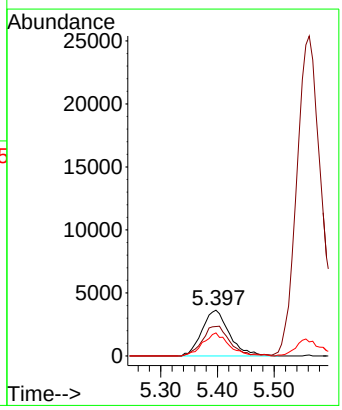
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

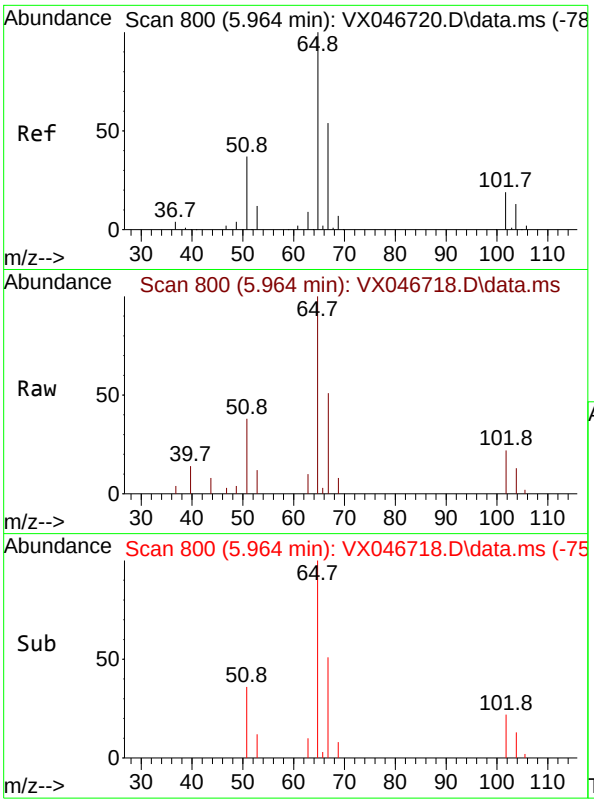



#32
1,1,1-Trichloroethane
Concen: 4.859 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 97 Resp: 12150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 51.3 | 76.9 |
| 61 | 47.8 | 36.4 | 54.6 |

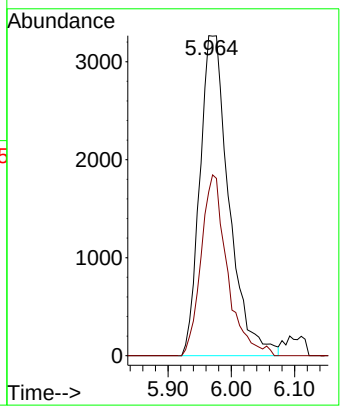





#33
1,2-Dichloroethane-d4
Concen: 5.791 ug/l
RT: 5.964 min Scan# 8(
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 65 Resp: 1045(

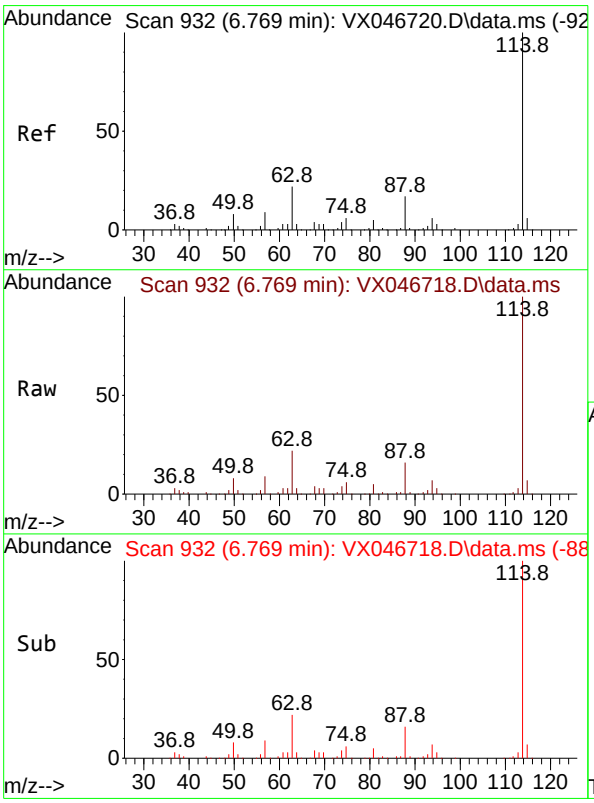
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

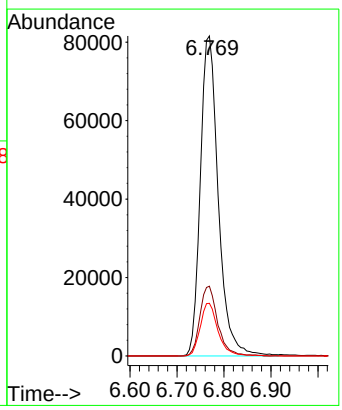
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

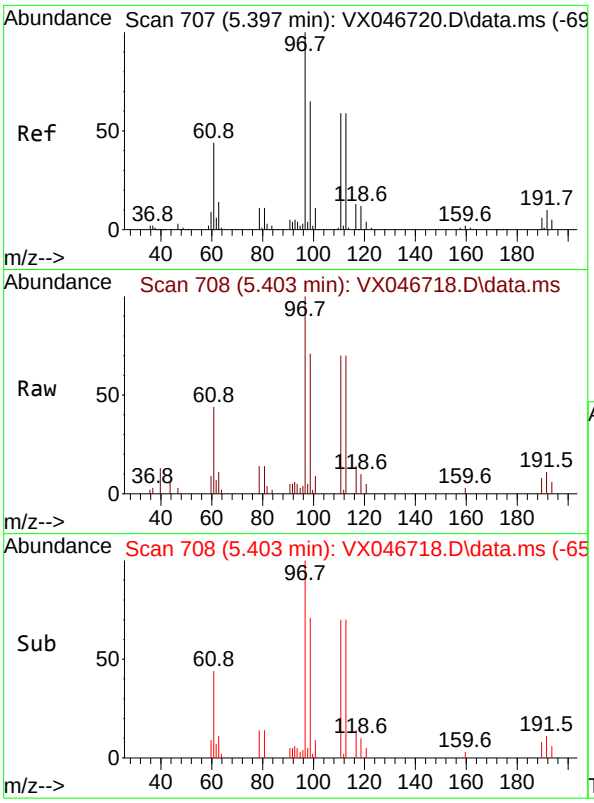



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:114 Resp: 217019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 16.4 | 0.0 | 33.2 |

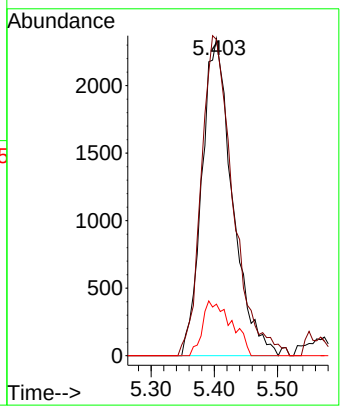





#35
Dibromofluoromethane
Concen: 5.478 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:113 Resp: 786

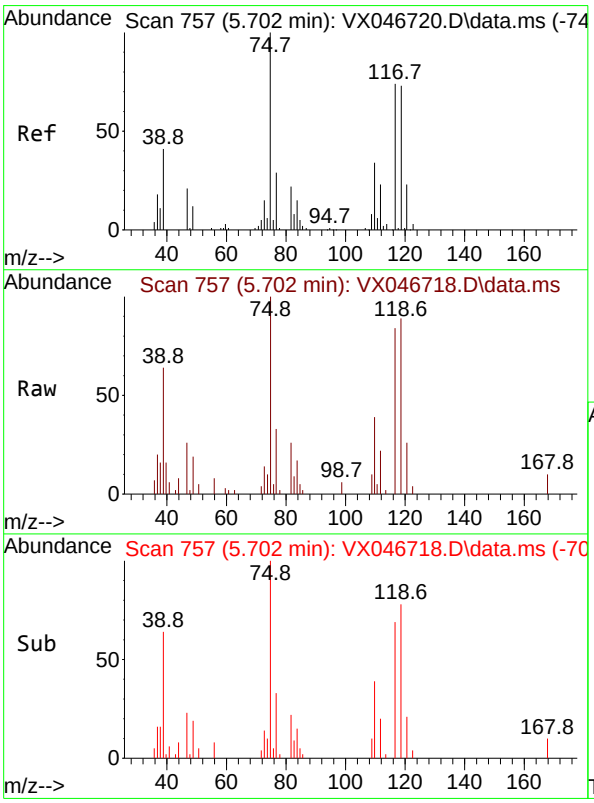
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.7 | 82.0 | 123.0 |
| 192 | 16.4 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

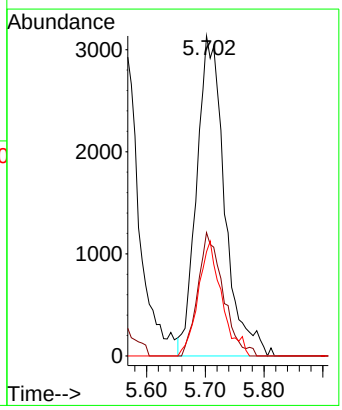
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

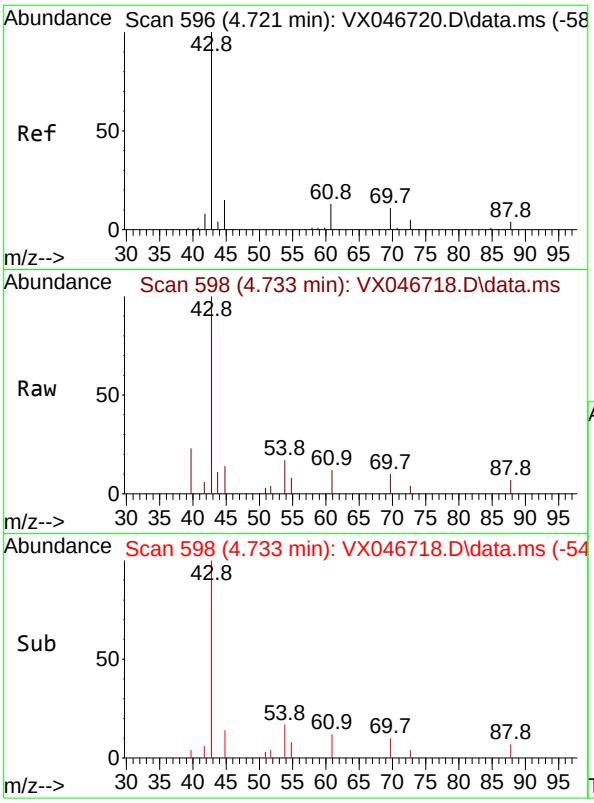



#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 10359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.2 | 51.5 |
| 77 | 30.4 | 24.2 | 36.4 |

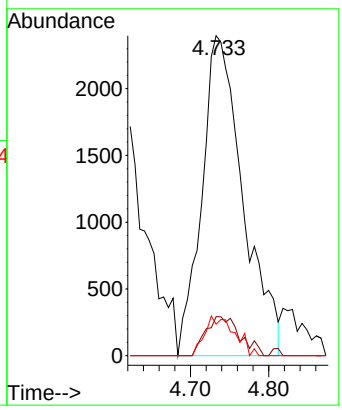





#37
Ethyl Acetate
Concen: 4.580 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 876

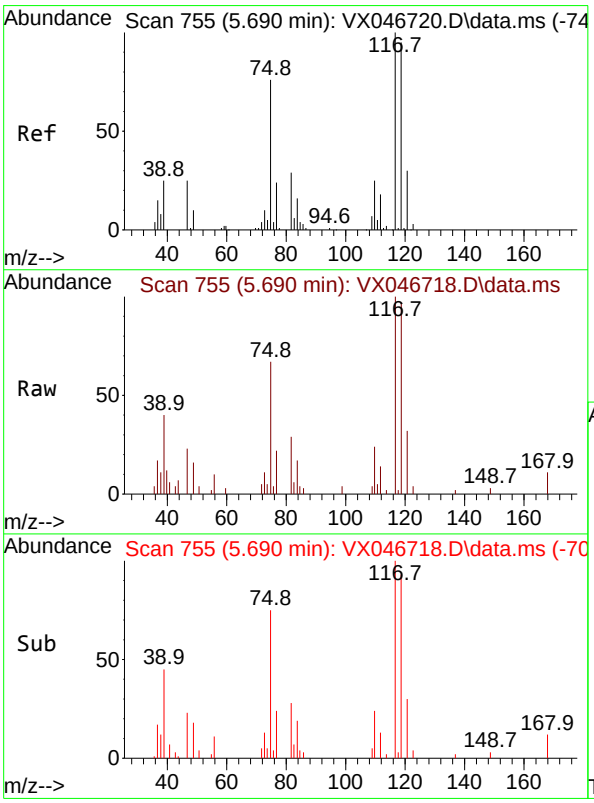
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.1 | 9.7 | 14.5 |
| 70 | 8.9 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

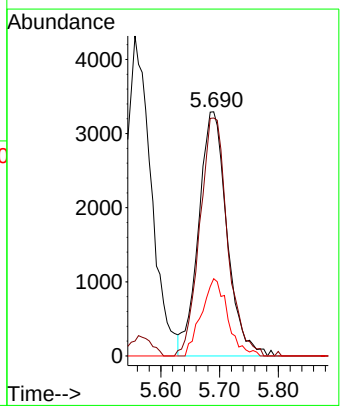
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

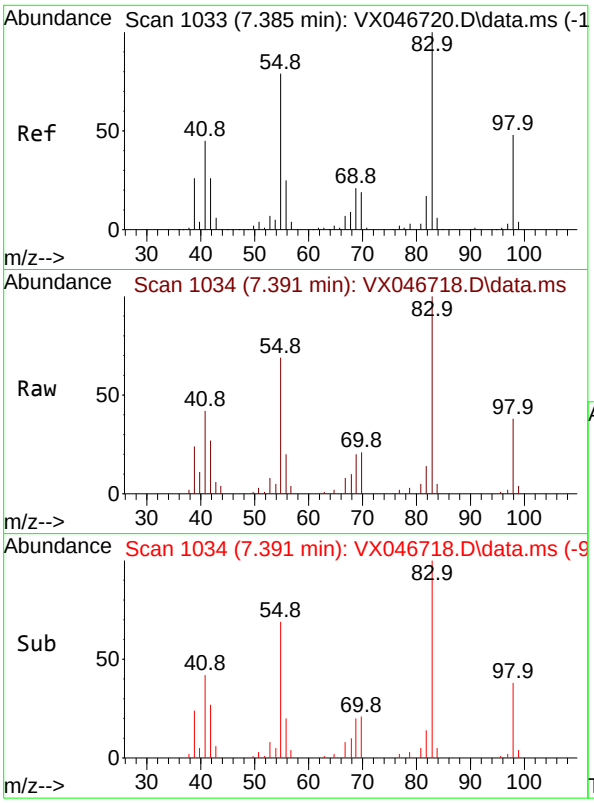



#38
Carbon Tetrachloride
Concen: 4.909 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:117 Resp: 11043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 31.6 | 24.1 | 36.1 |

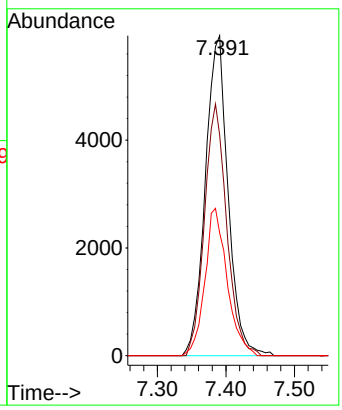





#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 83 Resp: 1370

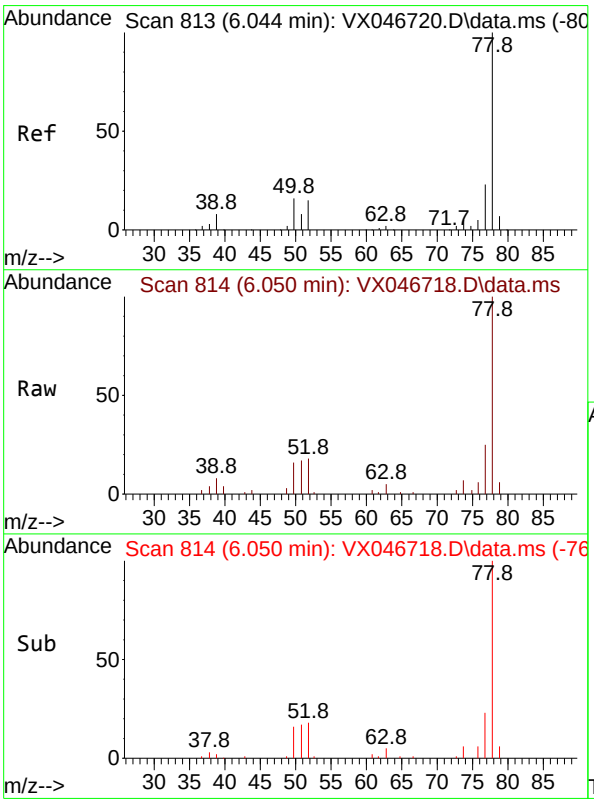
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.0 | 63.0 | 94.4 |
| 98 | 38.4 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

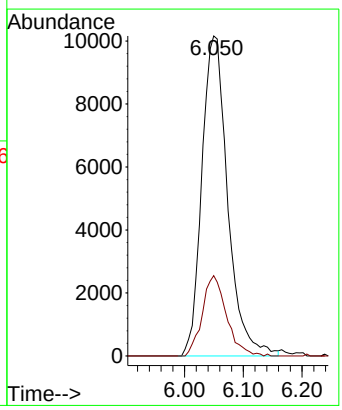
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

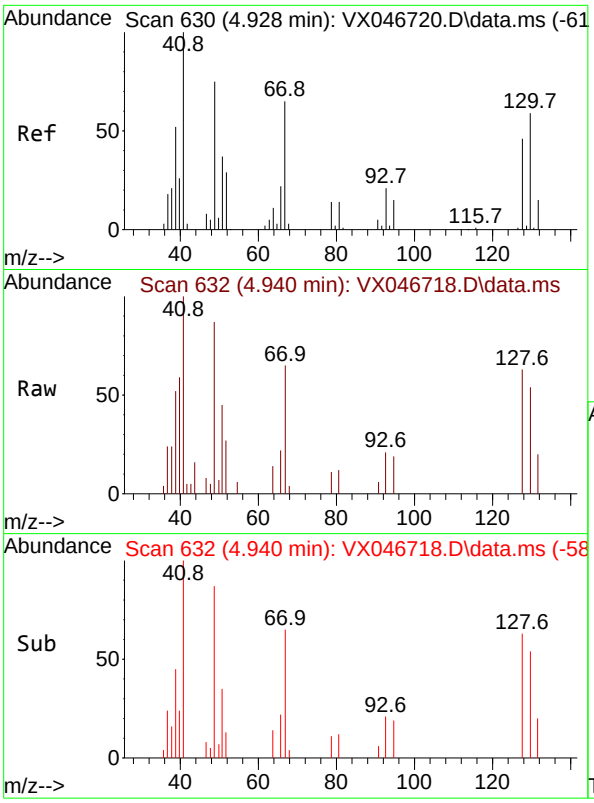



#40
Benzene
Concen: 5.064 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 78 Resp: 31061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 18.8 | 28.2 |

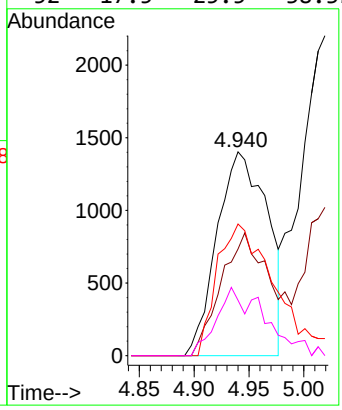





#41
Methacrylonitrile
Concen: 4.400 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 41 Resp: 448

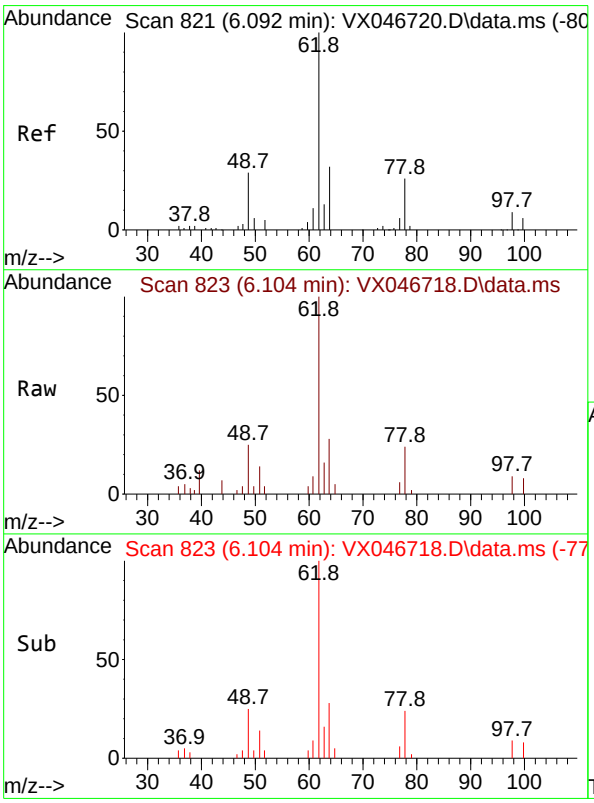
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.2 | 45.9 | 68.9 |
| 67 | 74.8 | 61.2 | 91.8 |
| 52 | 17.5 | 25.5 | 38.3# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

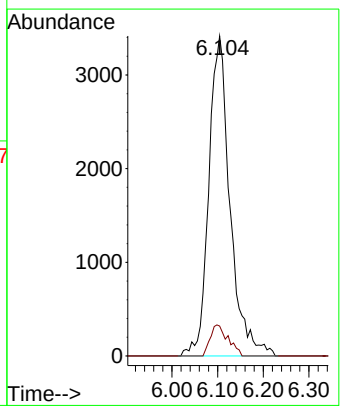
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

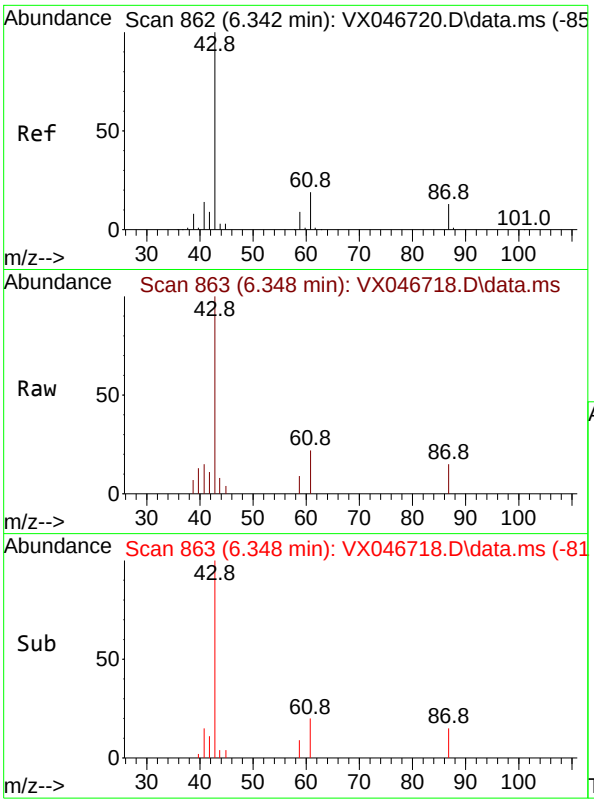



#42
1,2-Dichloroethane
Concen: 5.116 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 62 Resp: 11029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.1 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 4.914 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

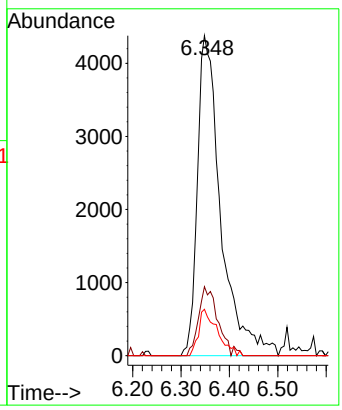
Tgt Ion: 43 Resp: 1471

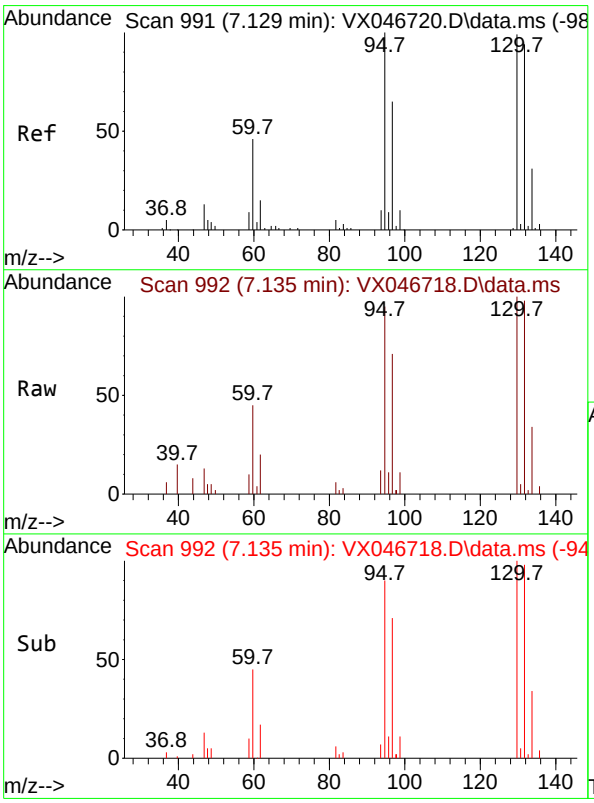
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 15.3 | 22.9 |
| 87 | 11.6 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

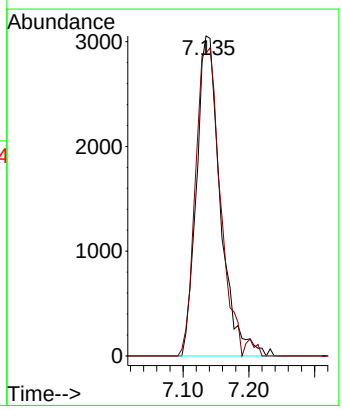


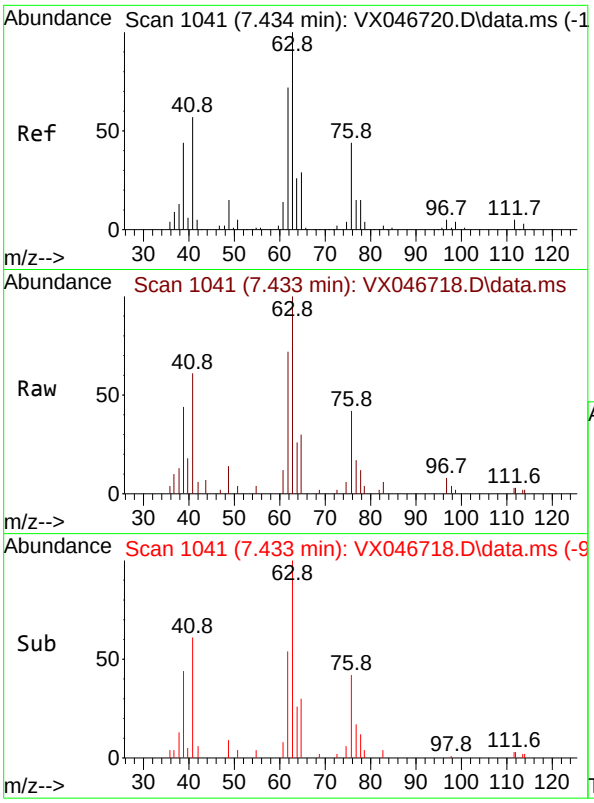




#44
Trichloroethene
Concen: 4.927 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:130 Resp: 7703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.6 | 0.0 | 202.6 |

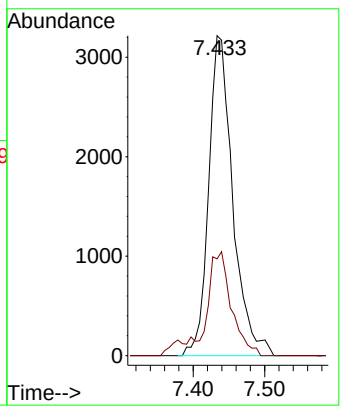





#45
1,2-Dichloropropane
Concen: 4.952 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 63 Resp: 752

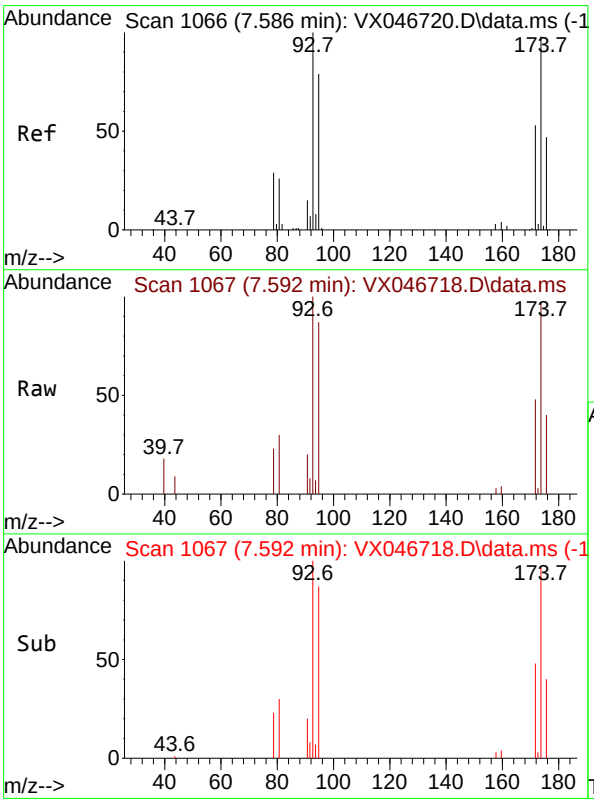
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

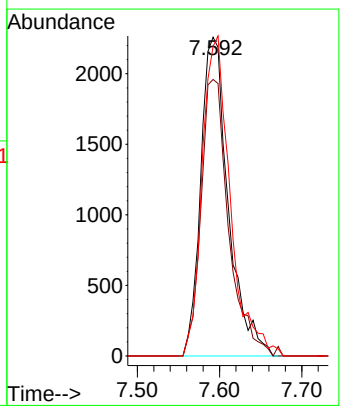
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

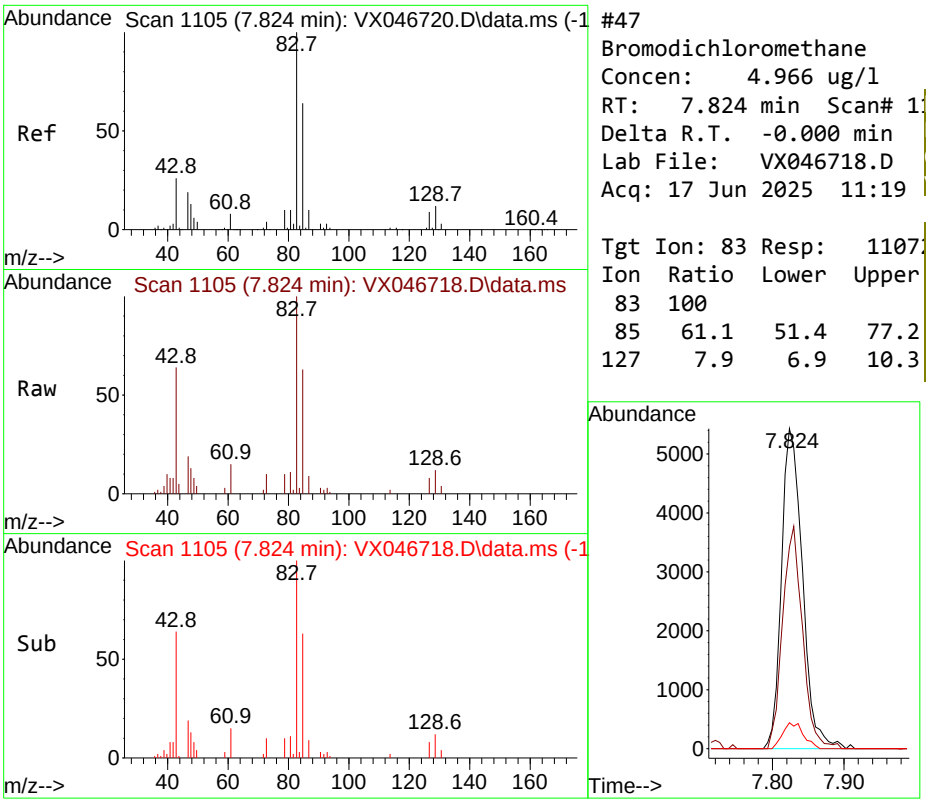



#46
Dibromomethane
Concen: 4.821 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 93 Resp: 5267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 86.9 | 66.2 | 99.4 |
| 174 | 102.0 | 77.0 | 115.6 |






#47
Bromodichloromethane
Concen: 4.966 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 83 Resp: 1107

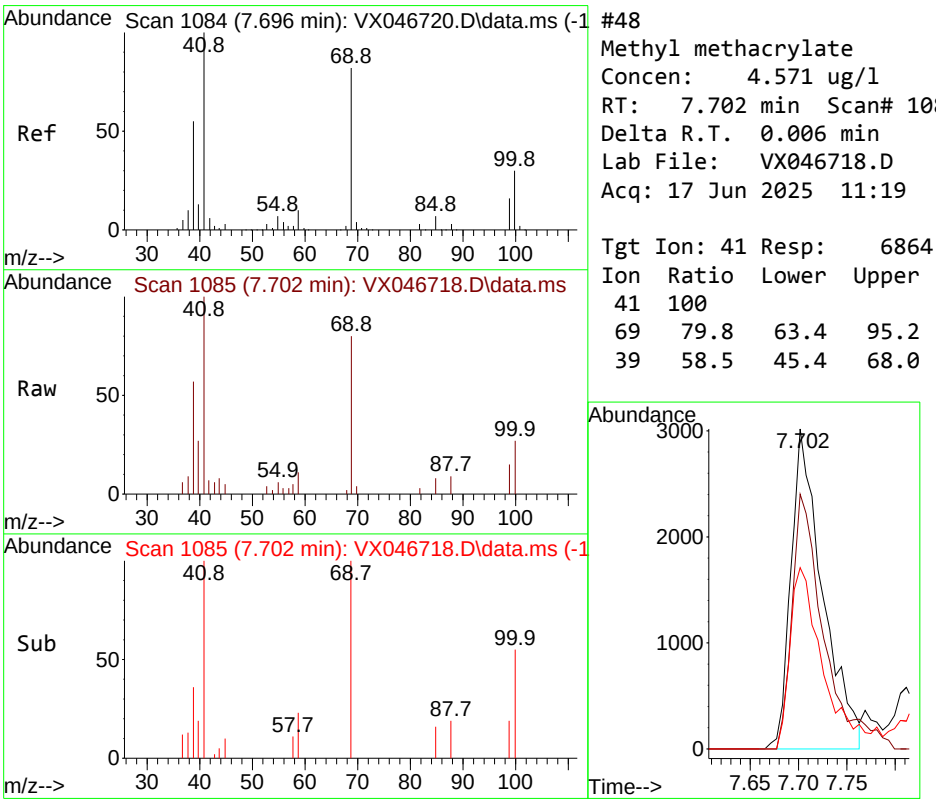
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.1 | 51.4 | 77.2 |
| 127 | 7.9 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

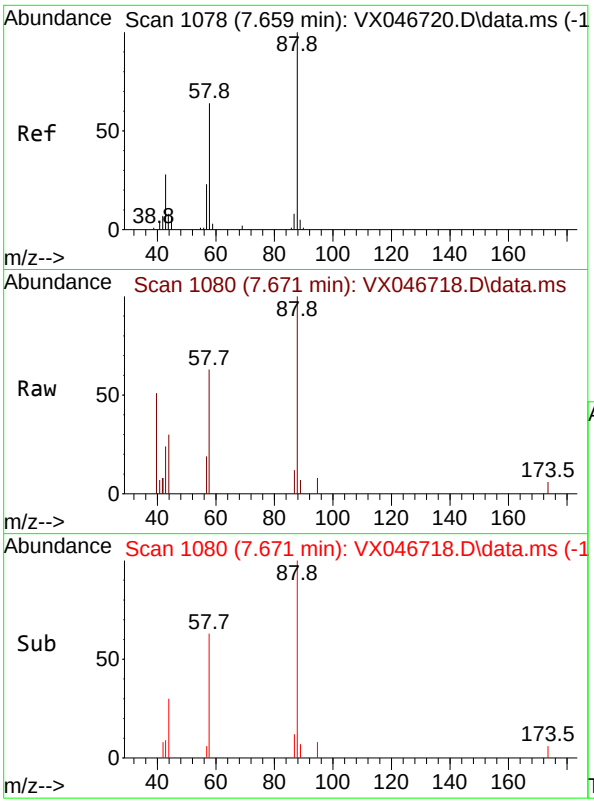
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#48
Methyl methacrylate
Concen: 4.571 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 41 Resp: 6864

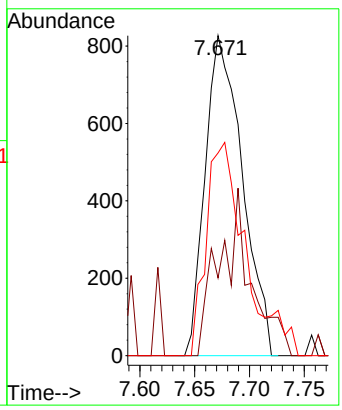
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.8 | 63.4 | 95.2 |
| 39 | 58.5 | 45.4 | 68.0 |




#49
1,4-Dioxane
Concen: 113.091 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 88 Resp: 194

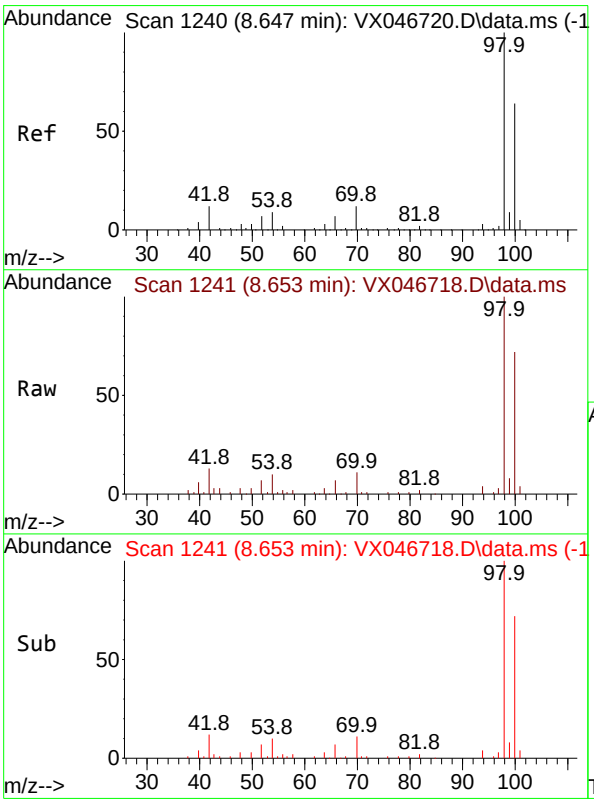
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.9 | 31.2 | 46.8 |
| 58 | 70.8 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

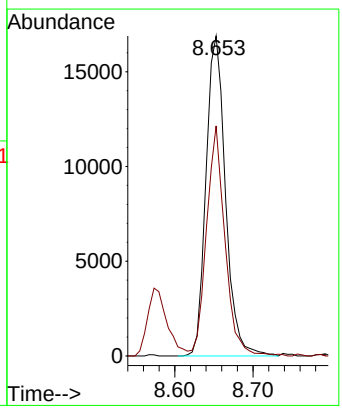
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

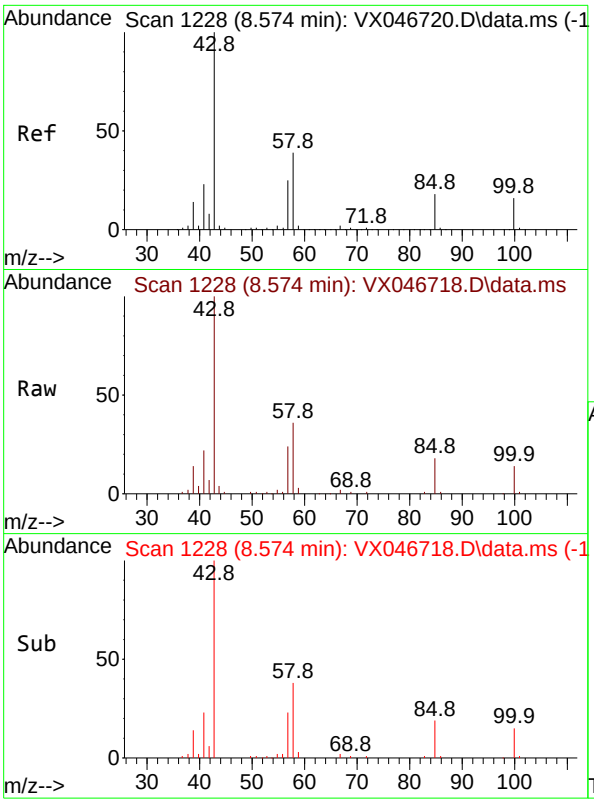



#50
Toluene-d8
Concen: 5.645 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 98 Resp: 29120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.4 | 53.0 | 79.4 |

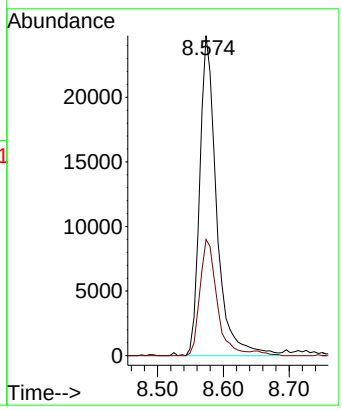





#51
4-Methyl-2-Pentanone
Concen: 24.800 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 4428

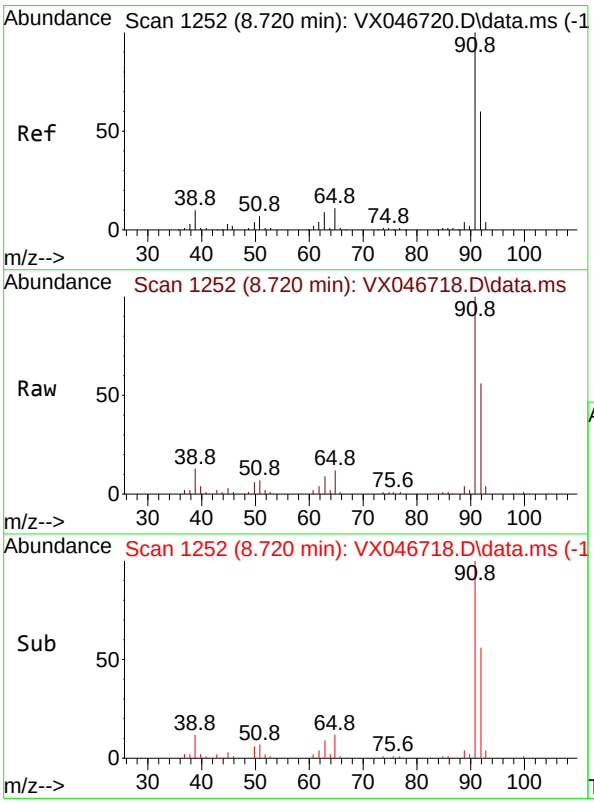
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.8 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

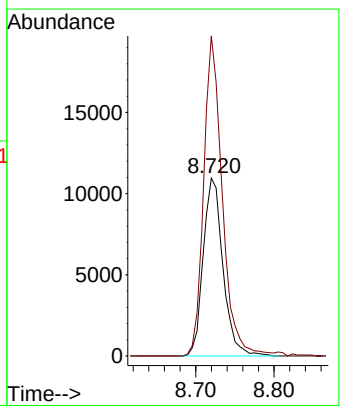
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

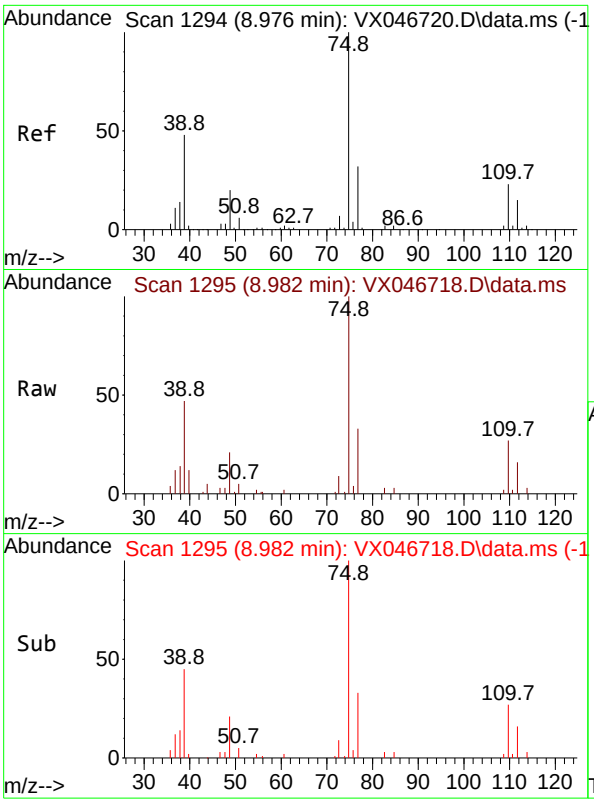



#52
Toluene
Concen: 5.046 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 92 Resp: 19190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.2 | 134.8 | 202.2 |

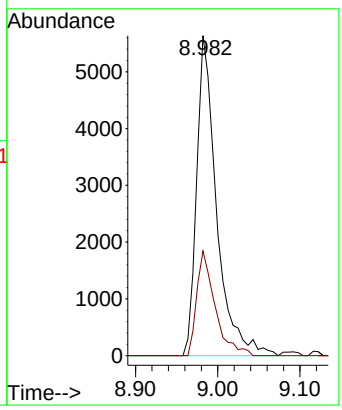





#53
t-1,3-Dichloropropene
Concen: 4.591 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 949

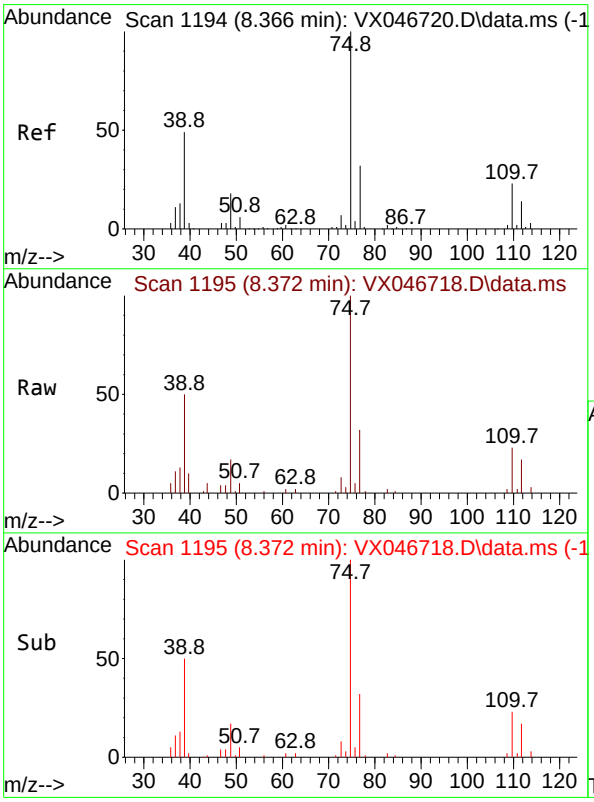
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

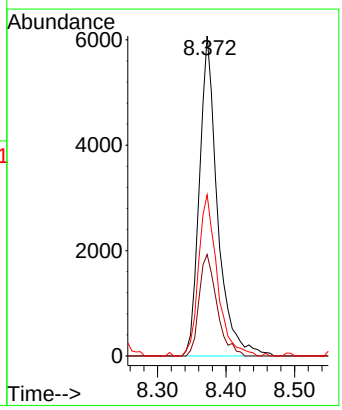
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

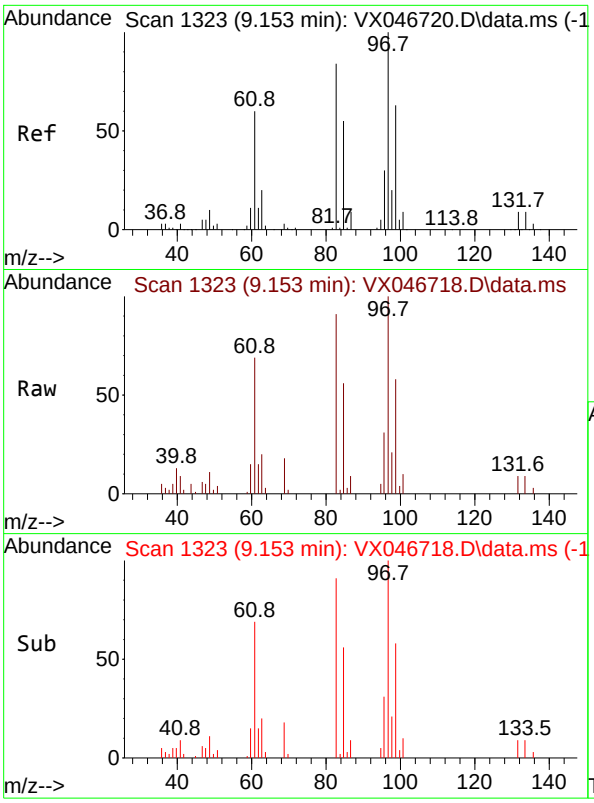



#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 11188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.3 | 37.9 |
| 39 | 54.9 | 39.2 | 58.8 |

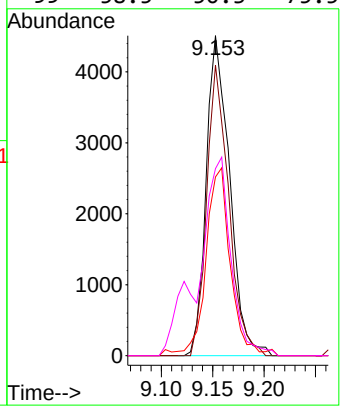





#55
1,1,2-Trichloroethane
Concen: 5.046 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 97 Resp: 715

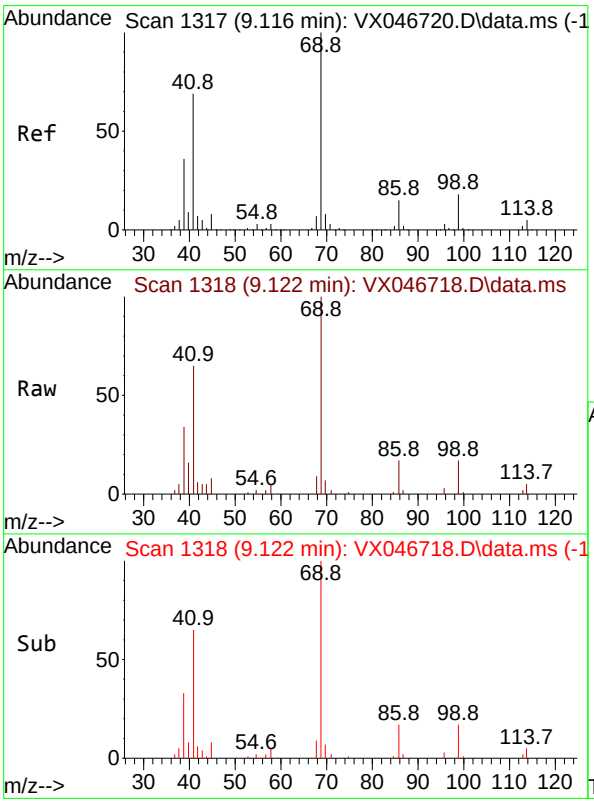
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.8 | 67.2 | 100.8 |
| 85 | 55.8 | 44.1 | 66.1 |
| 99 | 58.5 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

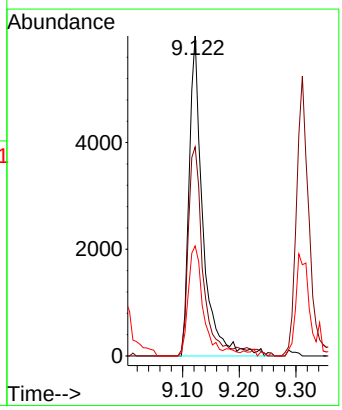
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

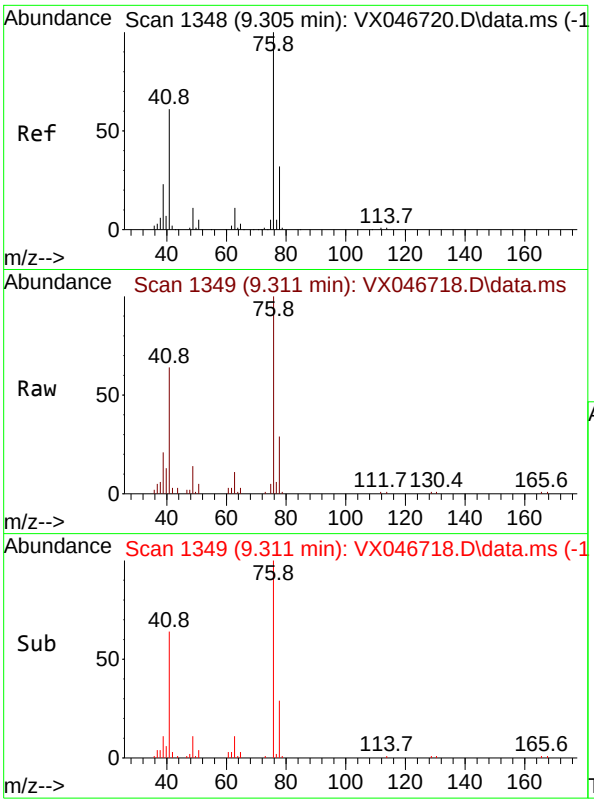



#56
Ethyl methacrylate
Concen: 4.828 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 69 Resp: 10101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 55.4 | 83.2 |
| 39 | 36.5 | 29.7 | 44.5 |

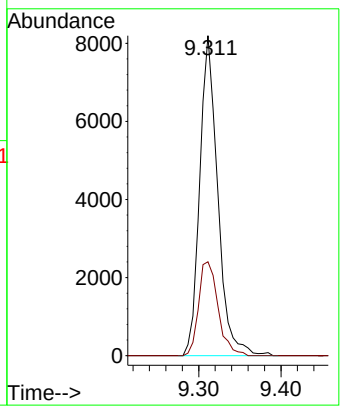





#57
1,3-Dichloropropane
Concen: 5.115 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 76 Resp: 1248

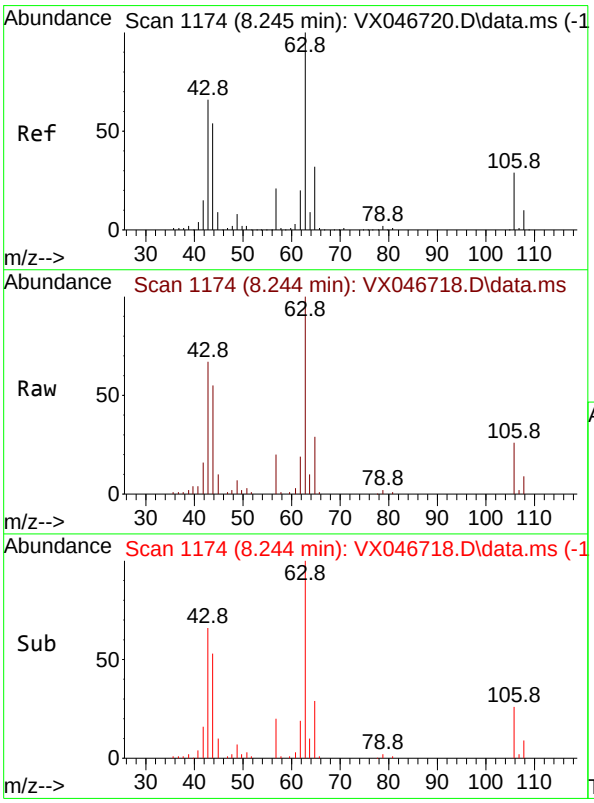
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

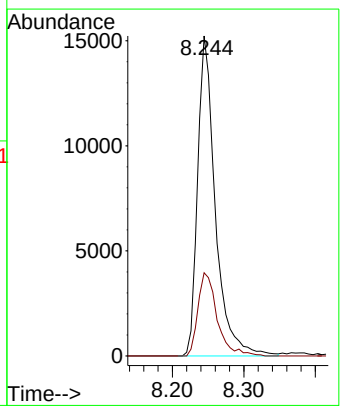
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

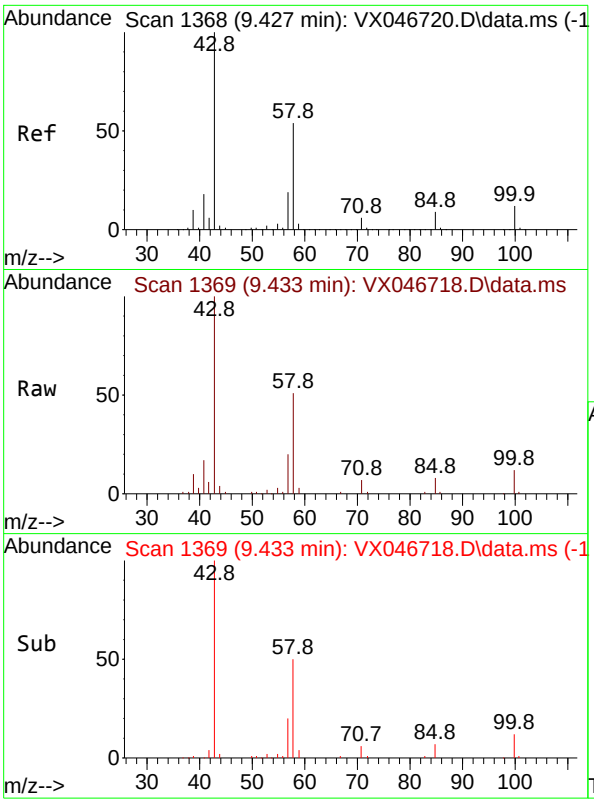



#58
2-Chloroethyl Vinyl ether
Concen: 24.071 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 63 Resp: 26158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |

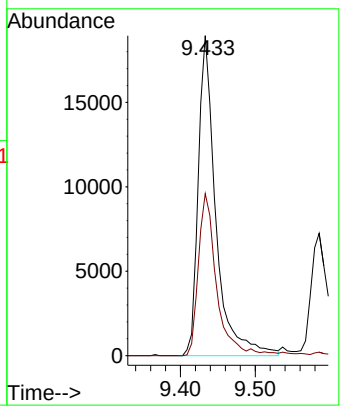





#59
2-Hexanone
Concen: 25.062 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 3093

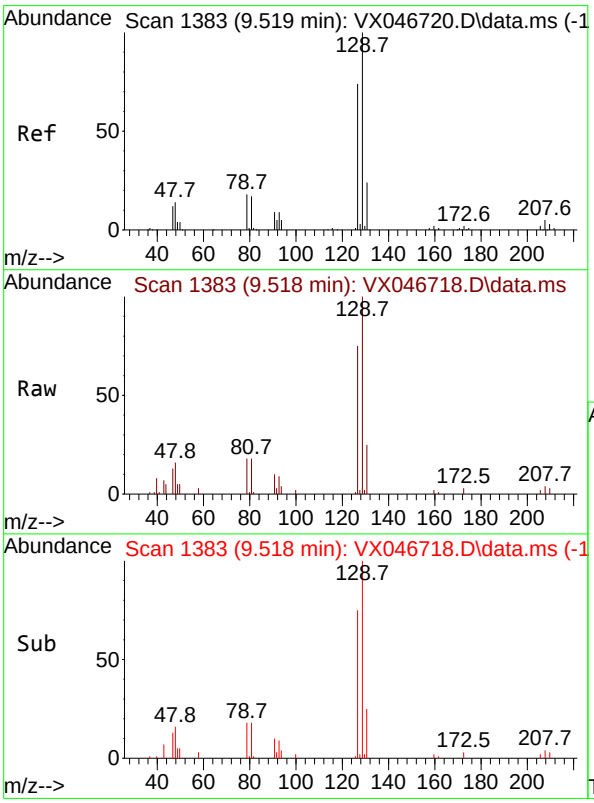
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

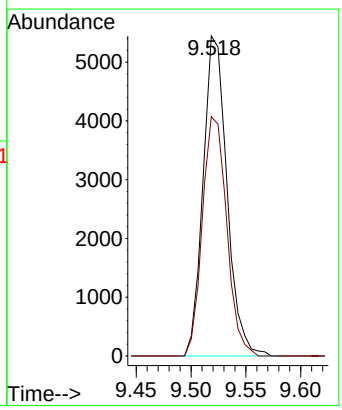
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

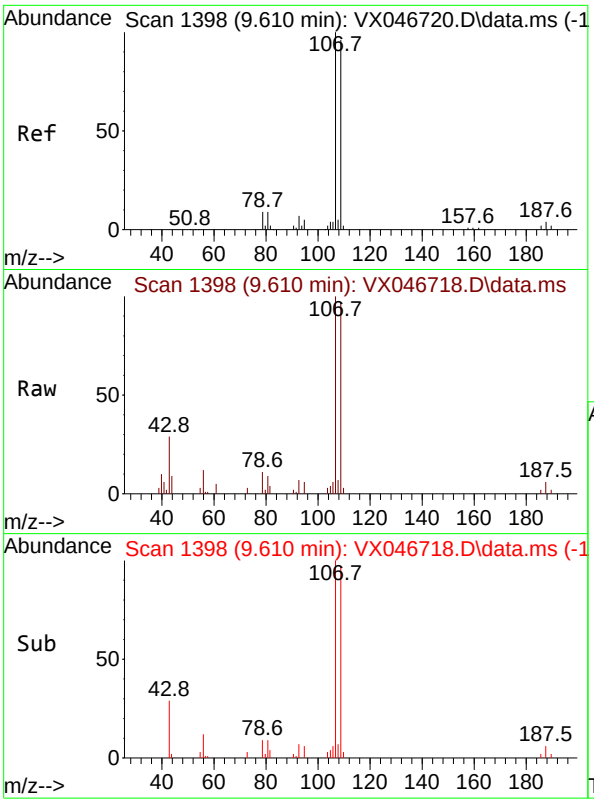



#60
Dibromochloromethane
Concen: 4.939 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:129 Resp: 8249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 38.4 | 115.2 |

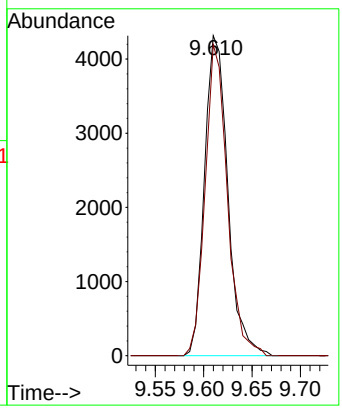





#61
1,2-Dibromoethane
Concen: 5.009 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:107 Resp: 722

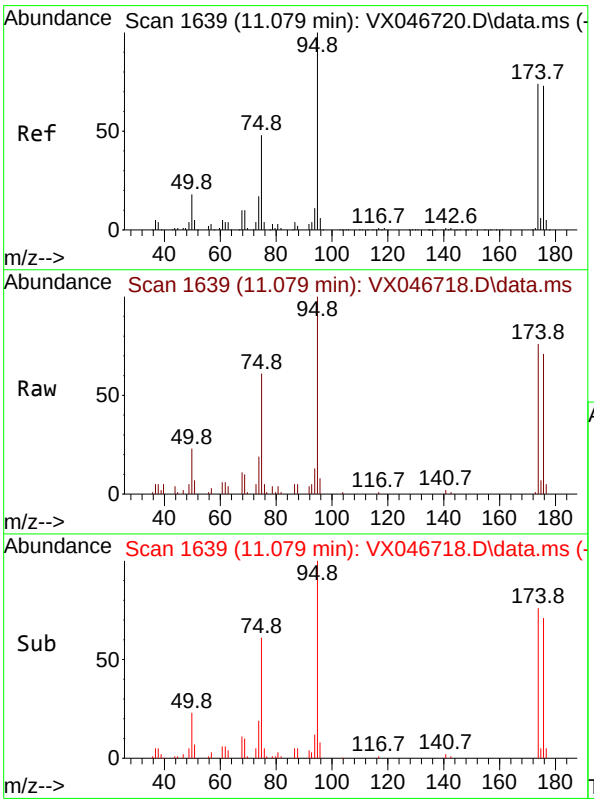
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

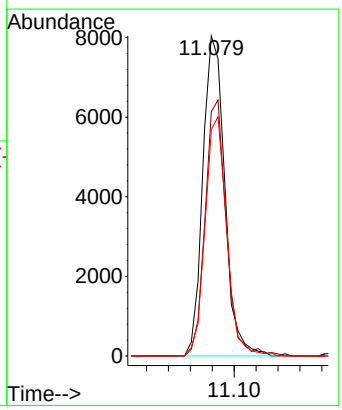
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

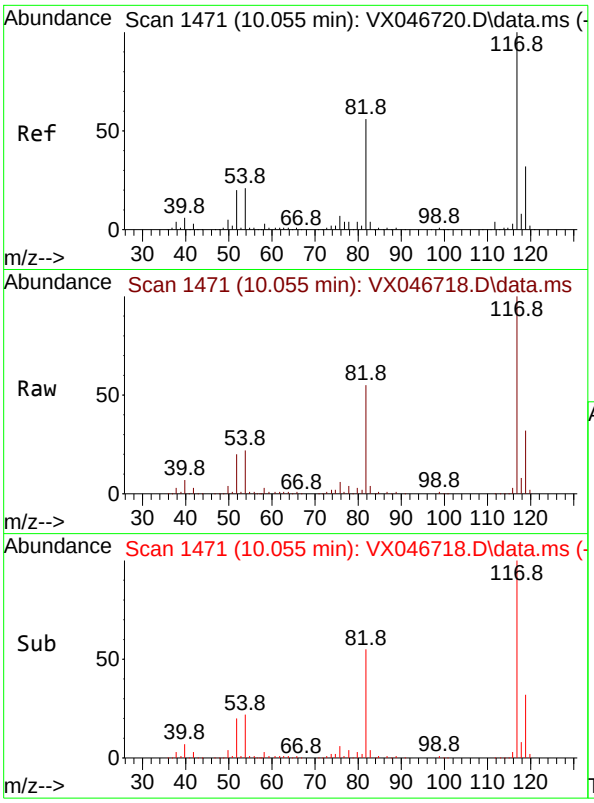



#62
4-Bromofluorobenzene
Concen: 5.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 95 Resp: 11137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.4 | 0.0 | 150.4 |
| 176 | 73.9 | 0.0 | 145.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

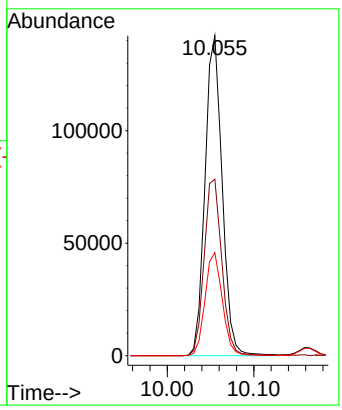
Tgt Ion:117 Resp: 19578

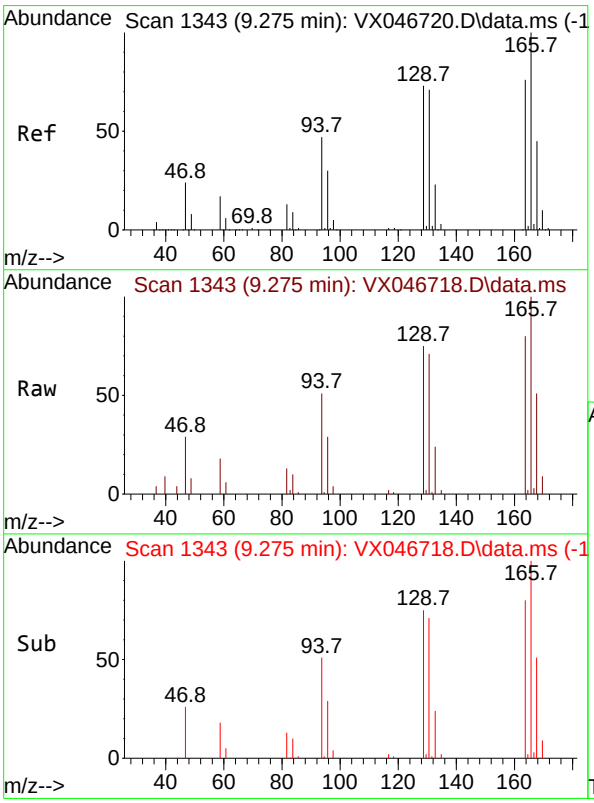
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 44.6 | 66.8 |
| 119 | 32.2 | 25.8 | 38.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

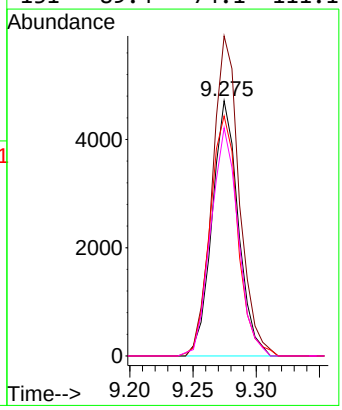


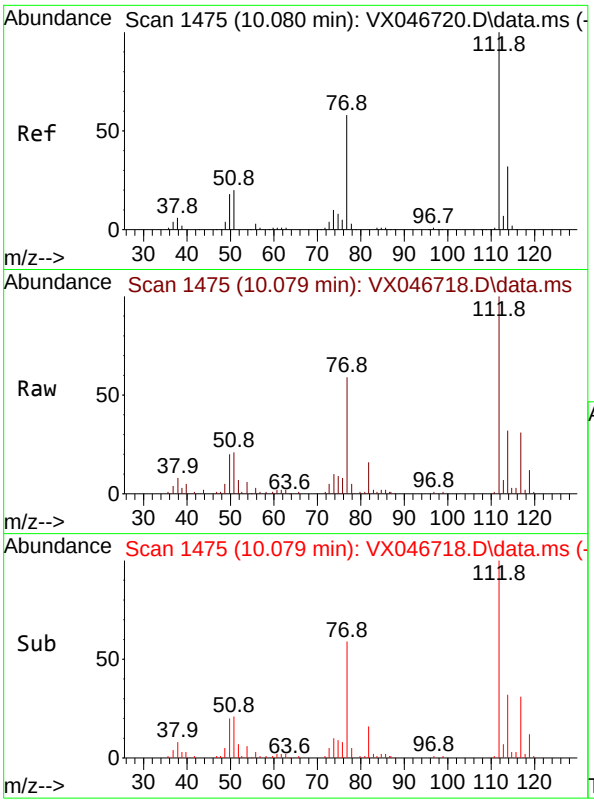




#64
Tetrachloroethene
Concen: 4.980 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:164 Resp: 6755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 104.6 | 157.0 |
| 129 | 94.1 | 76.3 | 114.5 |
| 131 | 89.4 | 74.1 | 111.1 |

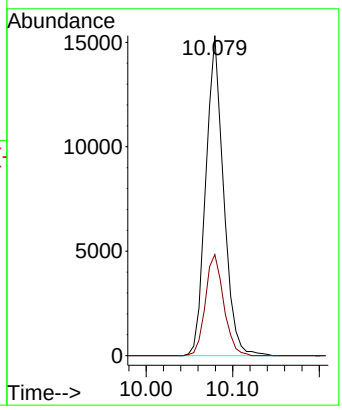





#65
Chlorobenzene
Concen: 5.046 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:112 Resp: 2180

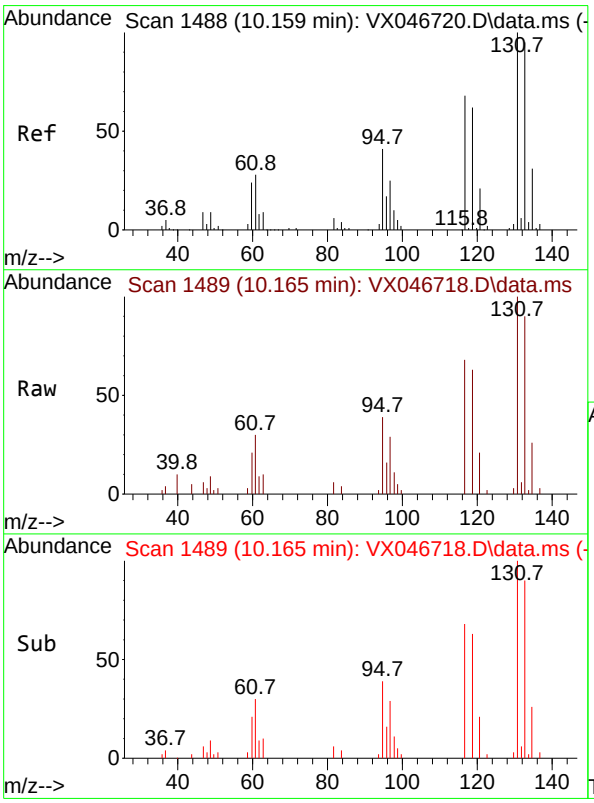
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

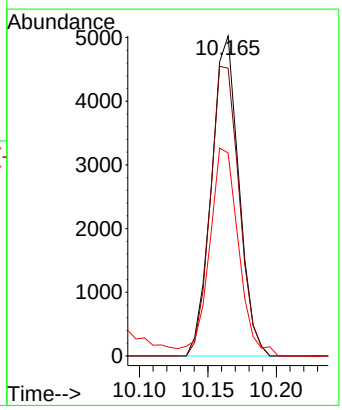
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

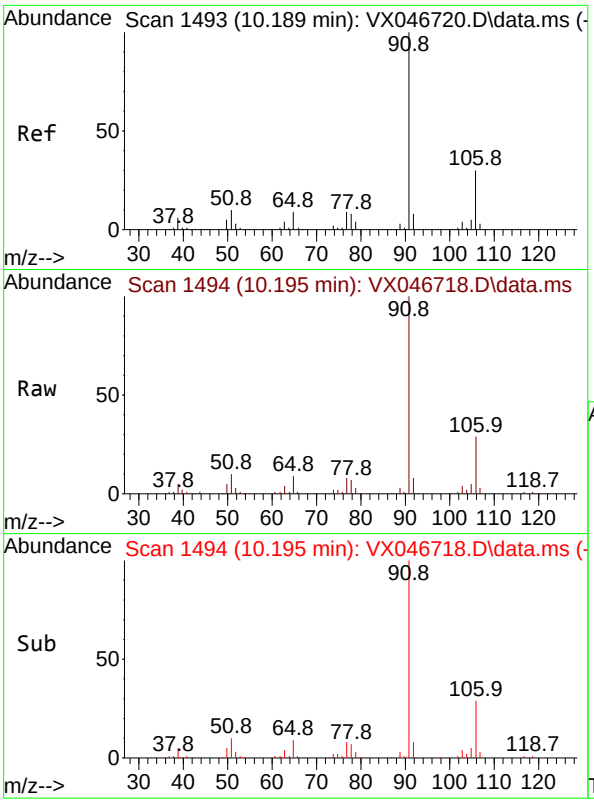



#66
1,1,1,2-Tetrachloroethane
Concen: 4.823 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:131 Resp: 7006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 141.8 |
| 119 | 68.5 | 32.1 | 96.3 |

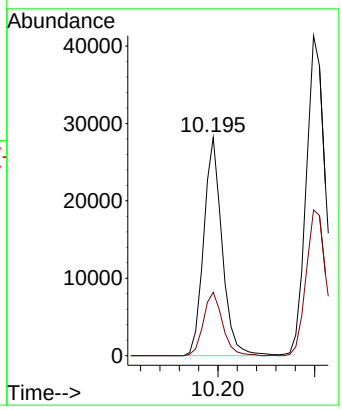





#67
Ethyl Benzene
Concen: 4.939 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 91 Resp: 3729

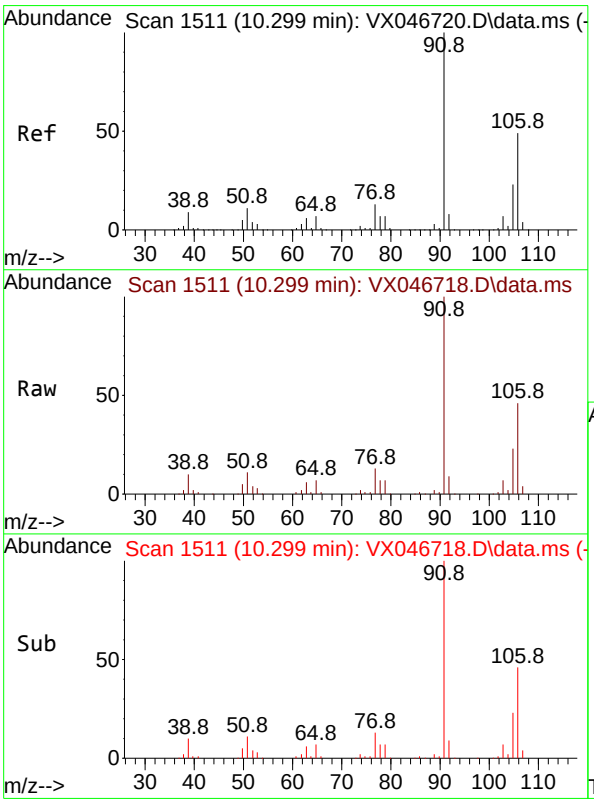
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

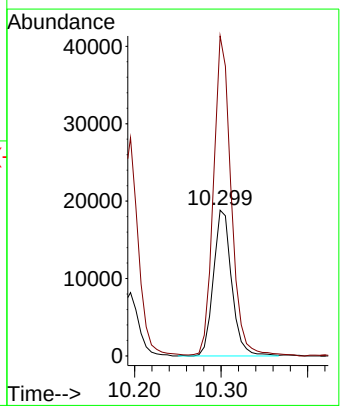
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

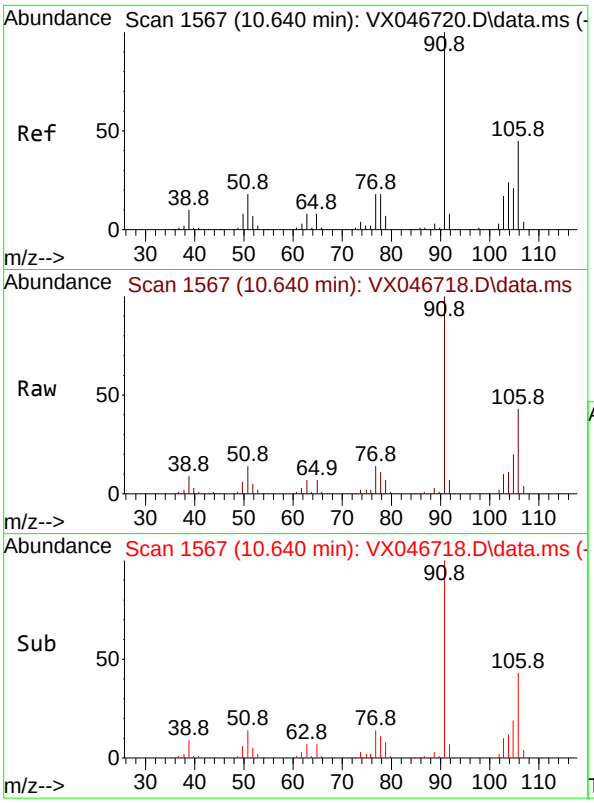



#68
m/p-Xylenes
Concen: 9.812 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:106 Resp: 27609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.5 | 164.8 | 247.2 |

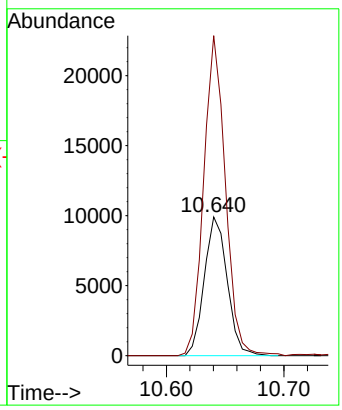





#69
o-Xylene
Concen: 5.090 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:106 Resp: 1342

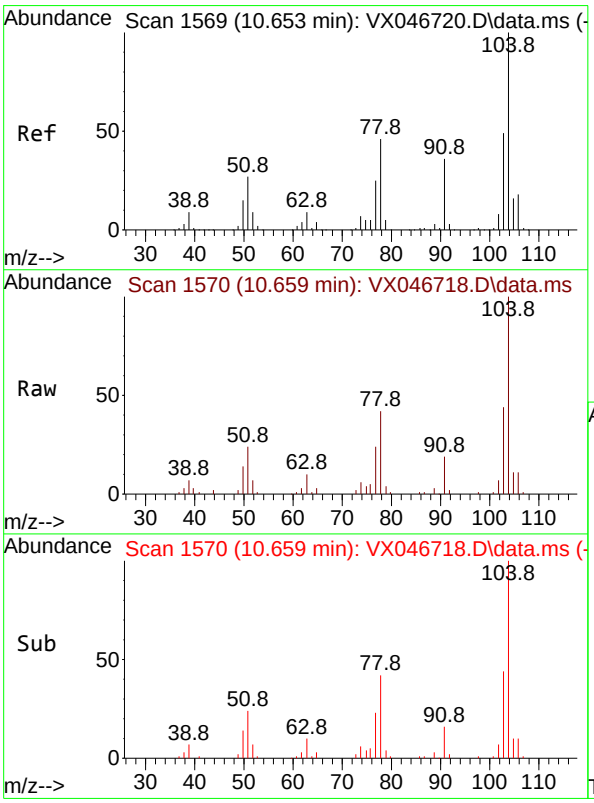
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.1 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

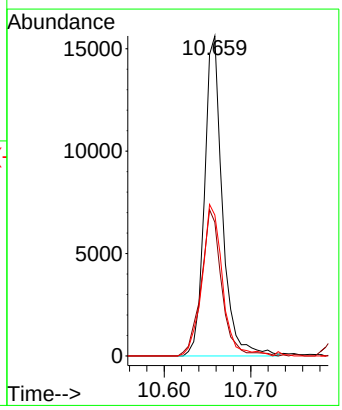
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

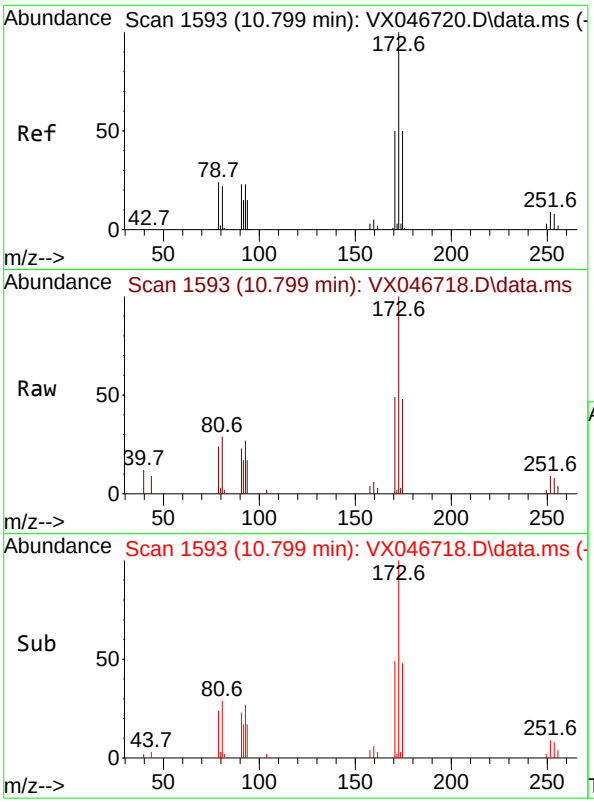



#70
Styrene
Concen: 4.855 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:104 Resp: 22403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 41.4 | 62.2 |
| 103 | 54.0 | 43.1 | 64.7 |

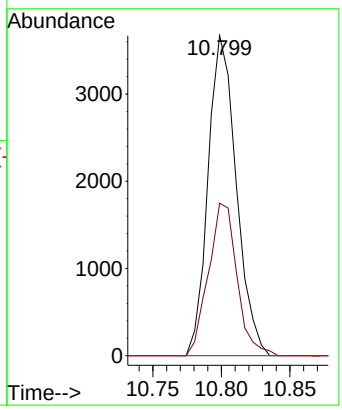





#71
Bromoform
Concen: 4.744 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:173 Resp: 524

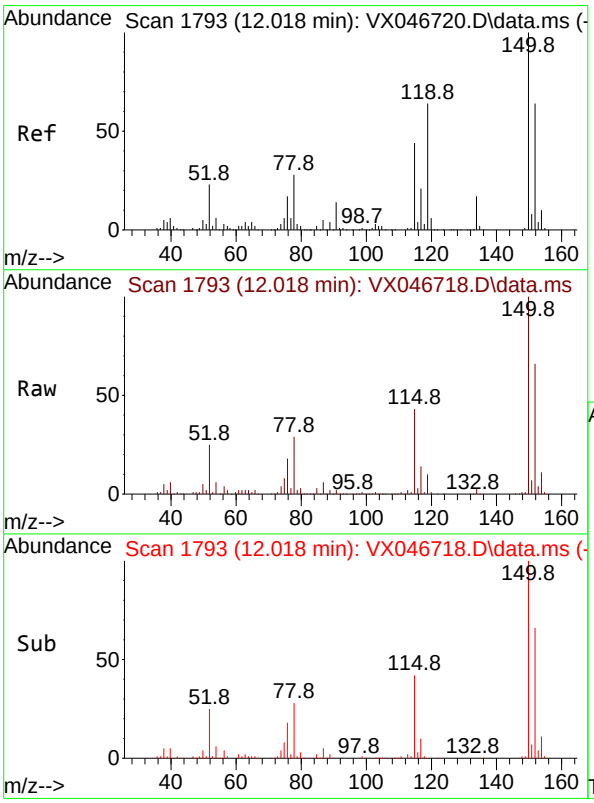
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

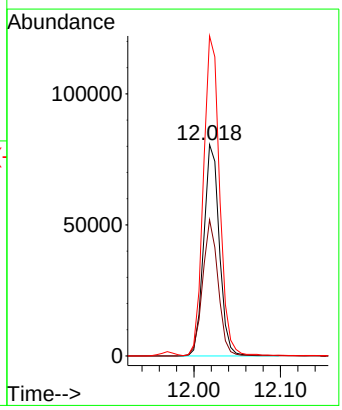
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

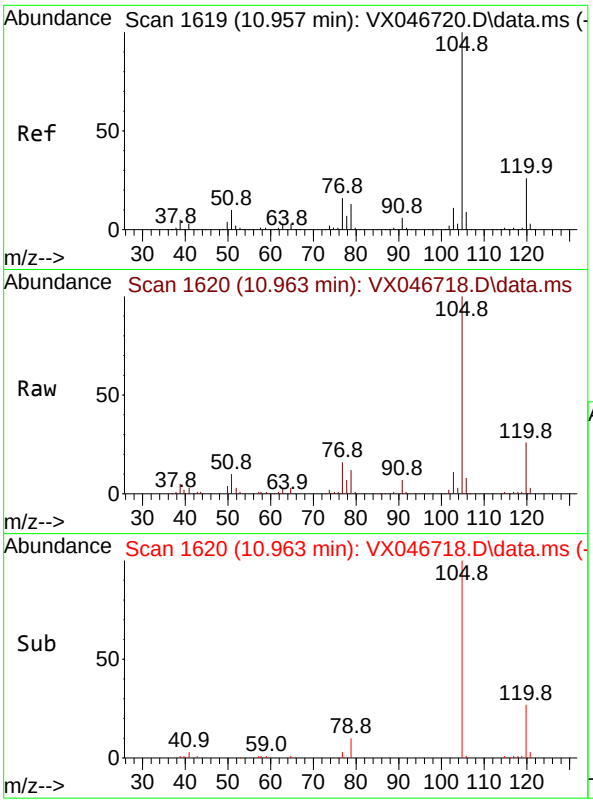



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:152 Resp: 100990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.0 | 43.2 | 129.6 |
| 150 | 156.3 | 0.0 | 346.8 |

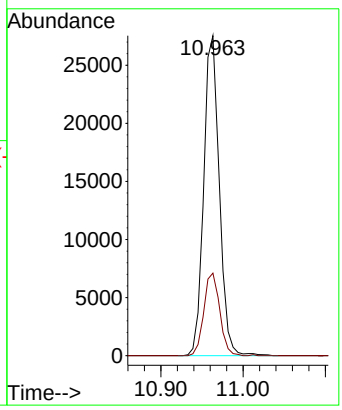





#73
Isopropylbenzene
Concen: 4.878 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 3628

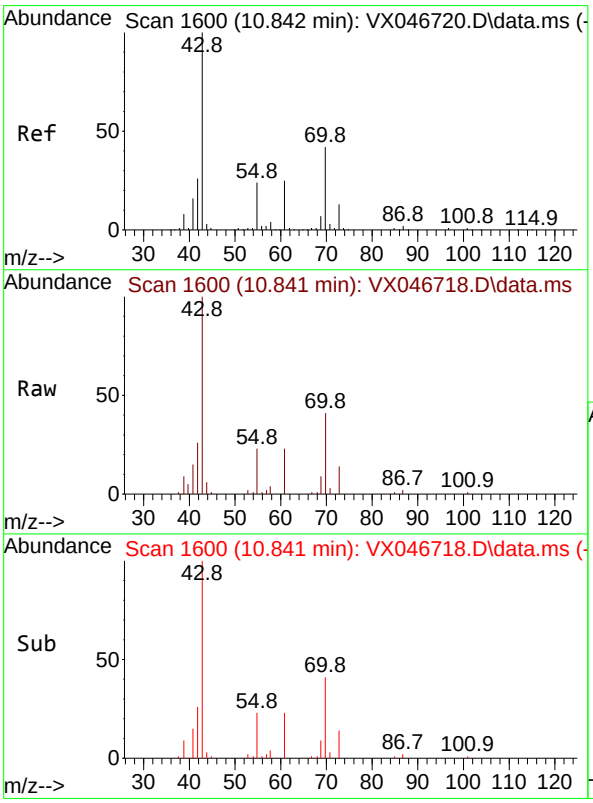
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

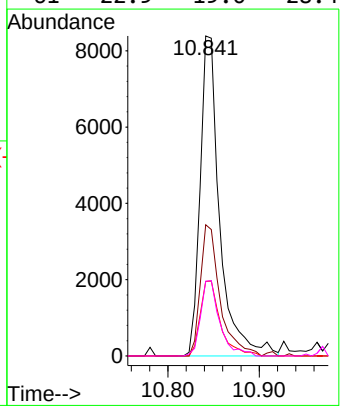
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

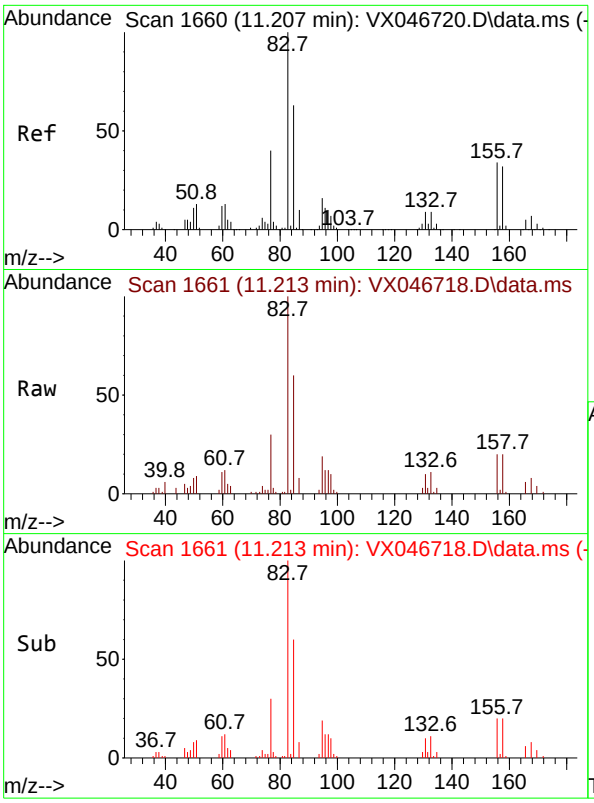



#74
N-amyl acetate
Concen: 4.434 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 12496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 22.9 | 19.0 | 28.4 |

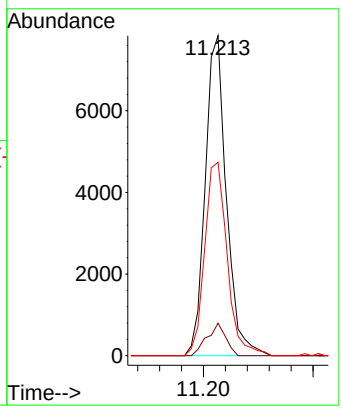





#75
1,1,2,2-Tetrachloroethane
Concen: 5.040 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 83 Resp: 1046

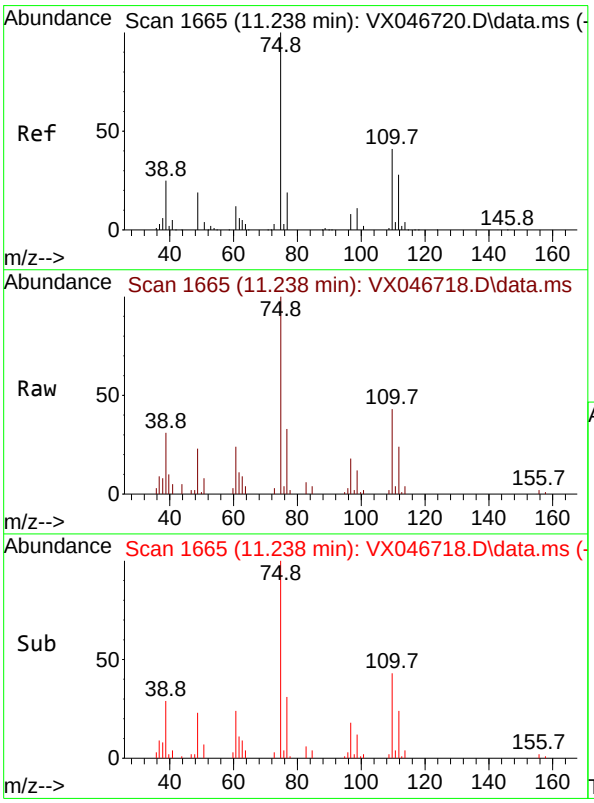
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.0 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

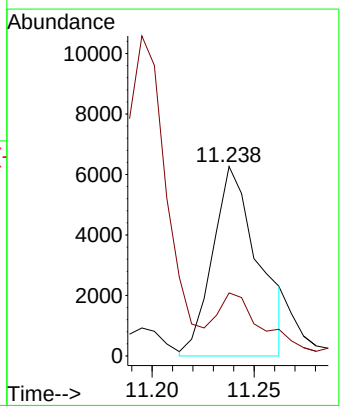
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

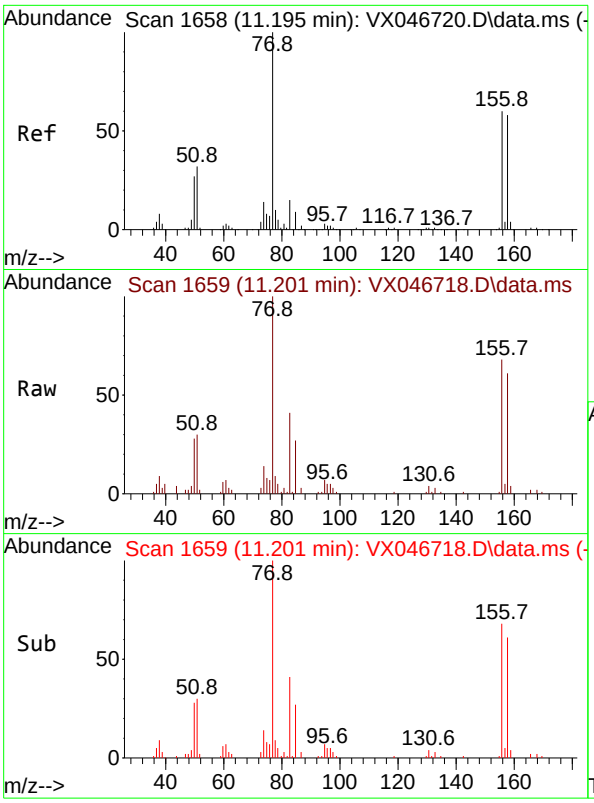



#76
1,2,3-Trichloropropane
Concen: 4.722 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 9687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.2 | 18.5 | 55.5 |

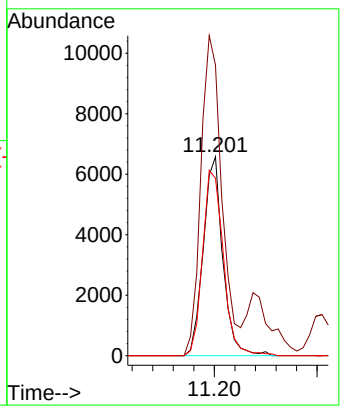





#77
Bromobenzene
Concen: 4.857 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:156 Resp: 869

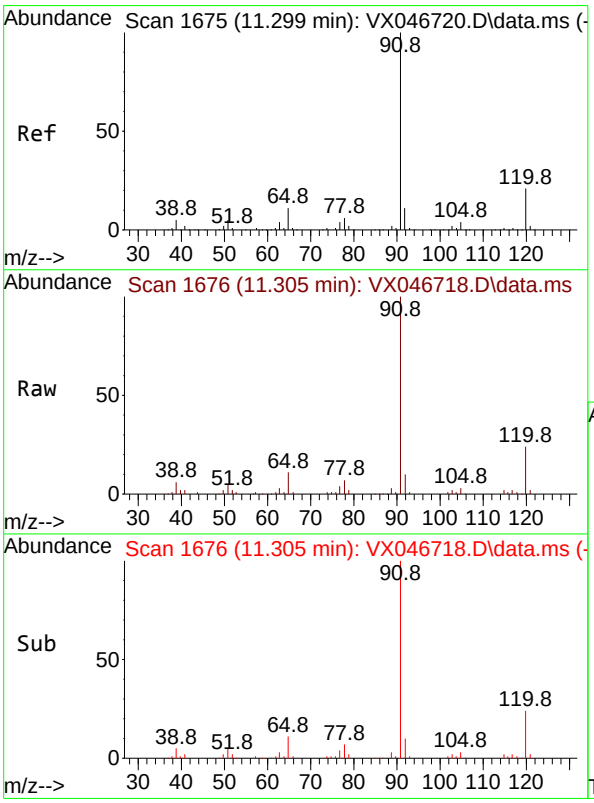
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.3 | 82.8 | 248.6 |
| 158 | 99.4 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

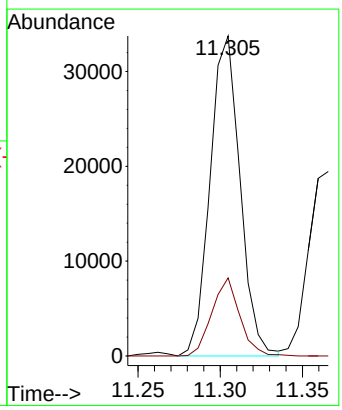
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

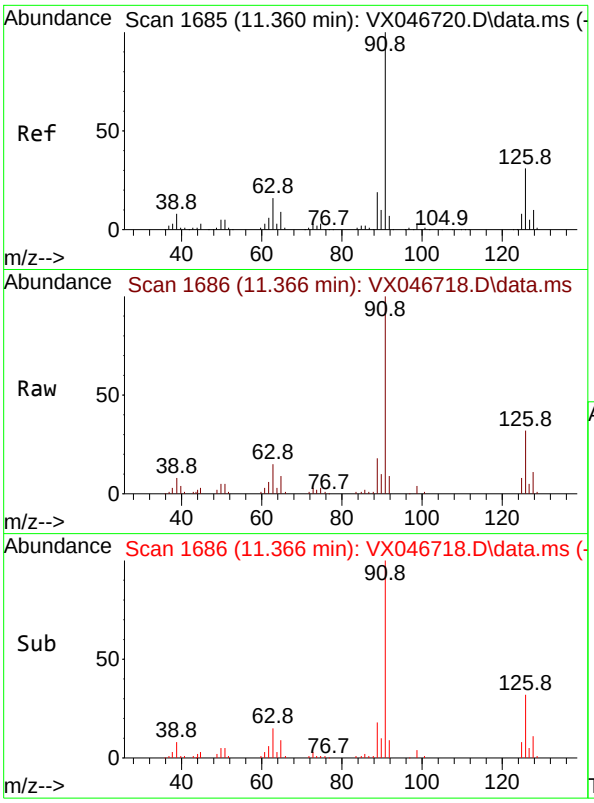



#78
n-propylbenzene
Concen: 4.850 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 91 Resp: 42848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 4.971 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

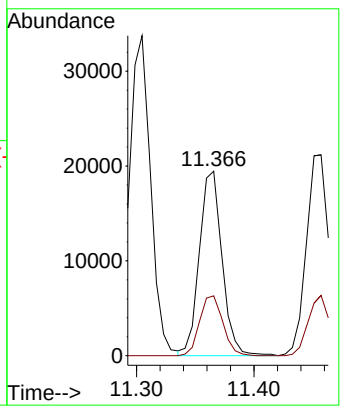
Tgt Ion: 91 Resp: 2622

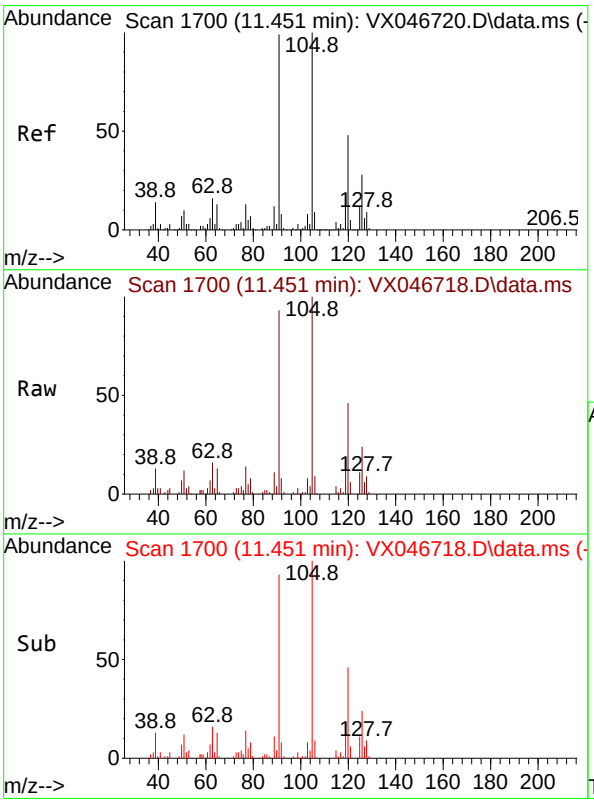
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

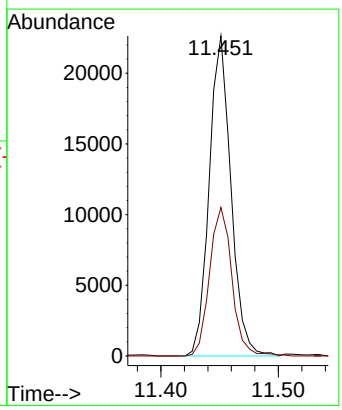


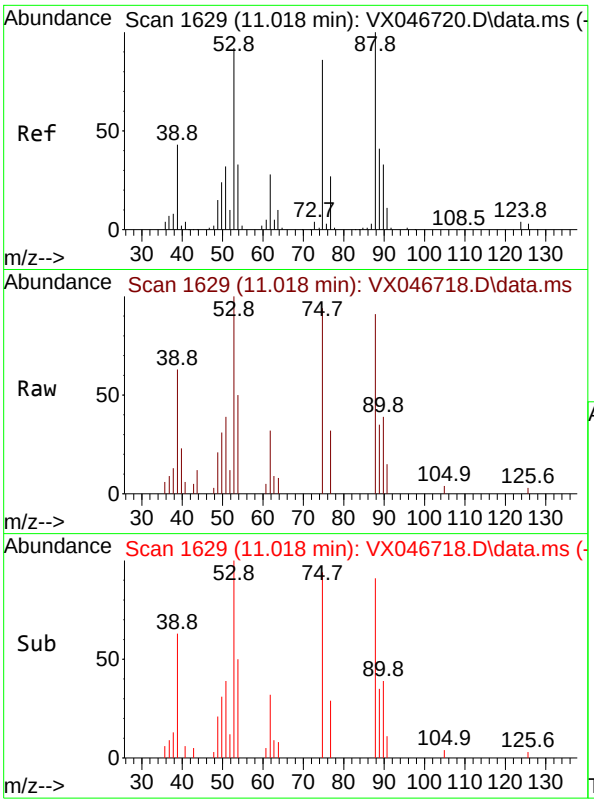




#80
1,3,5-Trimethylbenzene
Concen: 4.772 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 29167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.1 | 72.2 |

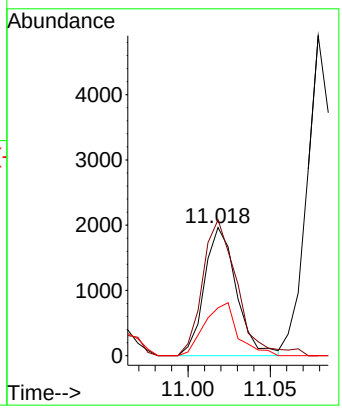





#81
trans-1,4-Dichloro-2-butene
Concen: 4.070 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 266

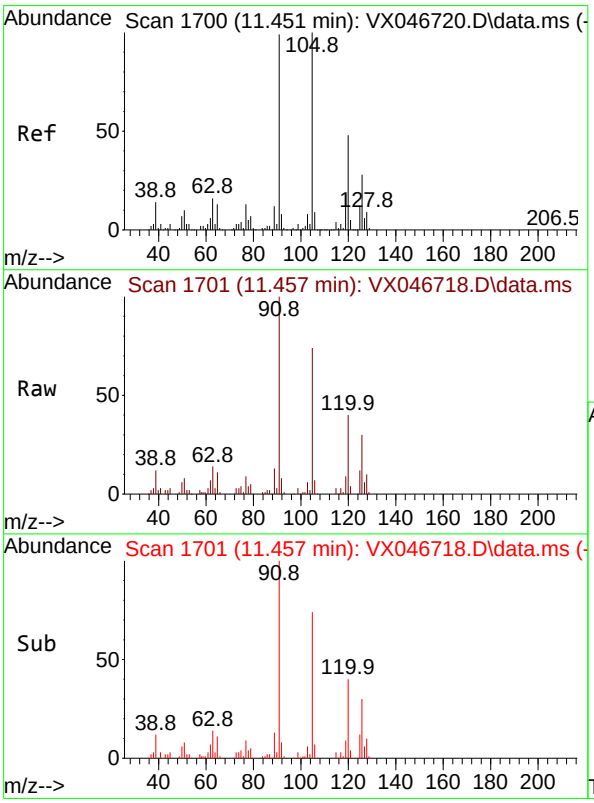
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.8 | 86.8 | 130.2 |
| 89 | 42.7 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

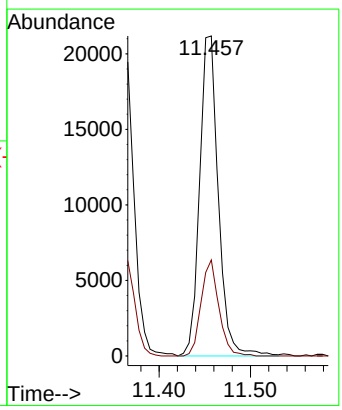
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

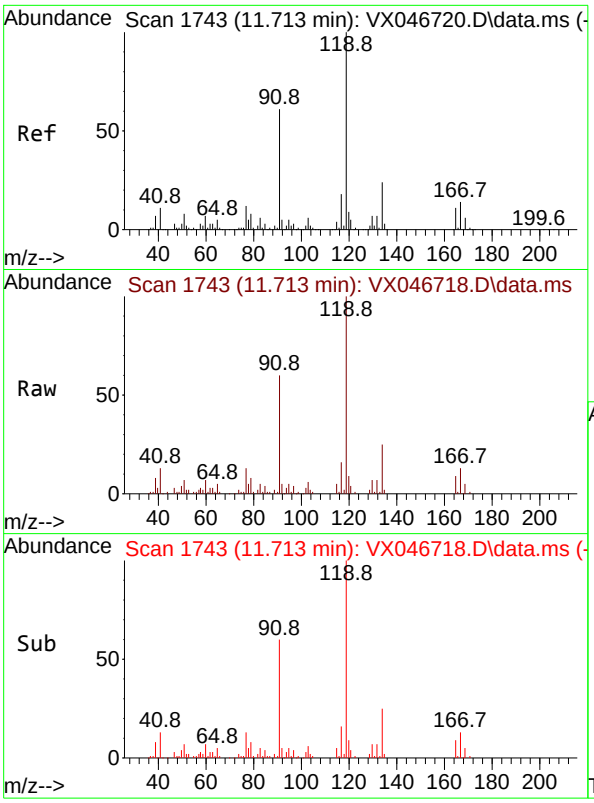



#82
4-Chlorotoluene
Concen: 4.889 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 91 Resp: 30097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.4 | 14.4 | 43.2 |

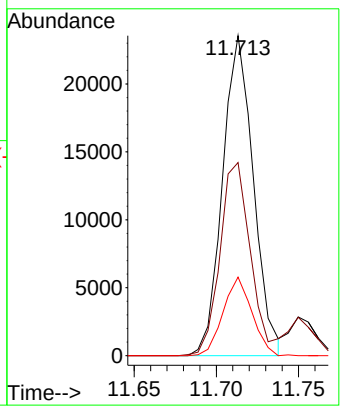





#83
tert-Butylbenzene
Concen: 4.864 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:119 Resp: 3072

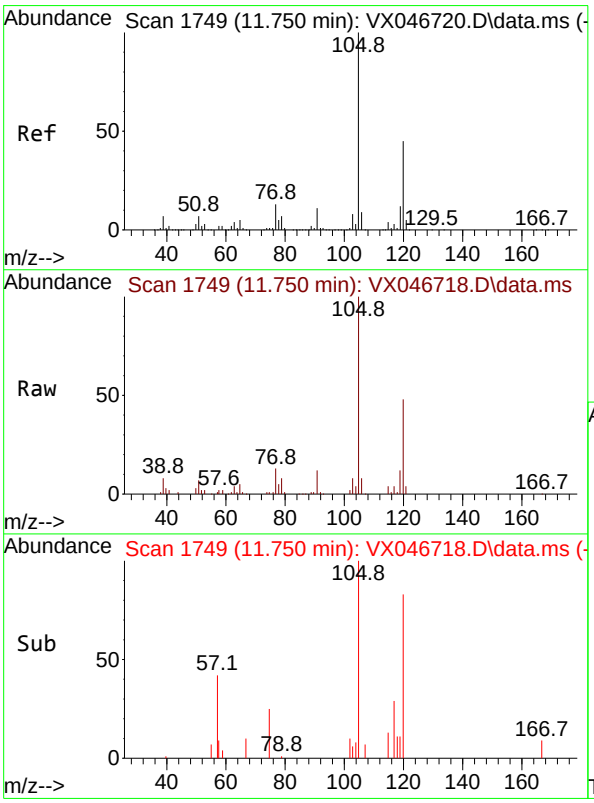
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.3 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

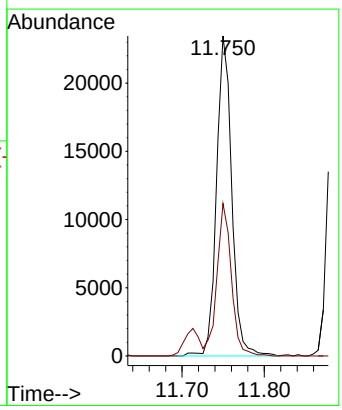
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

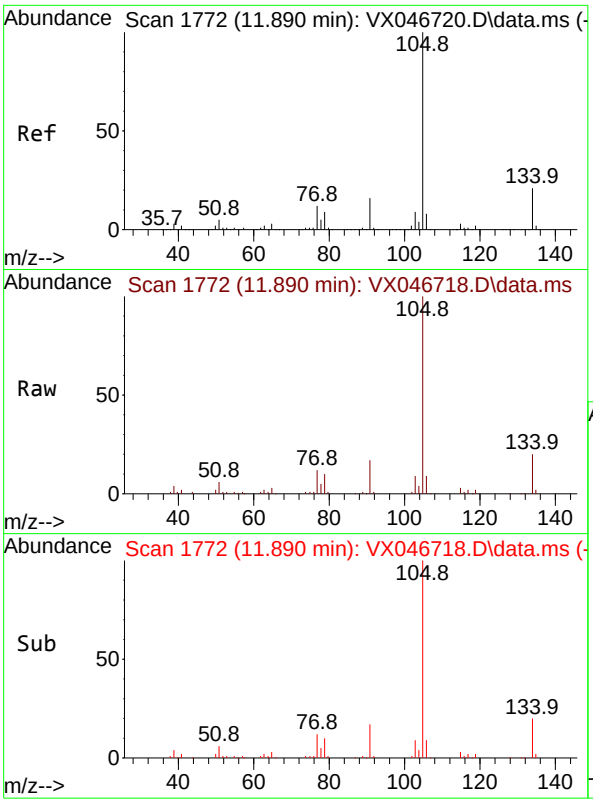



#84
1,2,4-Trimethylbenzene
Concen: 4.920 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 30213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 22.1 | 66.3 |

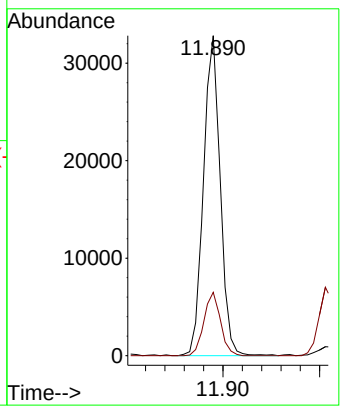





#85
sec-Butylbenzene
Concen: 4.958 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 3958

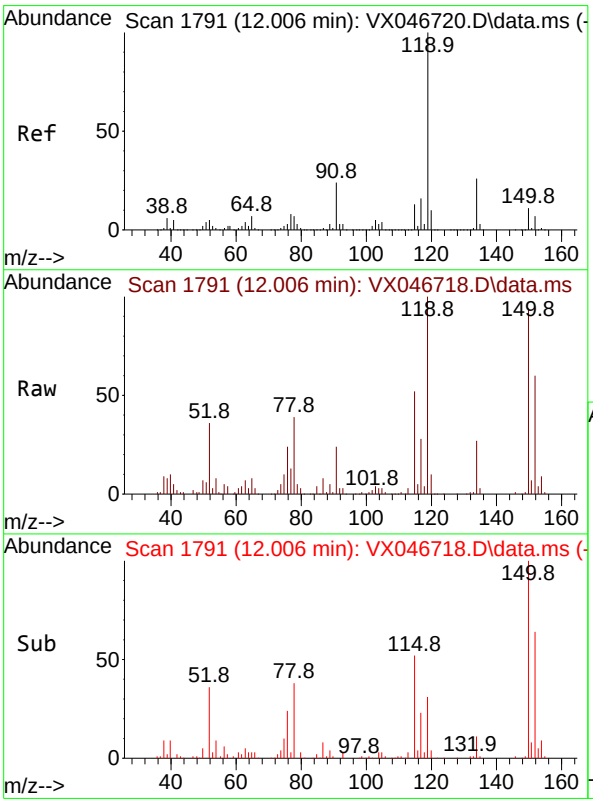
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

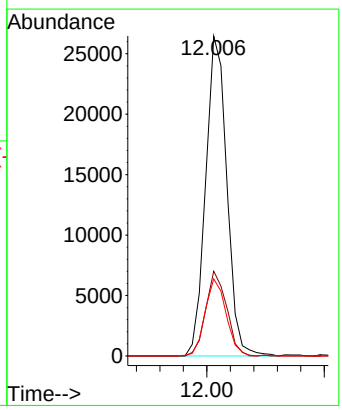
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

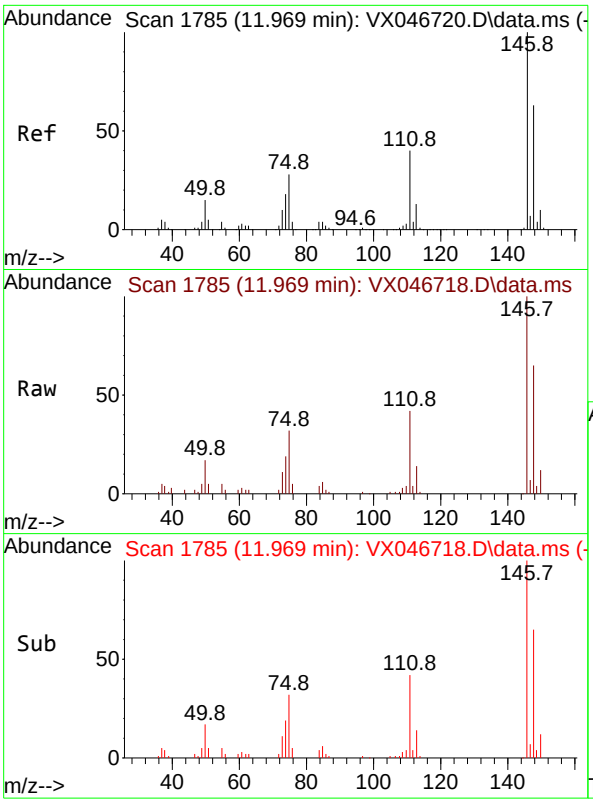



#86
p-Isopropyltoluene
Concen: 4.909 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:119 Resp: 33076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 23.9 | 12.3 | 36.9 |

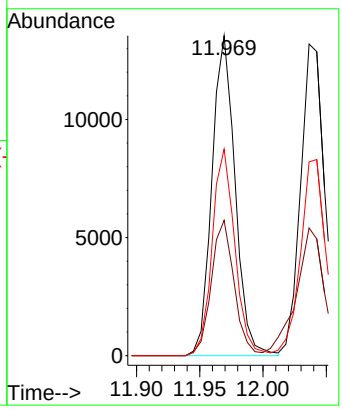





#87
1,3-Dichlorobenzene
Concen: 4.928 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:146 Resp: 1719

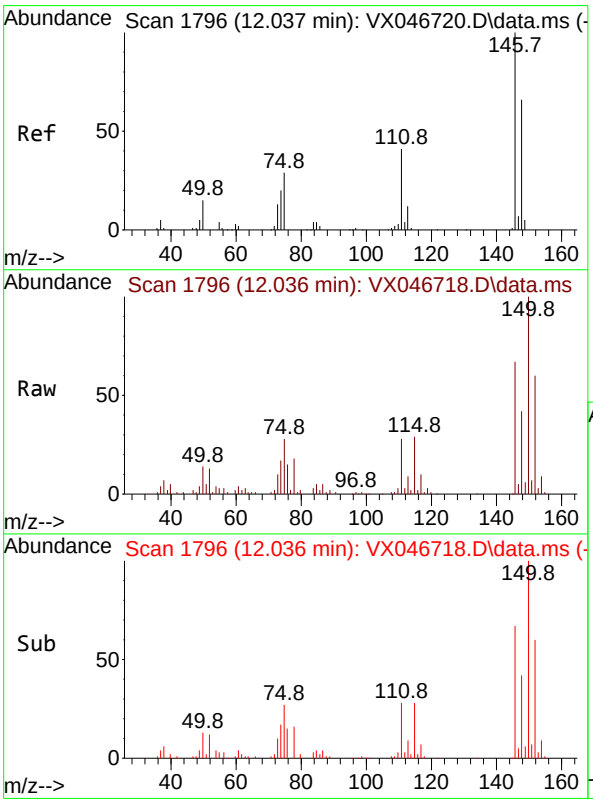
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.6 | 61.8 |
| 148 | 63.3 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

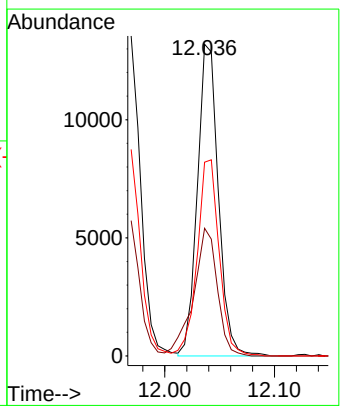
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

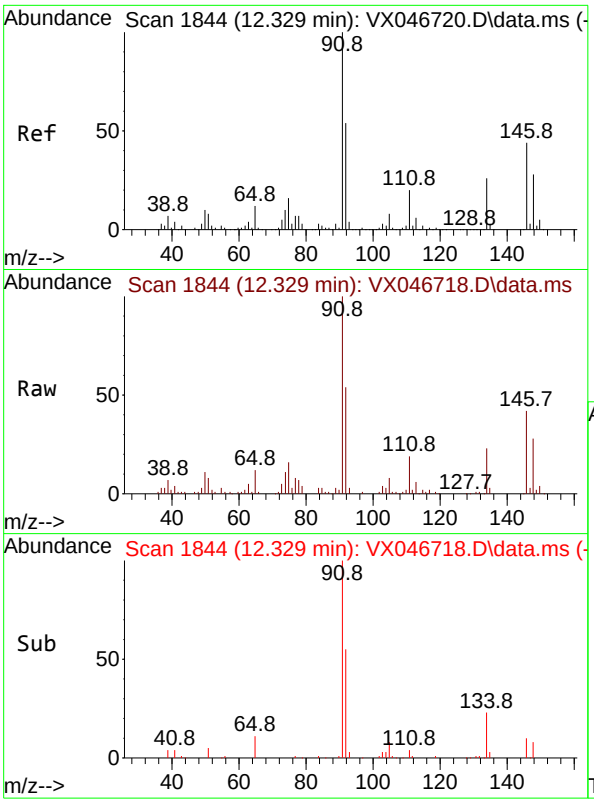



#88
1,4-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:146 Resp: 17600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 20.3 | 61.0 |
| 148 | 66.0 | 32.1 | 96.5 |






#89
n-Butylbenzene
Concen: 4.688 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

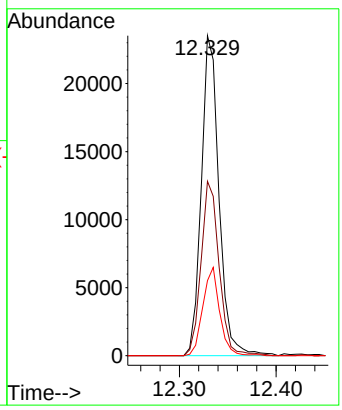
Tgt Ion: 91 Resp: 2999

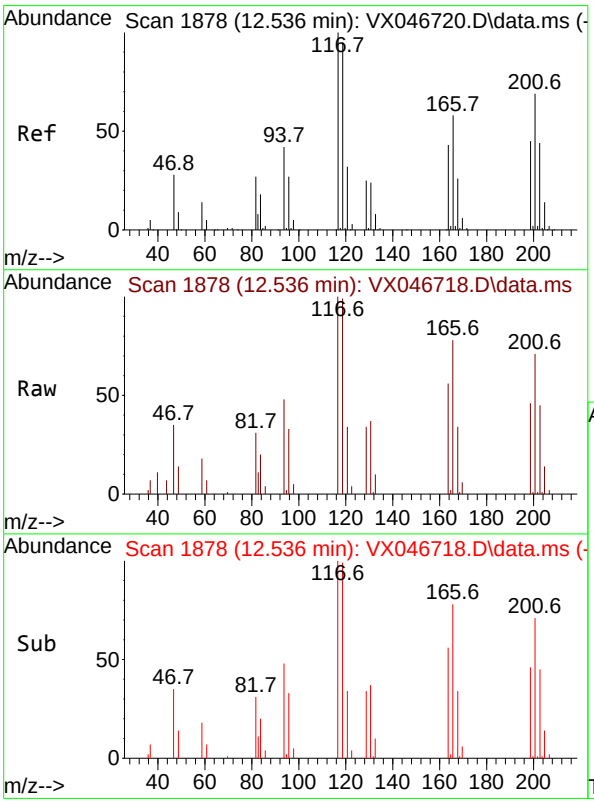
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.6 | 27.1 | 81.3 |
| 134 | 26.3 | 12.9 | 38.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

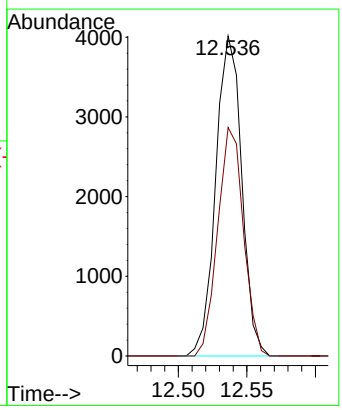


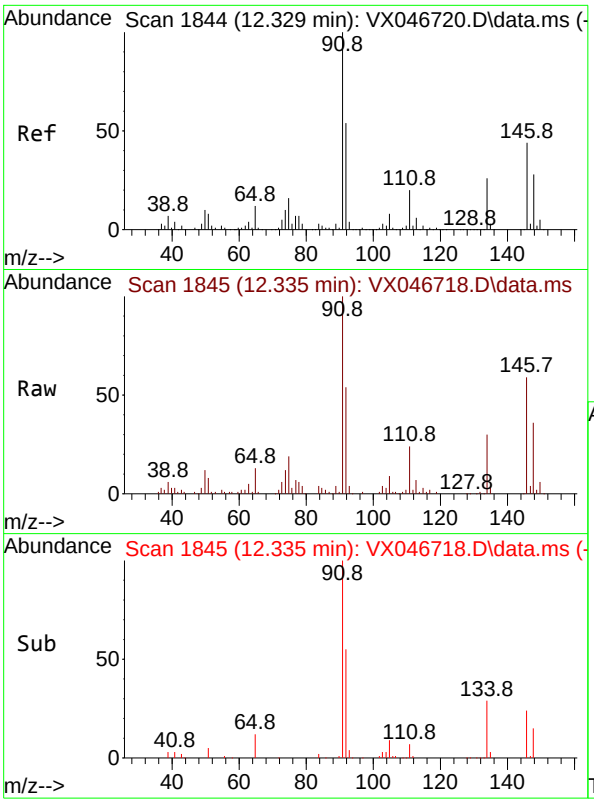




#90
Hexachloroethane
Concen: 4.480 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:117 Resp: 5285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.1 | 34.4 | 103.3 |

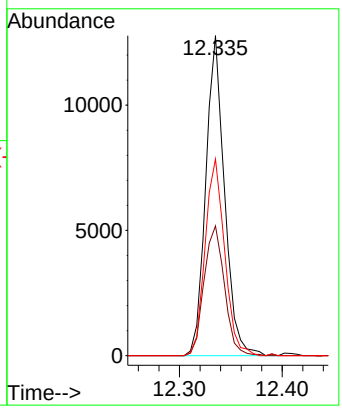





#91
1,2-Dichlorobenzene
Concen: 4.968 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:146 Resp: 1620

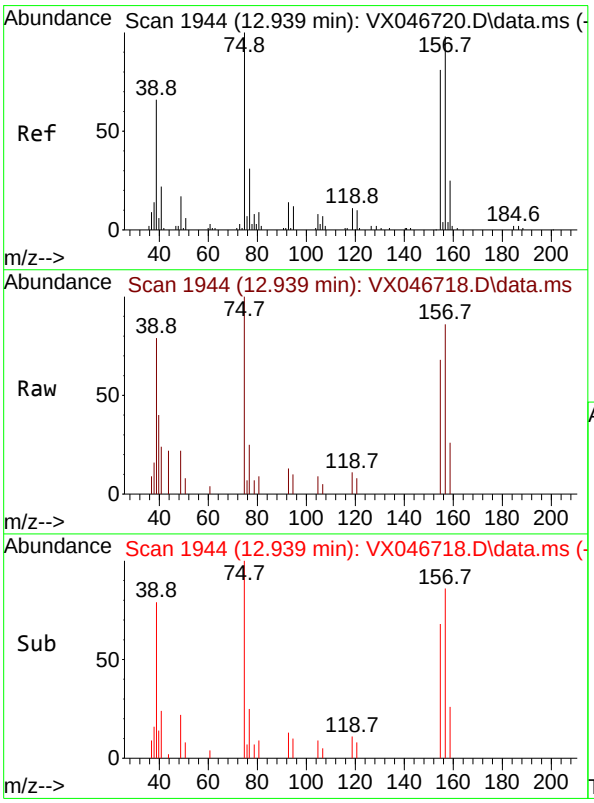
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.7 | 65.1 |
| 148 | 64.0 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

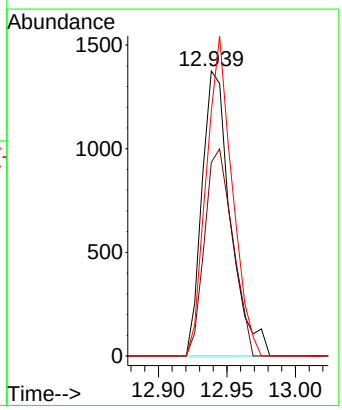
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

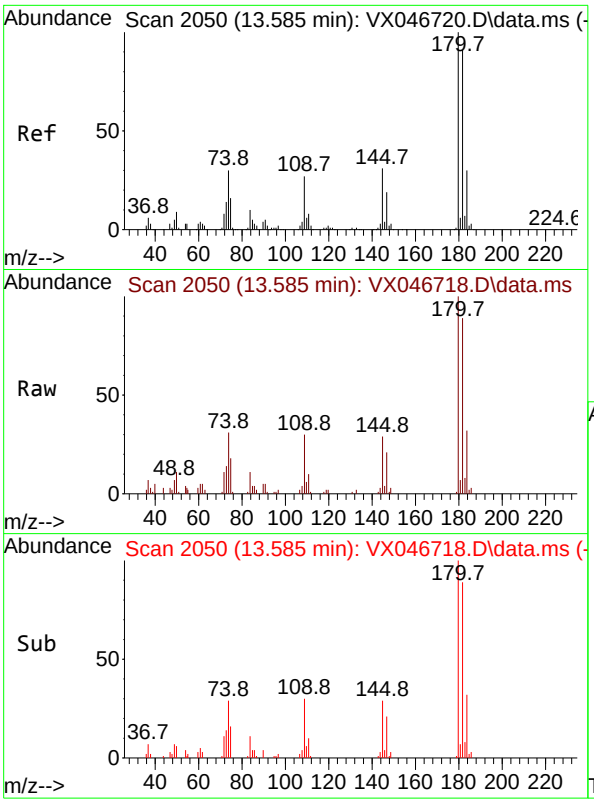



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.834 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.2 | 41.9 | 125.7 |
| 157 | 102.4 | 51.4 | 154.3 |

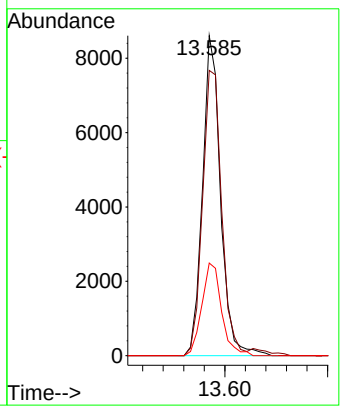





#93
1,2,4-Trichlorobenzene
Concen: 4.532 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:180 Resp: 1050

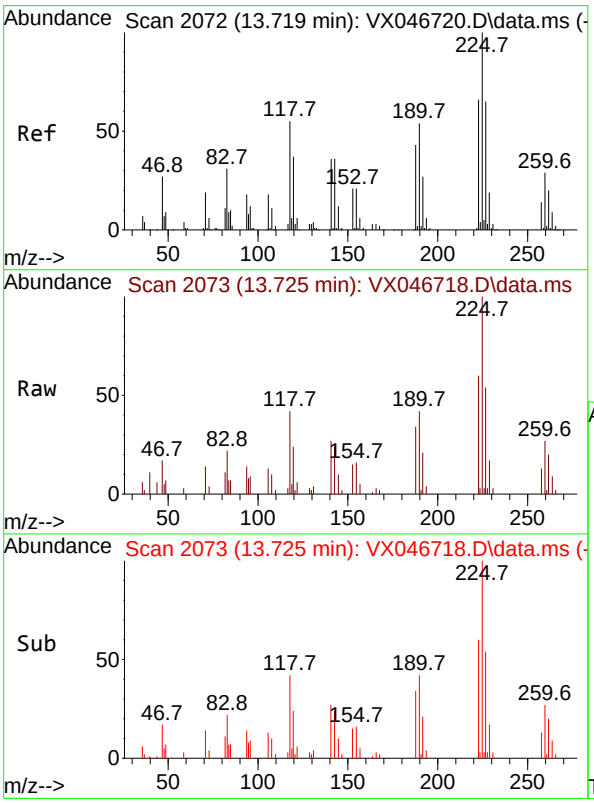
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

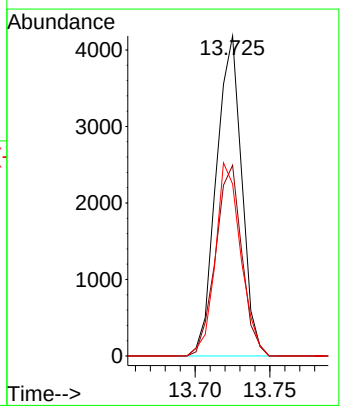
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

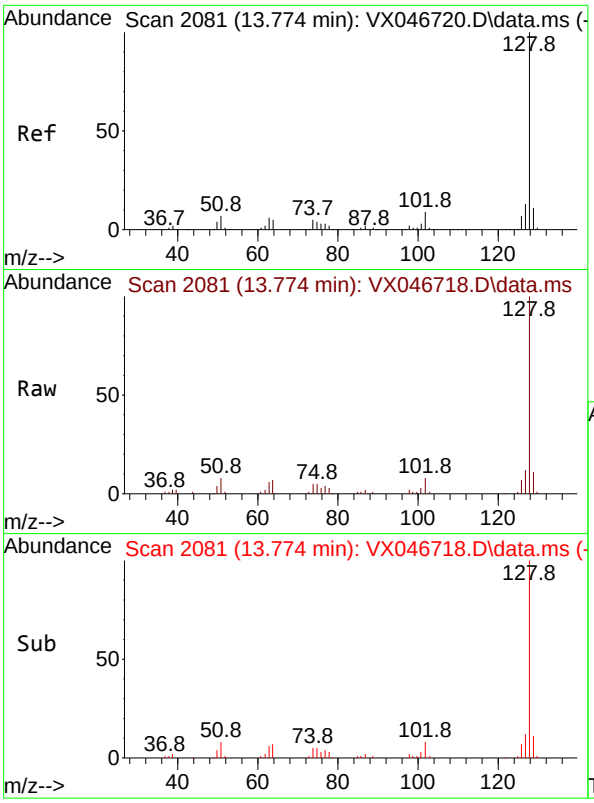



#94
Hexachlorobutadiene
Concen: 5.078 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:225 Resp: 4953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.5 | 32.5 | 97.5 |
| 227 | 60.3 | 32.2 | 96.6 |

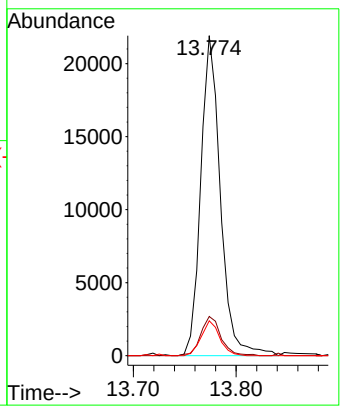





#95
Naphthalene
Concen: 4.414 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:128 Resp: 2915

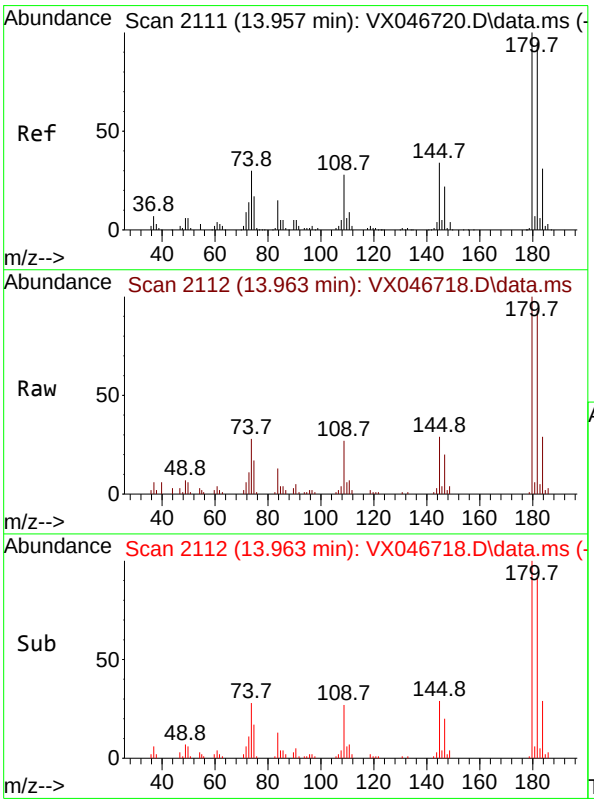
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.3 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

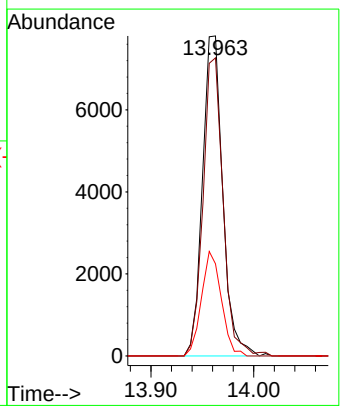
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 4.835 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:180 Resp: 10725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.3 | 47.8 | 143.4 |
| 145 | 32.0 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 134732 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226567 | 50.000 | ug/l | -0.01 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197947 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98285 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 30582 | 16.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 32.820%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 24156 | 16.114 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 32.220%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 88197 | 16.376 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 32.760%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 32067 | 15.973 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 31.940%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 27297 | 18.977 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 30731 | 19.793 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 34049 | 20.565 | ug/l | 96 |
| 5) Bromomethane | 1.618 | 94 | 19805 | 21.261 | ug/l | 91 |
| 6) Chloroethane | 1.697 | 64 | 20911 | 20.838 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 52480 | 20.875 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 18139 | 21.024 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 32778 | 21.253 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 30525 | 18.775 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 16360 | 97.808 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 30924 | 20.780 | ug/l | 92 |
| 13) Acrolein | 2.246 | 56 | 20036 | 82.237 | ug/l | 98 |
| 14) Allyl chloride | 2.672 | 41 | 56147 | 20.823 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 77278 | 102.746 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 59747 | 96.140 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 88625 | 19.721 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 31812 | 20.154 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 97187 | 20.974 | ug/l | 95 |
| 20) Methylene Chloride | 2.800 | 84 | 35302 | 20.426 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 33796 | 21.224 | ug/l | 95 |
| 22) Diisopropyl ether | 3.764 | 45 | 111712 | 21.555 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 433313 | 105.140 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 62164 | 21.126 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 87671 | 99.748 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 42992 | 20.032 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 39374 | 21.047 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 24738 | 18.544 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 56765 | 99.990 | ug/l | 98 |
| 30) Chloroform | 5.093 | 83 | 64109 | 21.785 | ug/l | 100 |
| 31) Cyclohexane | 5.477 | 56 | 58552 | 20.982 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 54542 | 21.133 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 44023 | 20.344 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 39916 | 19.984 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 48694 | 20.735 | ug/l | 97 |
| 39) Methylcyclohexane | 7.379 | 83 | 58170 | 20.428 | ug/l | 97 |
| 40) Benzene | 6.038 | 78 | 133872 | 20.904 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21970 | 20.632 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 47430 | 21.076 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 62432 | 19.975 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 33927 | 20.788 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 33688 | 21.226 | ug/l | | 94 |
| 46) Dibromomethane | 7.580 | 93 | 23569 | 20.663 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 49411 | 21.227 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 31856 | 20.322 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 8340 | 382.035 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 187509 | 100.586 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 84030 | 21.166 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 43852 | 20.304 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 50326 | 20.526 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30865 | 20.862 | ug/l | | 94 |
| 56) Ethyl methacrylate | 9.116 | 69 | 44702 | 20.468 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 52181 | 20.480 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 106505 | 93.878 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 129218 | 100.265 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 36392 | 20.872 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 31507 | 20.936 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 27988 | 20.408 | ug/l | | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 90868 | 20.796 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 31508 | 21.455 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 160761 | 21.056 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 121014 | 42.539 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 57689 | 21.638 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 99462 | 21.318 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 23372 | 20.898 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 153861 | 21.255 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 57185 | 20.851 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 42272 | 20.914 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 41901m | 20.989 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 37464 | 21.507 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 184078 | 21.410 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 107552 | 20.952 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 129635 | 21.793 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11694 | 18.362 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 127954 | 21.358 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 130359 | 21.201 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 128566 | 21.512 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 165047 | 21.239 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 138623 | 21.142 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 70243 | 20.681 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 71953 | 20.625 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 129101 | 20.738 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 23645 | 20.594 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 66883 | 21.073 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8071 | 20.226 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 44726 | 19.821 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 19698 | 20.752 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 129768 | 20.186 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 44380 | 20.558 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
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 :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

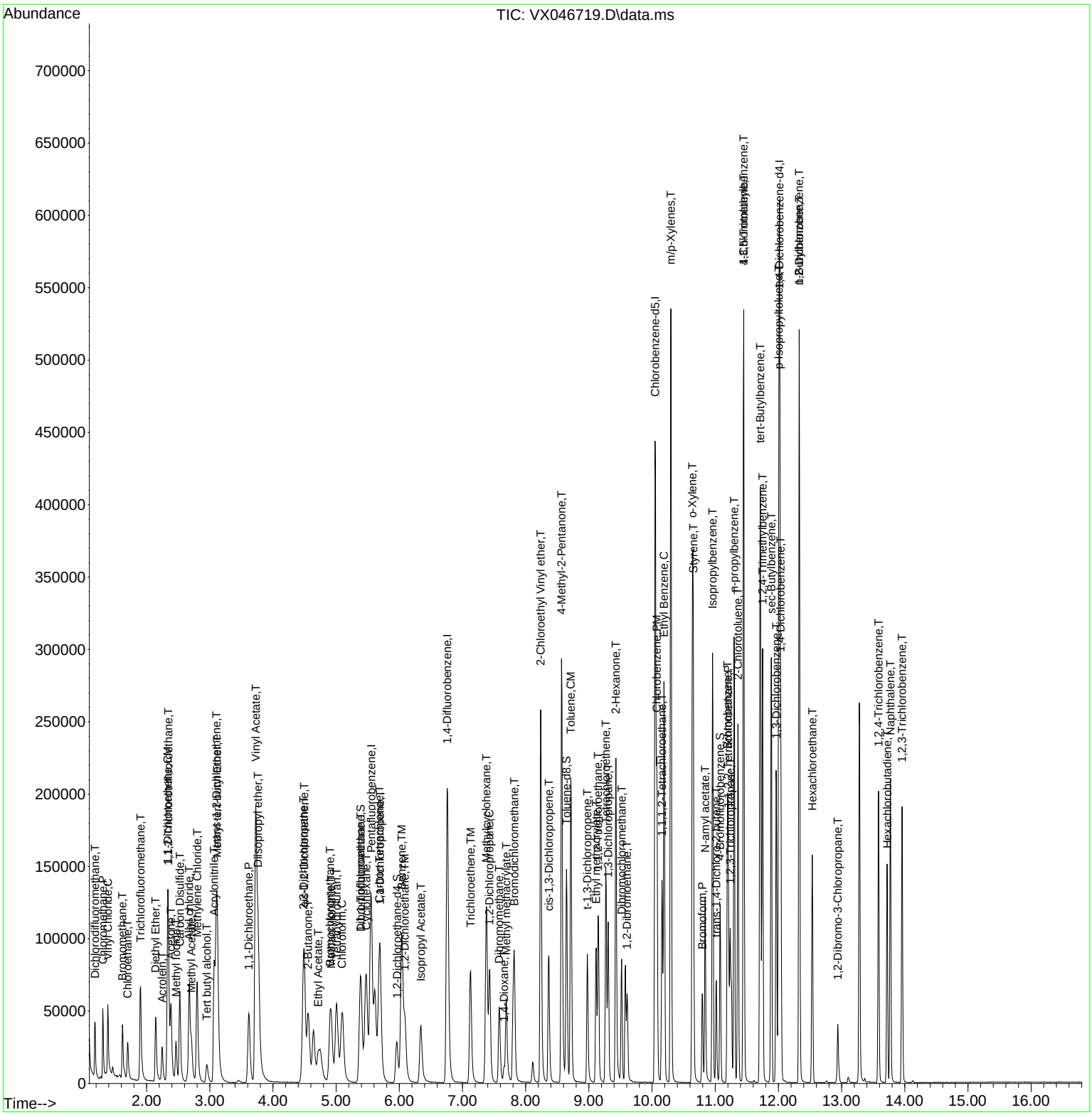
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

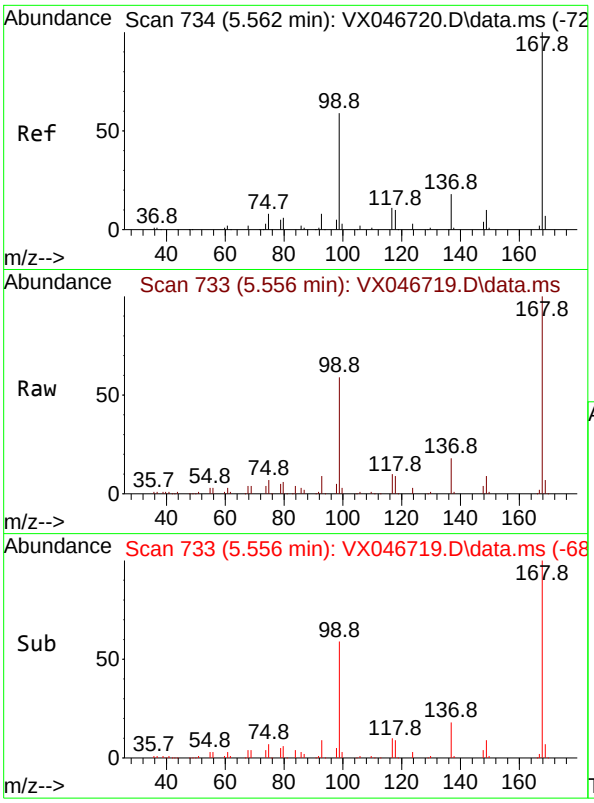
Quant Time: Jun 18 02:38:27 2025
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Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

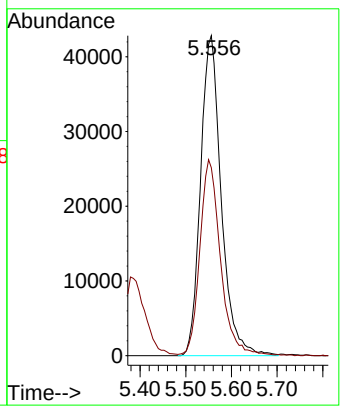





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:168 Resp: 13473

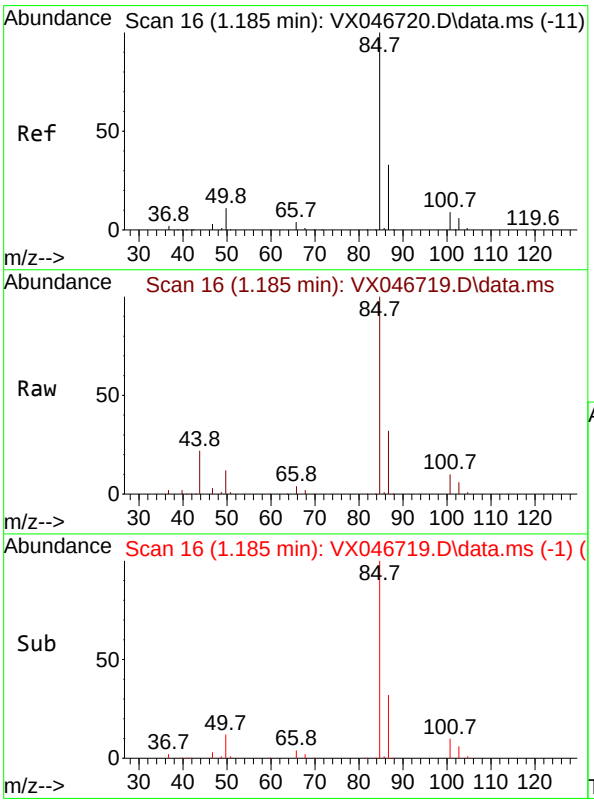
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.4 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

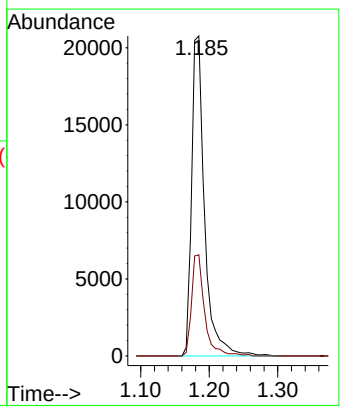
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

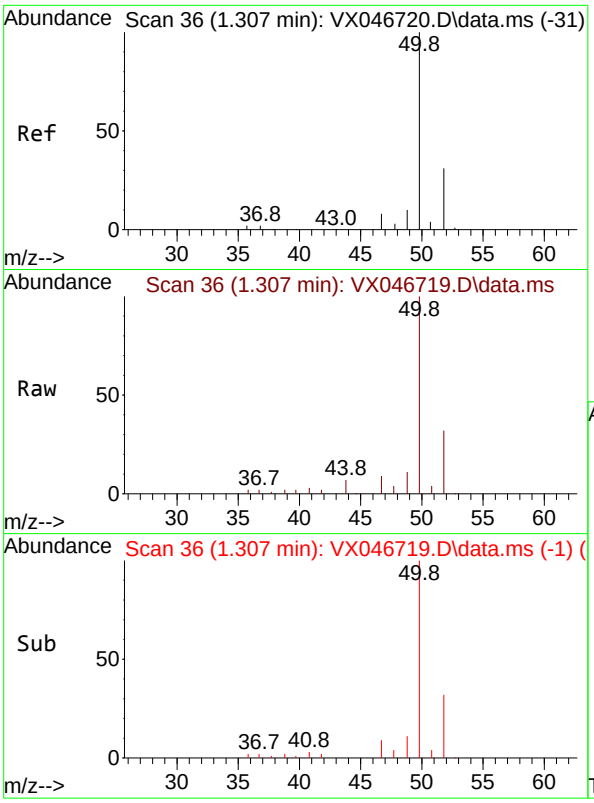



#2
Dichlorodifluoromethane
Concen: 18.977 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 85 Resp: 27297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 16.6 | 49.8 |

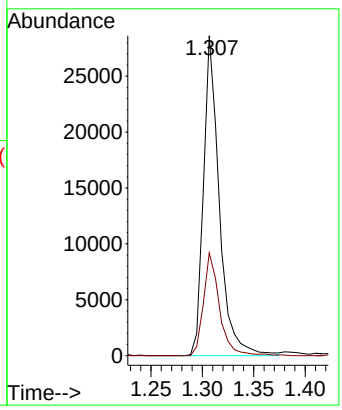





#3
Chloromethane
Concen: 19.793 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 50 Resp: 3073

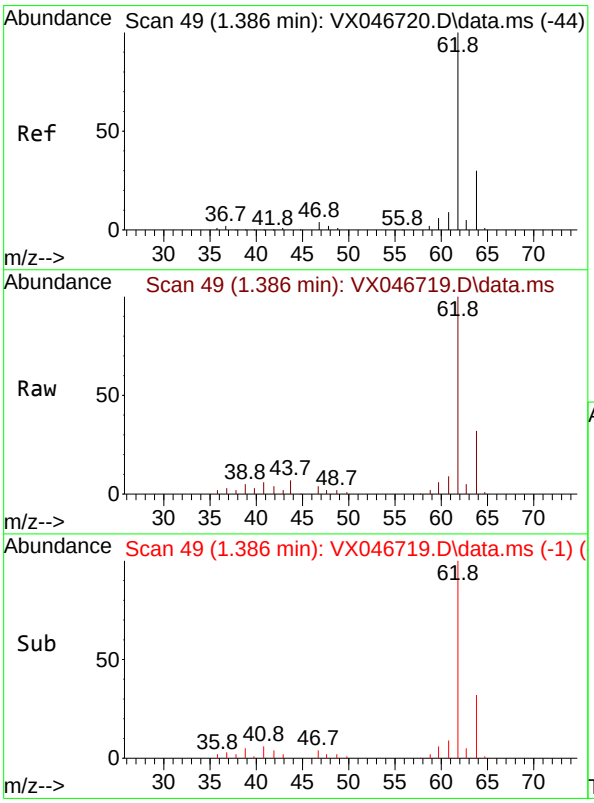
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

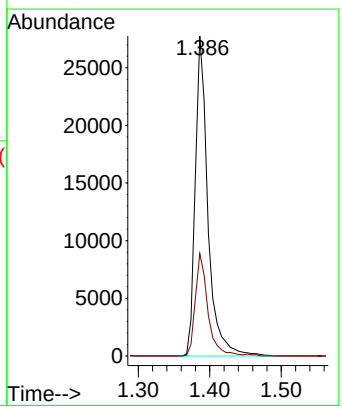
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

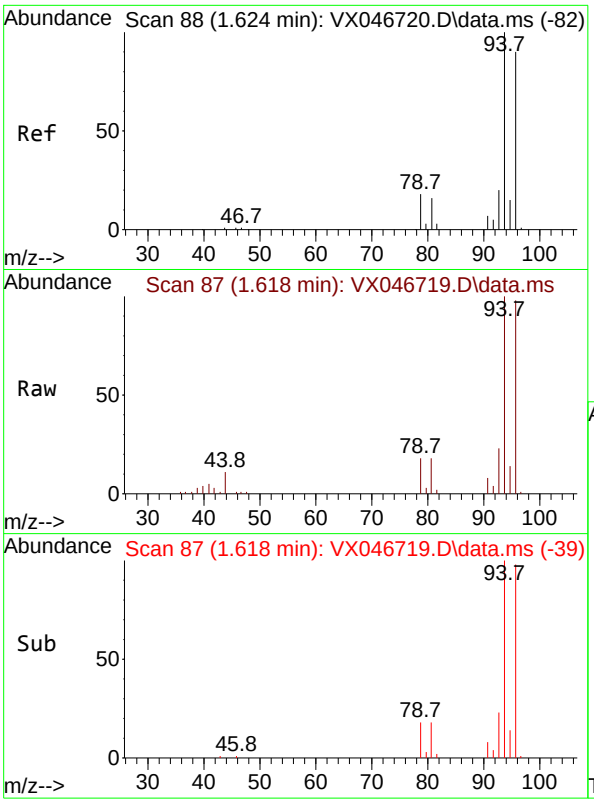



#4
Vinyl Chloride
Concen: 20.565 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 62 Resp: 34049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |

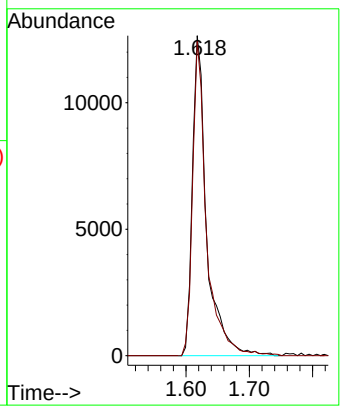





#5
Bromomethane
Concen: 21.261 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 94 Resp: 1980

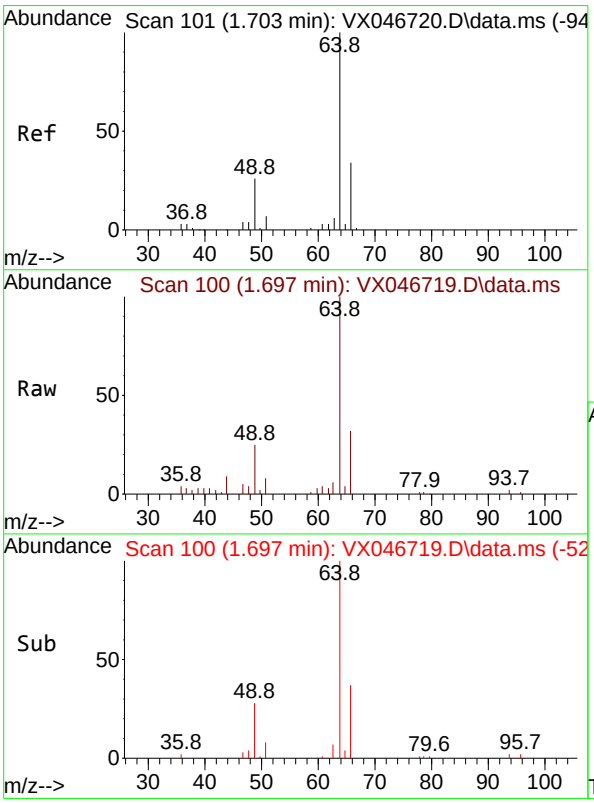
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 99.2 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

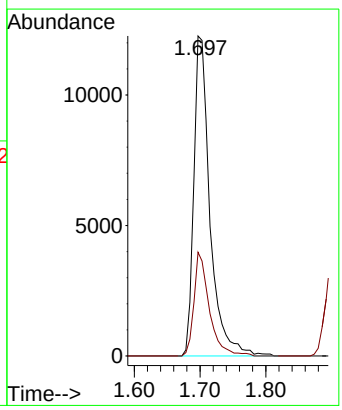
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

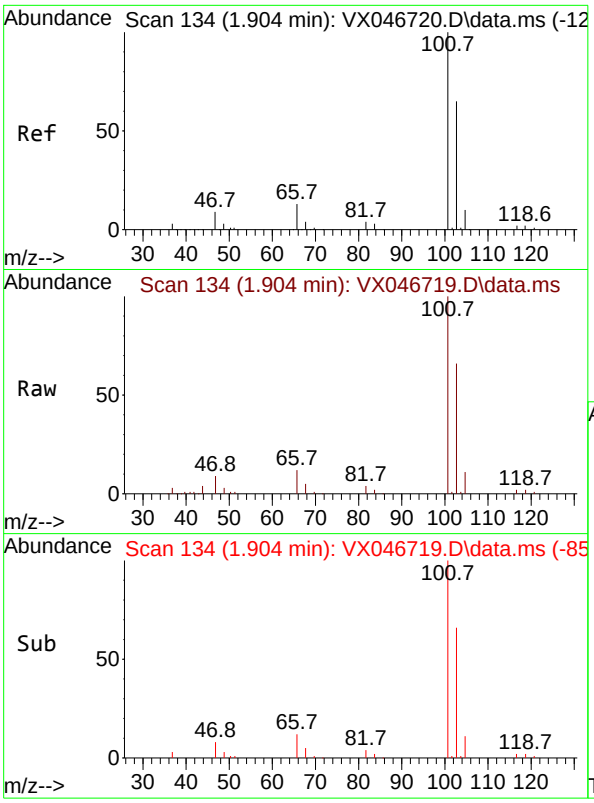



#6
Chloroethane
Concen: 20.838 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 64 Resp: 20911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 27.1 | 40.7 |

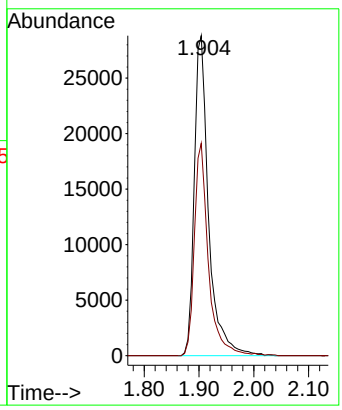





#7
Trichlorofluoromethane
Concen: 20.875 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:101 Resp: 5248

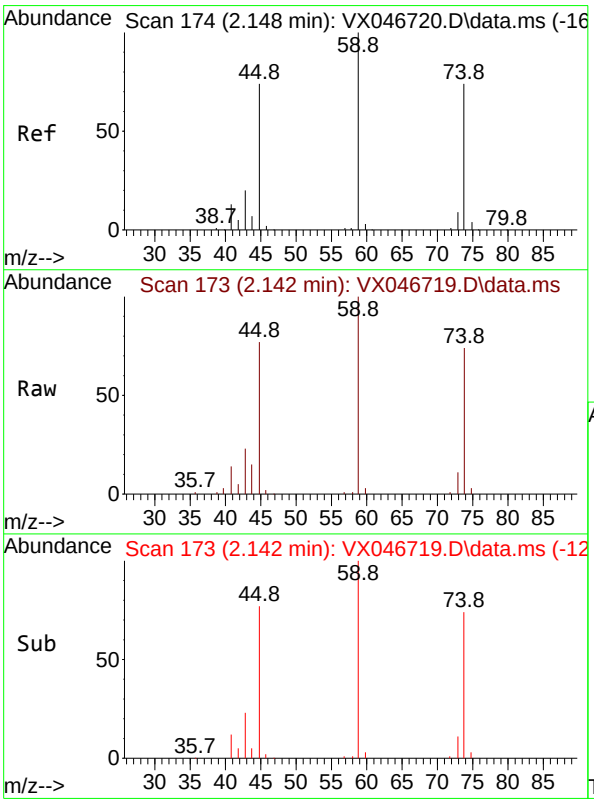
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

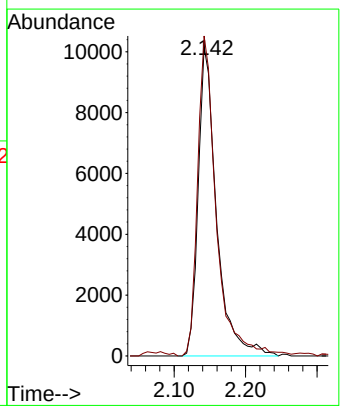
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

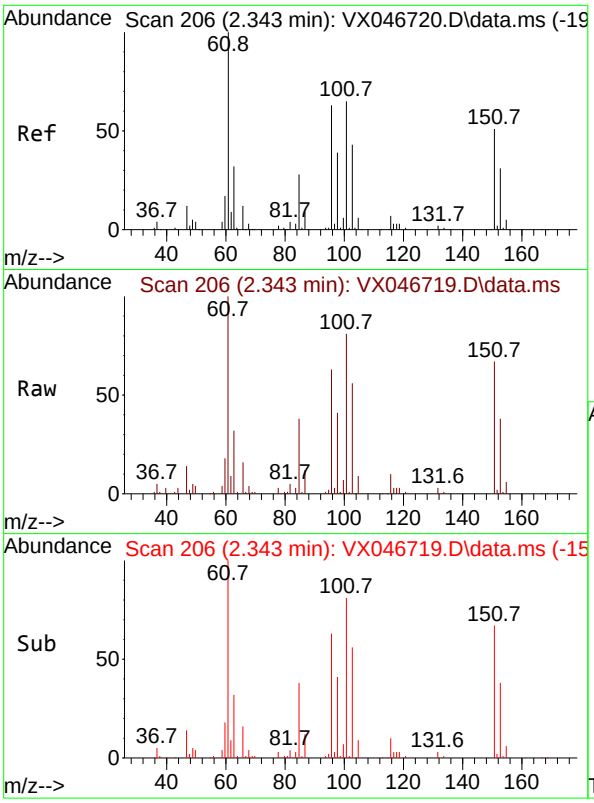



#8
Diethyl Ether
Concen: 21.024 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 74 Resp: 18139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.8 | 52.3 | 157.1 |

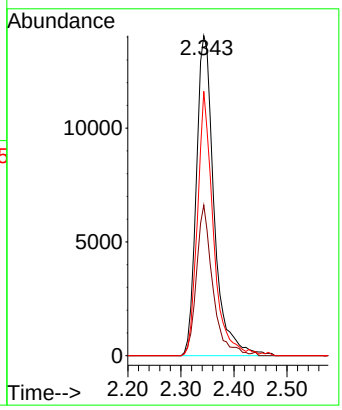





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.253 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:101 Resp: 3277

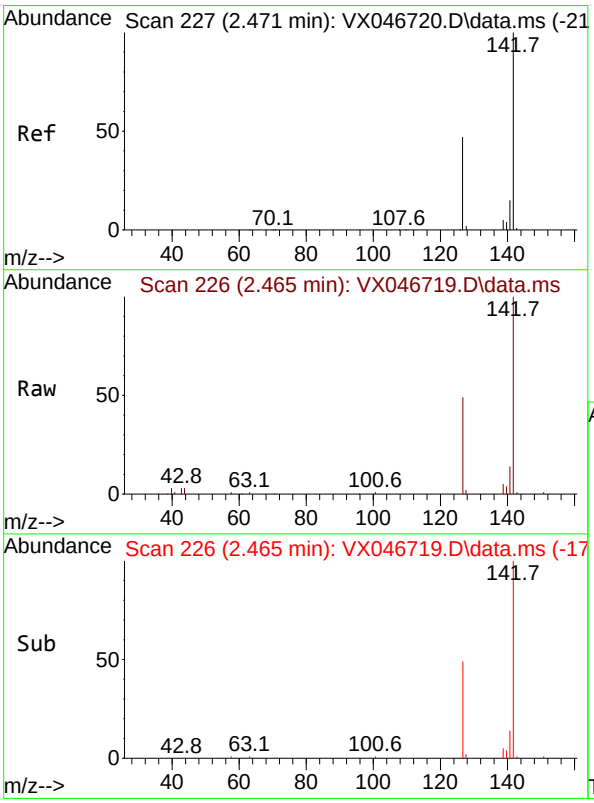
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.4 | 35.4 | 53.0 |
| 151 | 74.1 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

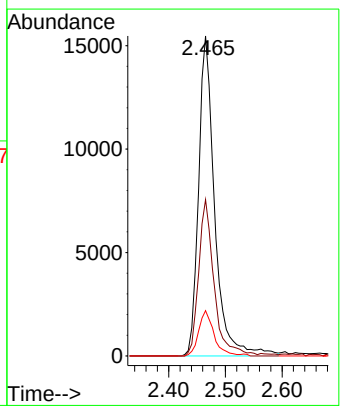
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

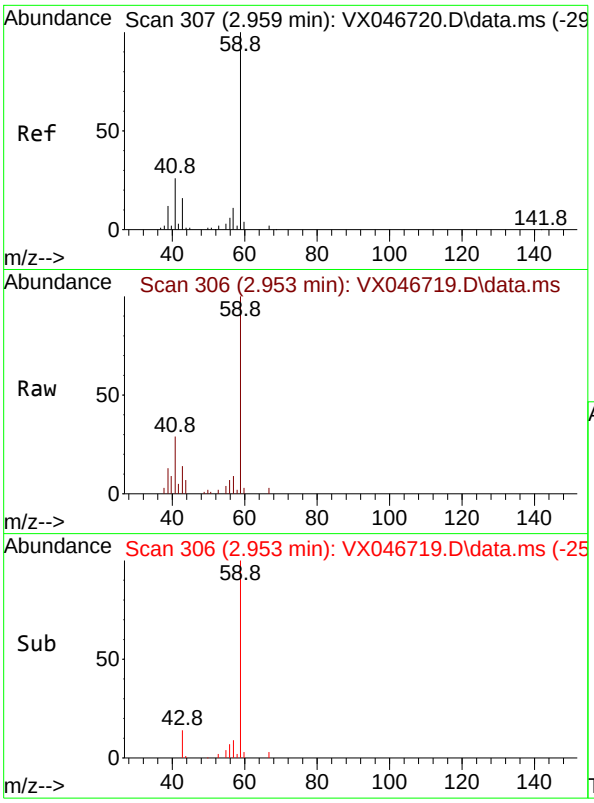



#10
Methyl Iodide
Concen: 18.775 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:142 Resp: 30525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.7 | 37.0 | 55.6 |
| 141 | 13.7 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 97.808 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

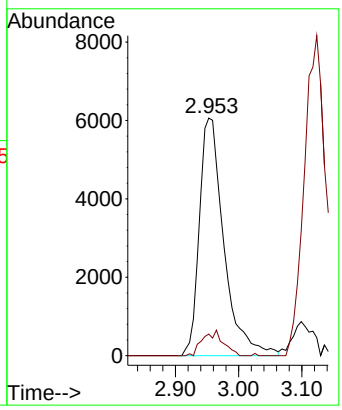
Tgt Ion: 59 Resp: 1636

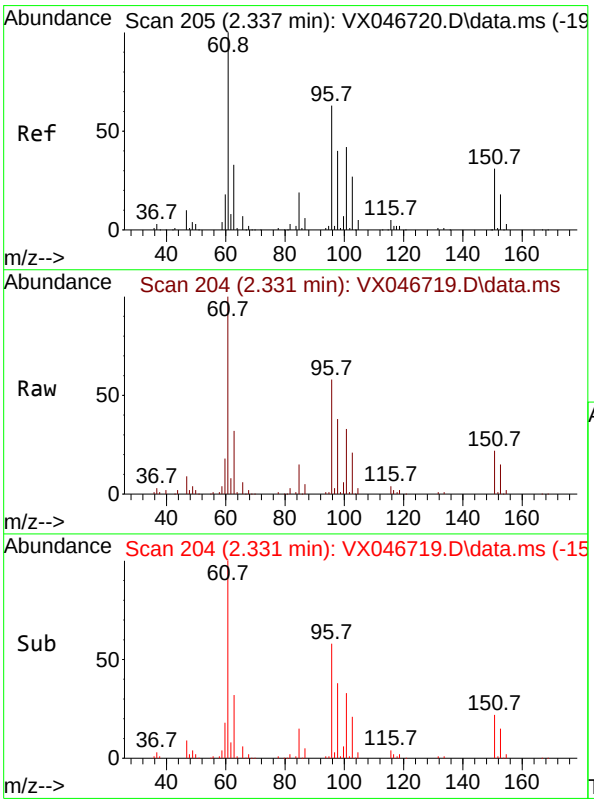
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.9 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

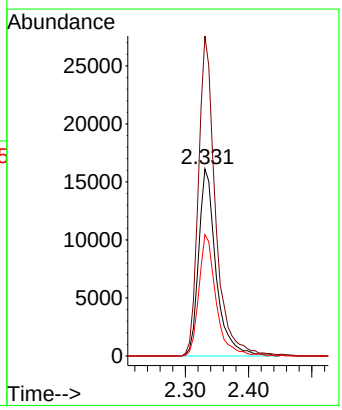


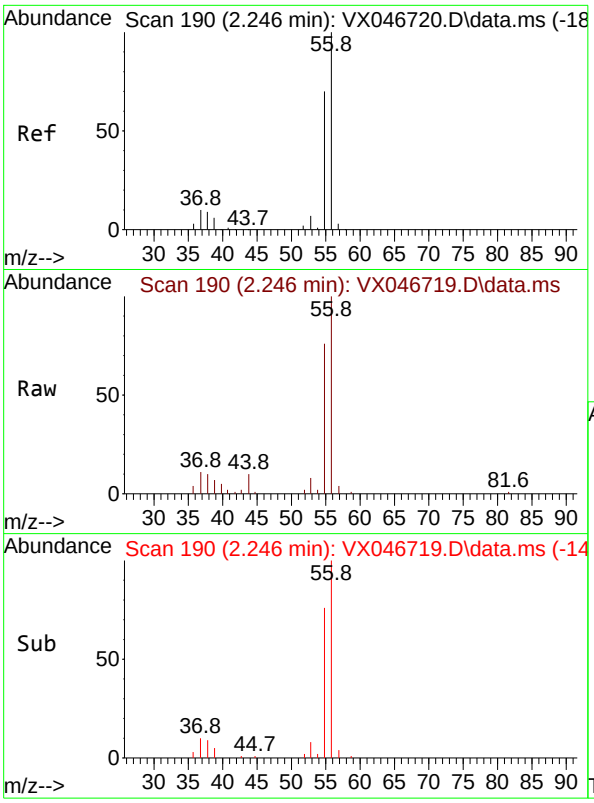




#12
1,1-Dichloroethene
Concen: 20.780 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 96 Resp: 30924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 126.6 | 189.8 |
| 98 | 64.9 | 50.7 | 76.1 |

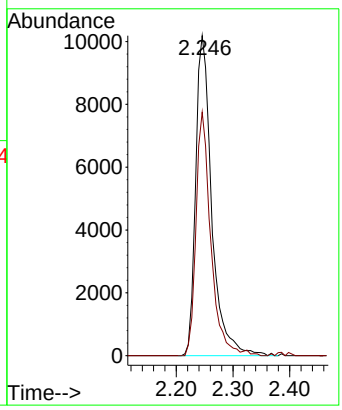





#13
Acrolein
Concen: 82.237 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 56 Resp: 2003

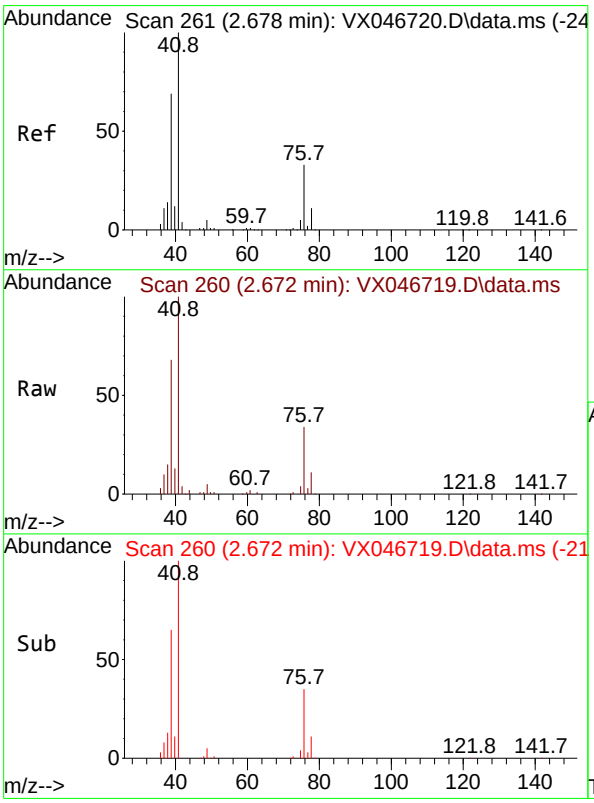
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

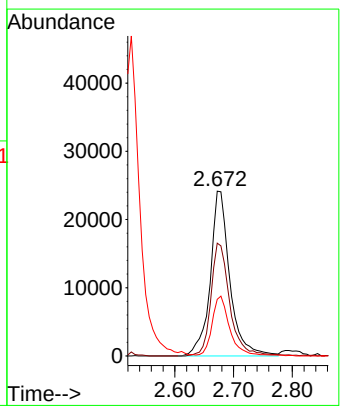
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

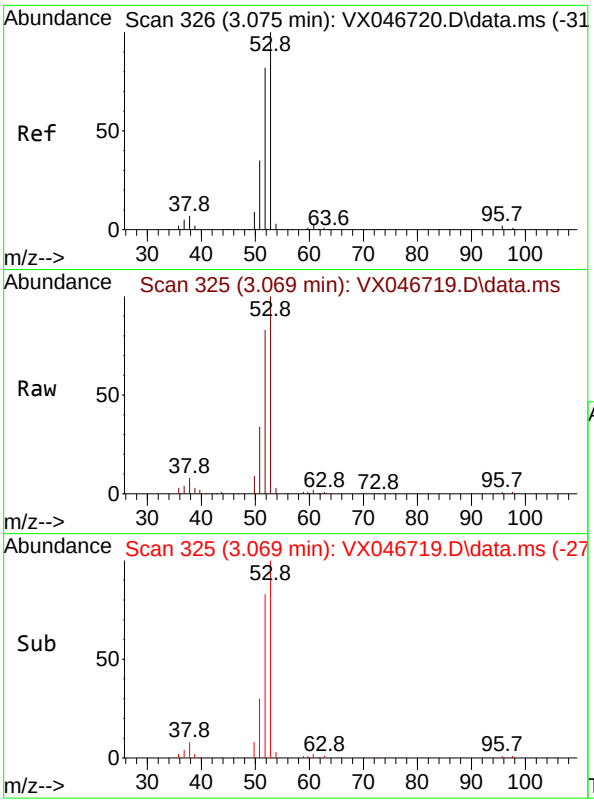



#14
Allyl chloride
Concen: 20.823 ug/l
RT: 2.672 min Scan# 260
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 41 Resp: 56147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.0 | 53.6 | 80.4 |
| 76 | 33.0 | 26.8 | 40.2 |

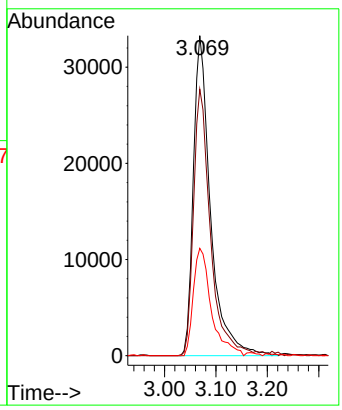





#15
Acrylonitrile
Concen: 102.746 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 53 Resp: 7727

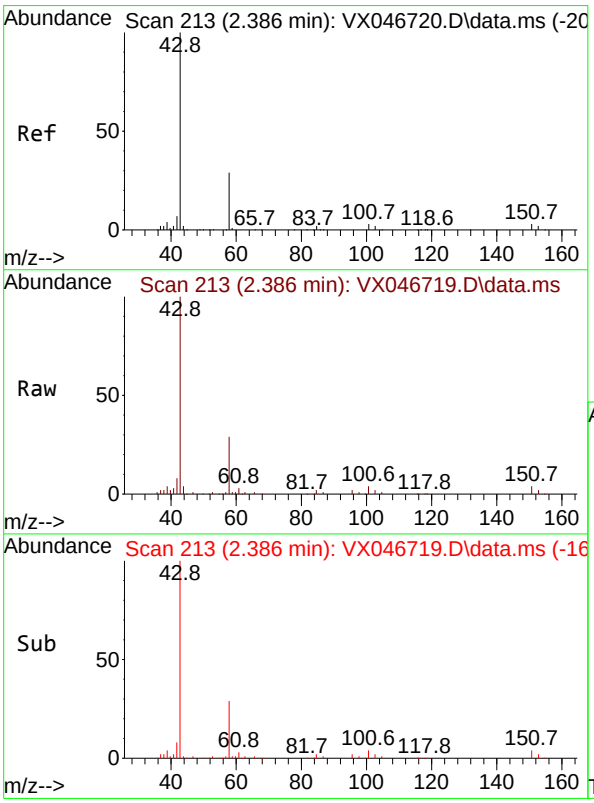
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 65.1 | 97.7 |
| 51 | 35.1 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

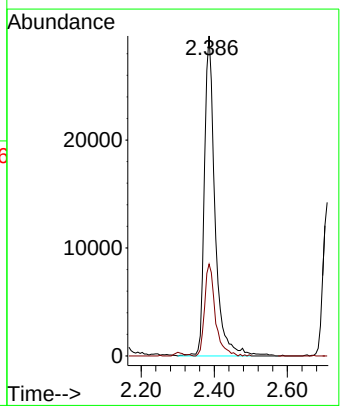
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

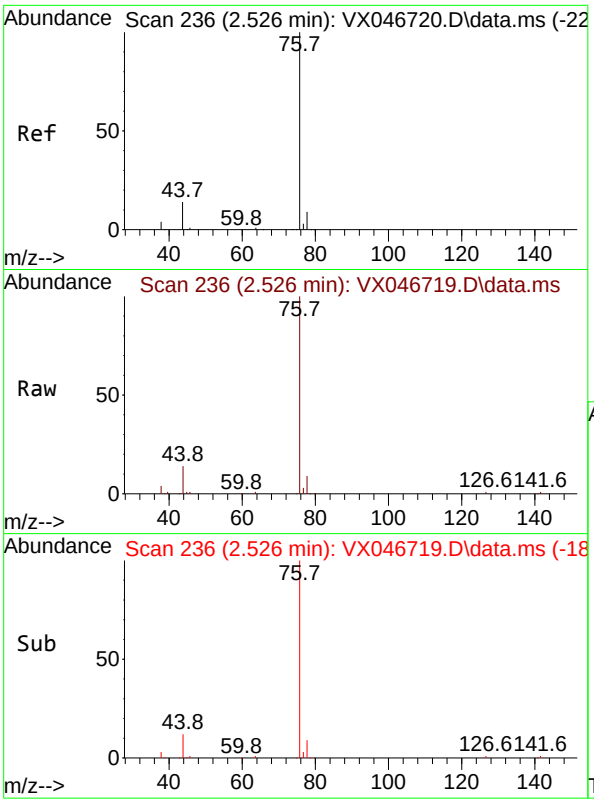



#16
Acetone
Concen: 96.140 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 59747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 24.5 | 36.7 |

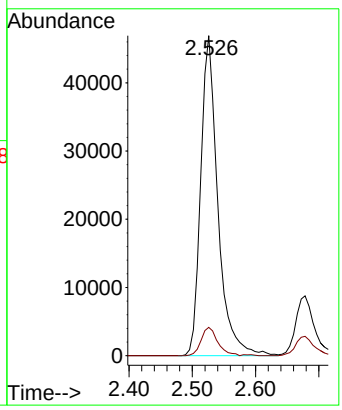





#17
Carbon Disulfide
Concen: 19.721 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 76 Resp: 8862

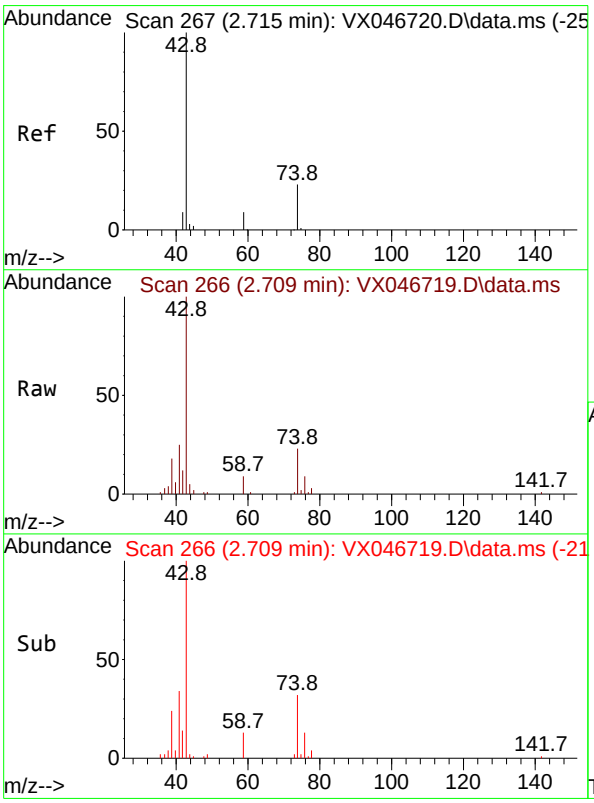
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

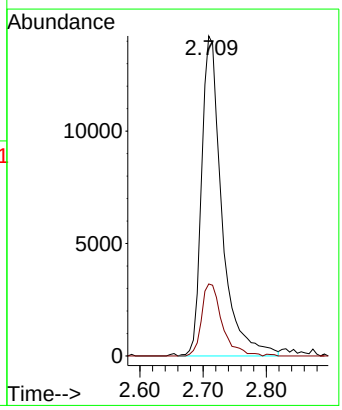
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

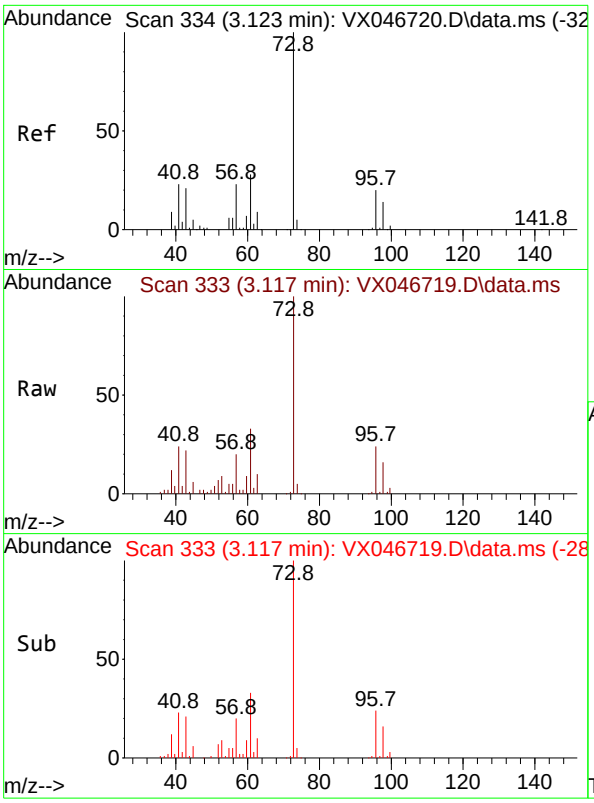



#18
Methyl Acetate
Concen: 20.154 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 31812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 18.4 | 27.6 |

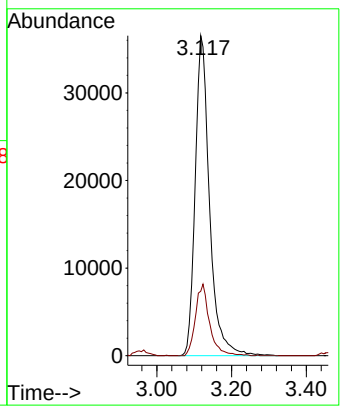





#19
Methyl tert-butyl Ether
Concen: 20.974 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 73 Resp: 9718

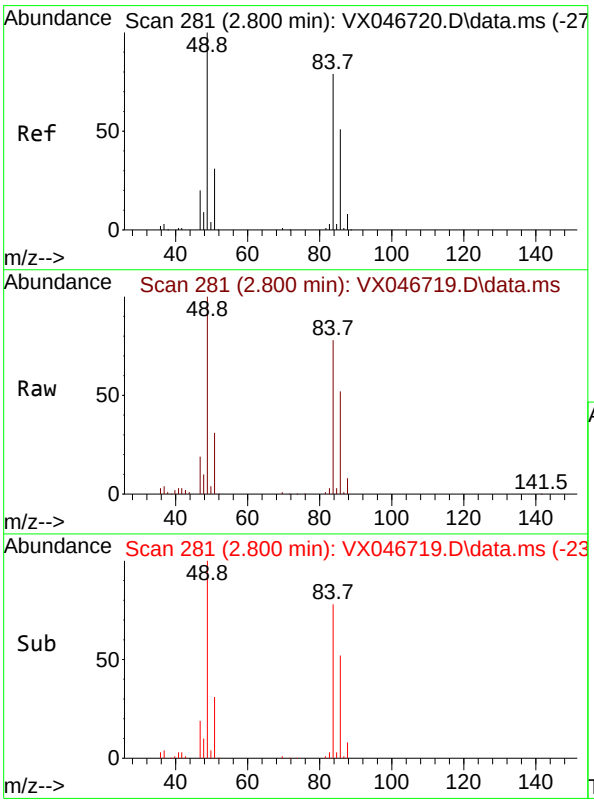
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

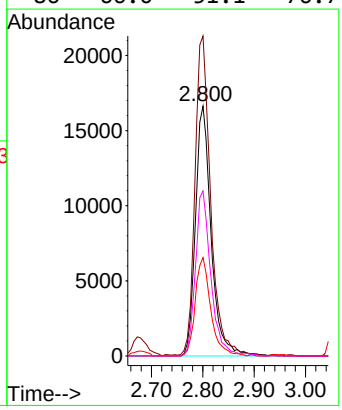
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

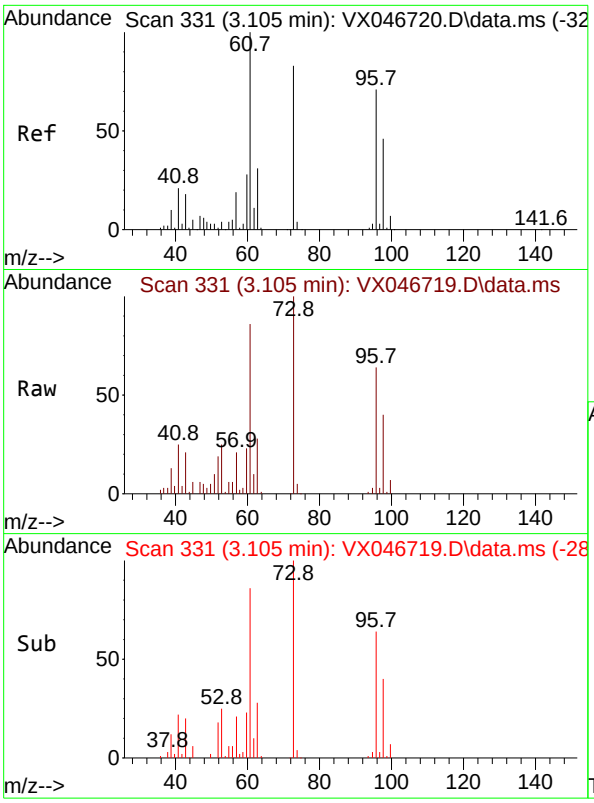



#20
Methylene Chloride
Concen: 20.426 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 84 Resp: 35302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 101.3 | 151.9 |
| 51 | 39.4 | 31.0 | 46.6 |
| 86 | 66.0 | 51.1 | 76.7 |

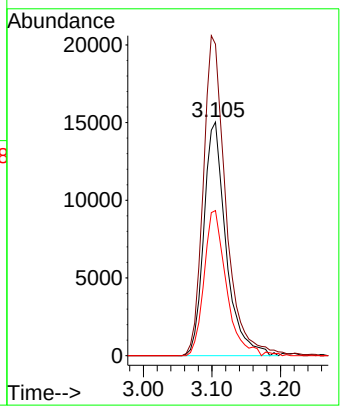





#21
trans-1,2-Dichloroethene
Concen: 21.224 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 96 Resp: 3379

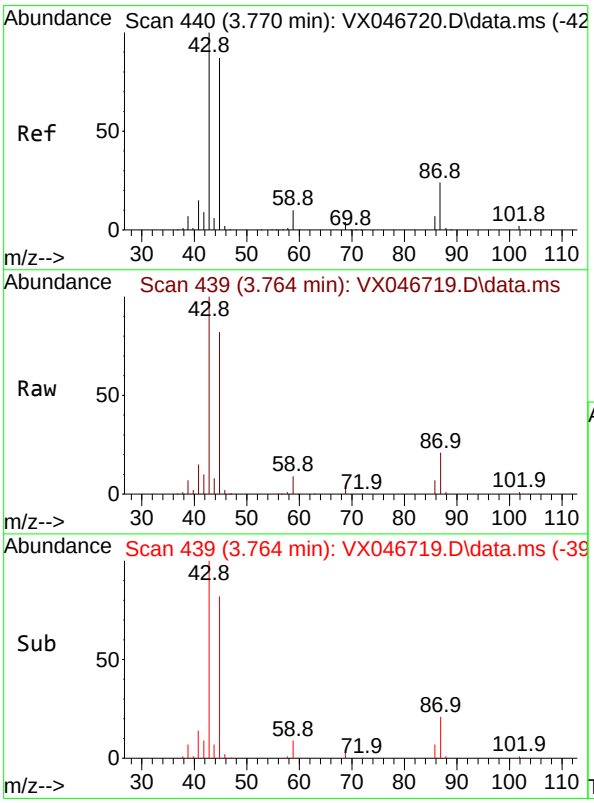
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.3 | 112.5 | 168.7 |
| 98 | 62.1 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

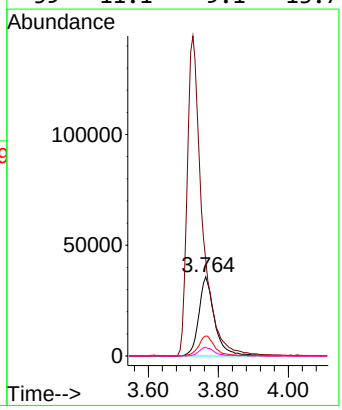
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

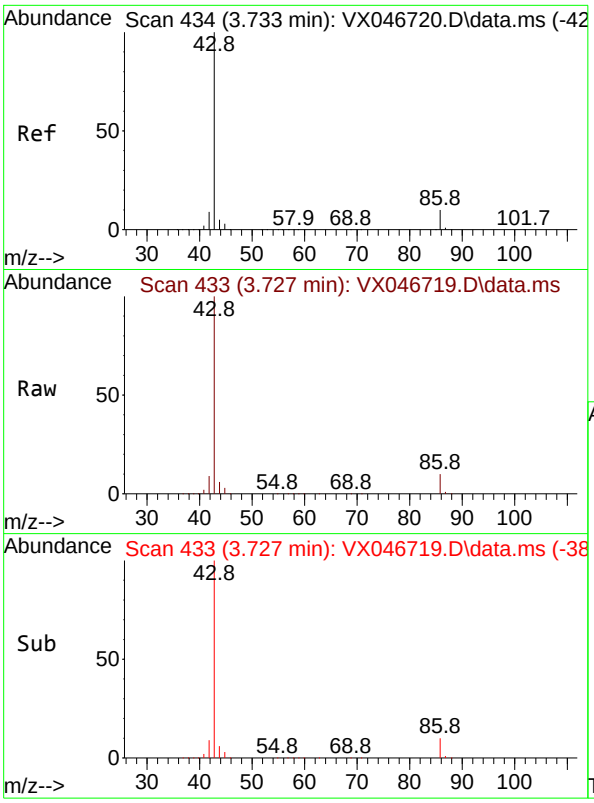



#22
Diisopropyl ether
Concen: 21.555 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 45 Resp: 111712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 120.9 | 91.9 | 137.9 |
| 87 | 25.2 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 105.140 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

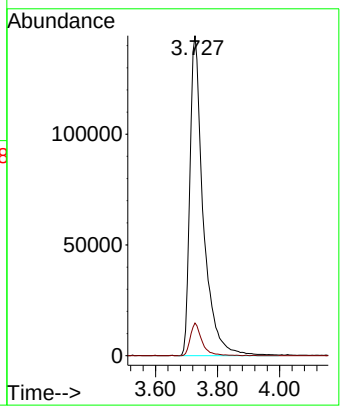
Tgt Ion: 43 Resp: 43331

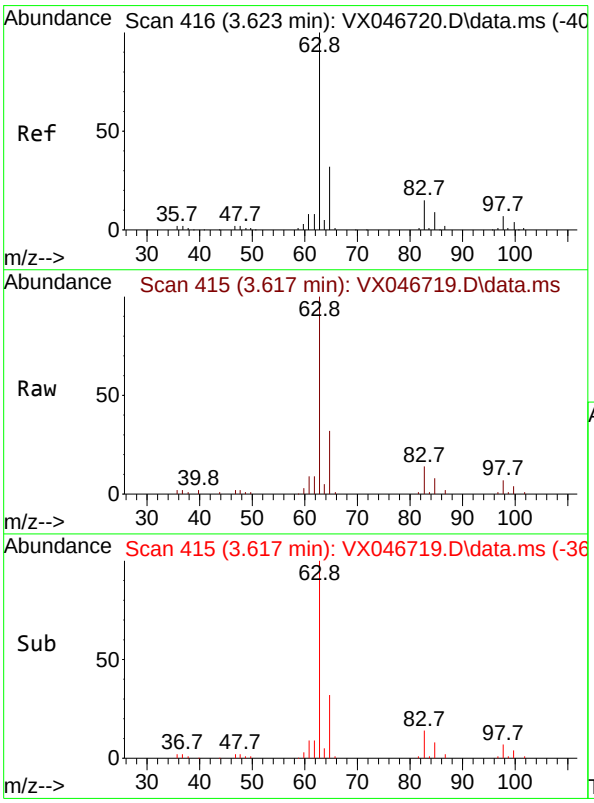
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

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Supervised By :Mahesh Dadoda 06/18/2025

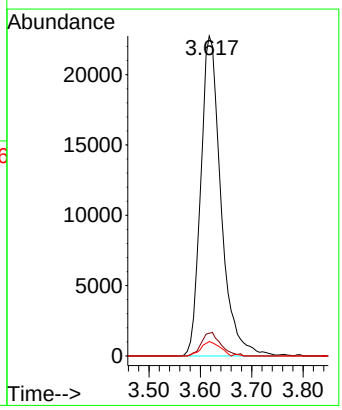


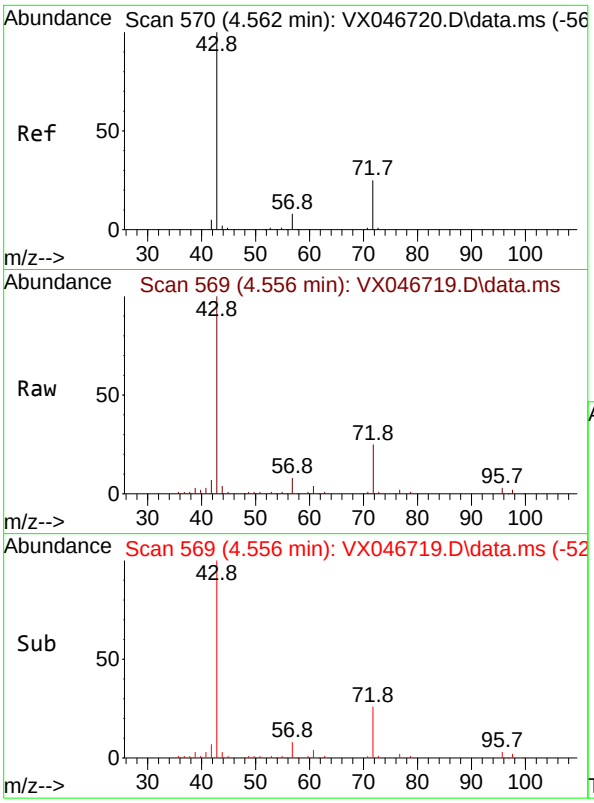




#24
1,1-Dichloroethane
Concen: 21.126 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 63 Resp: 62164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 4.0 | 11.9 |
| 100 | 4.5 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 99.748 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

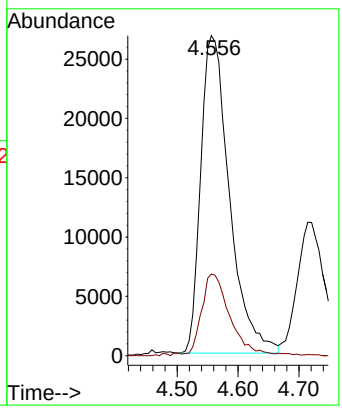
Tgt Ion: 43 Resp: 8767

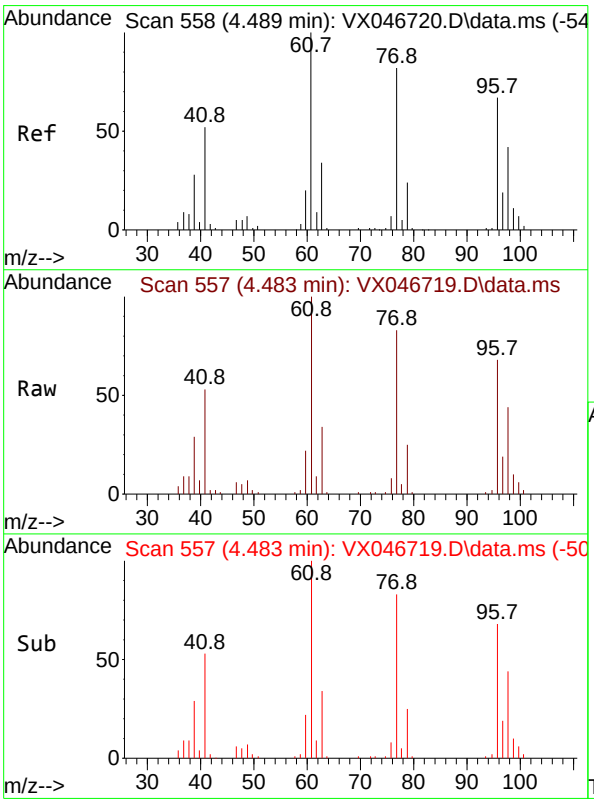
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.9 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

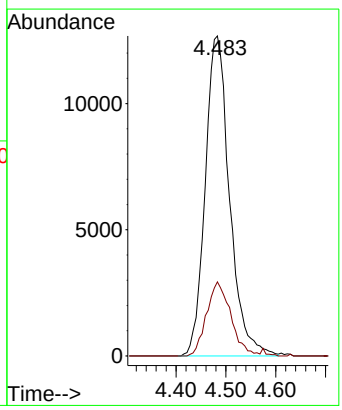


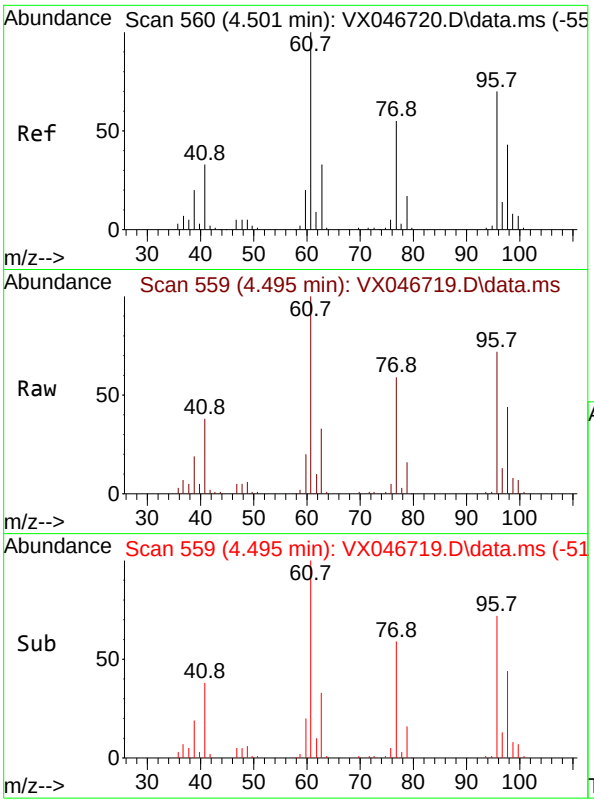




#26
2,2-Dichloropropane
Concen: 20.032 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 77 Resp: 42992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |

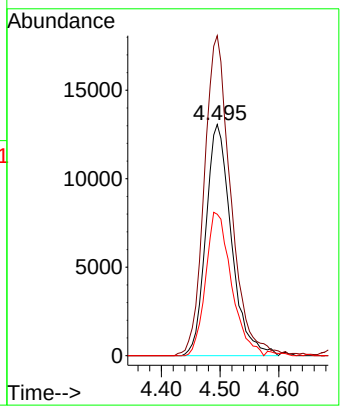





#27
cis-1,2-Dichloroethene
Concen: 21.047 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 96 Resp: 3937

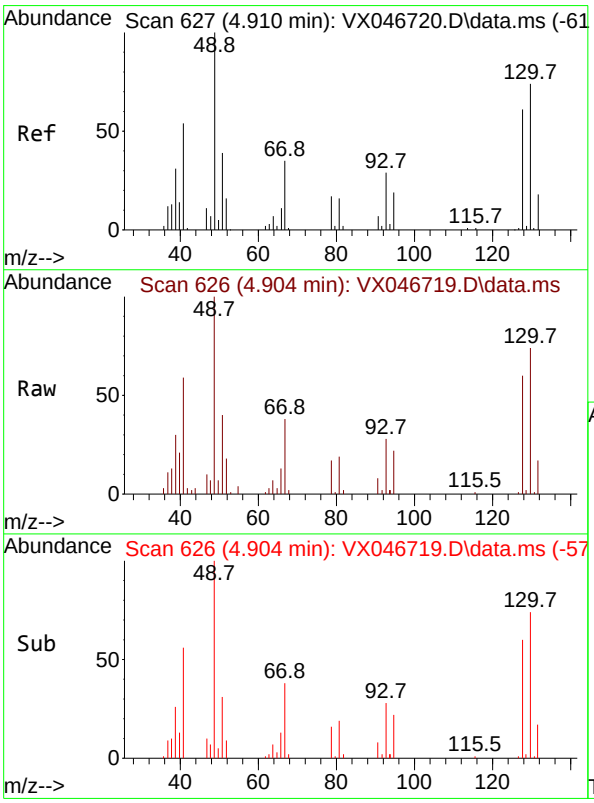
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 0.0 | 291.0 |
| 98 | 62.5 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

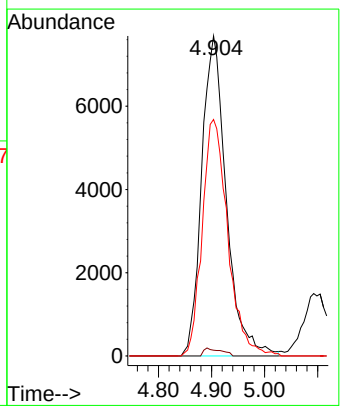
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

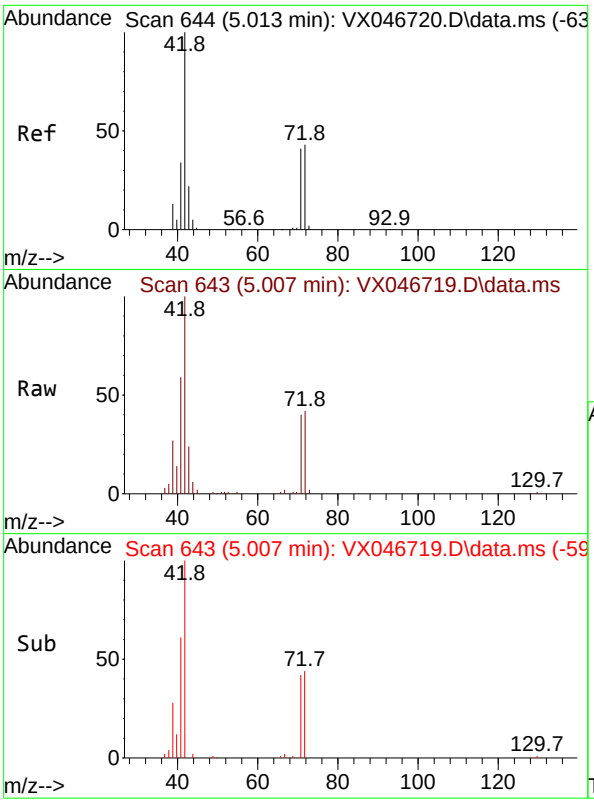



#28
Bromochloromethane
Concen: 18.544 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 49 Resp: 24738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |

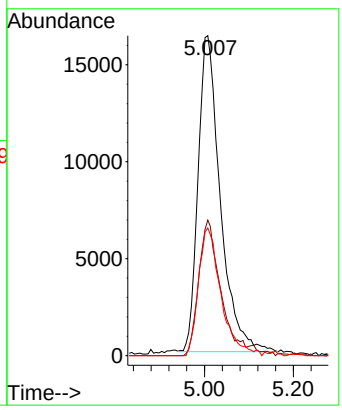





#29
Tetrahydrofuran
Concen: 99.990 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 42 Resp: 5676

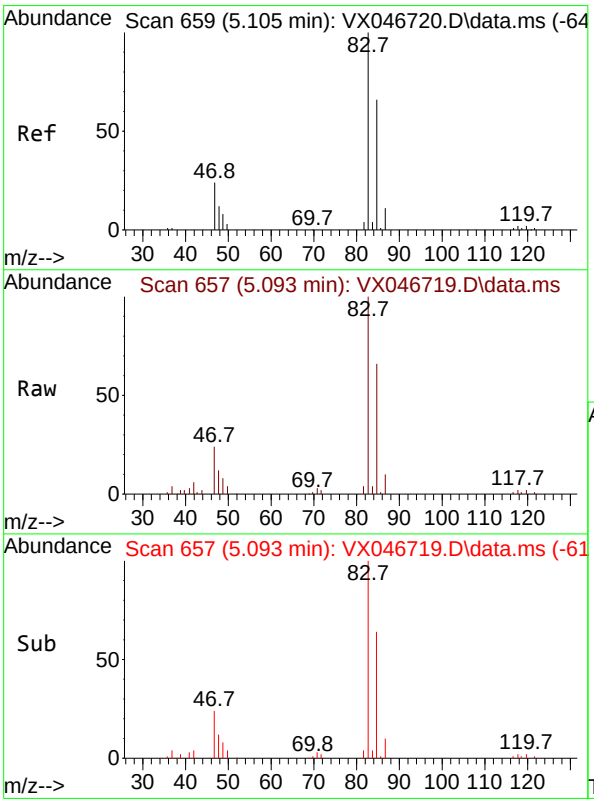
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.0 | 34.9 | 52.3 |
| 71 | 40.8 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

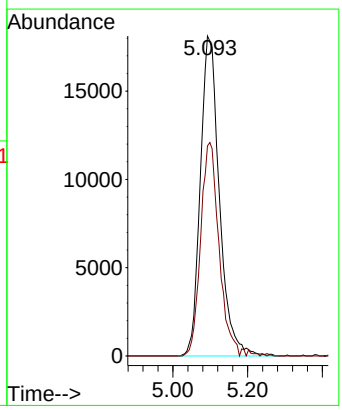
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

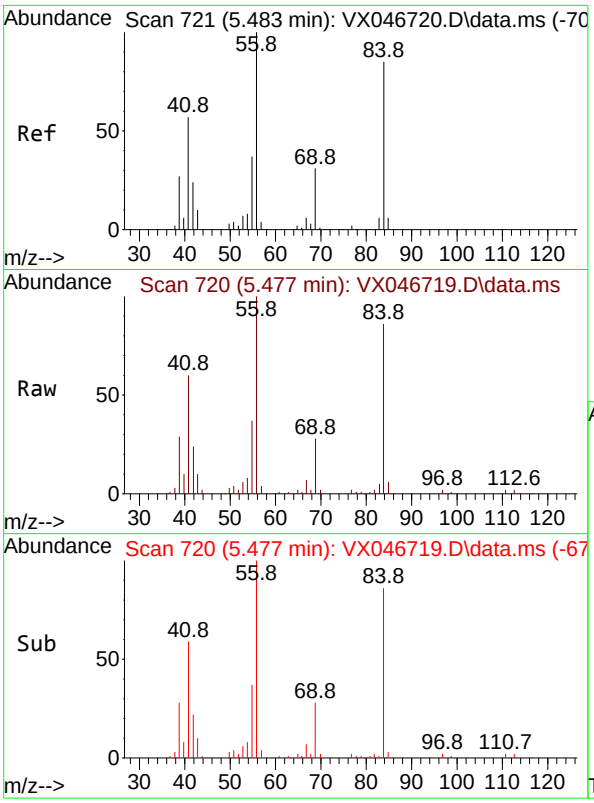



#30
Chloroform
Concen: 21.785 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 83 Resp: 64109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.0 | 53.7 | 80.5 |

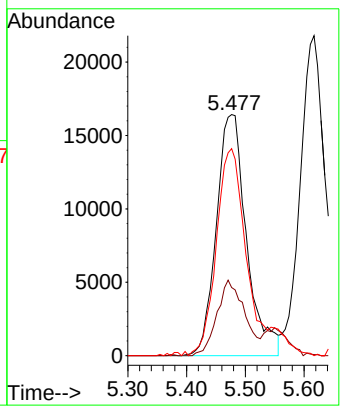





#31
Cyclohexane
Concen: 20.982 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 56 Resp: 5855

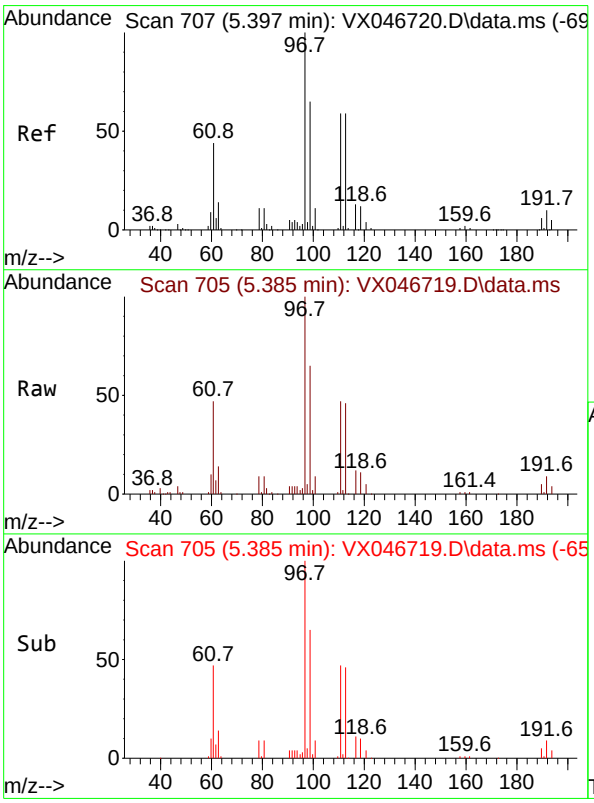
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.3 | 24.8 | 37.2 |
| 84 | 84.5 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

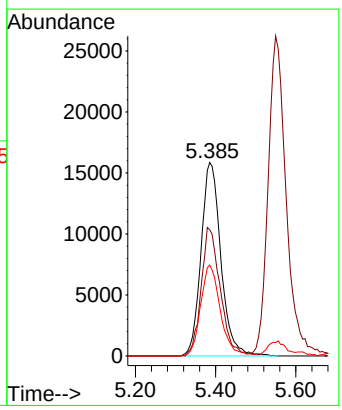
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

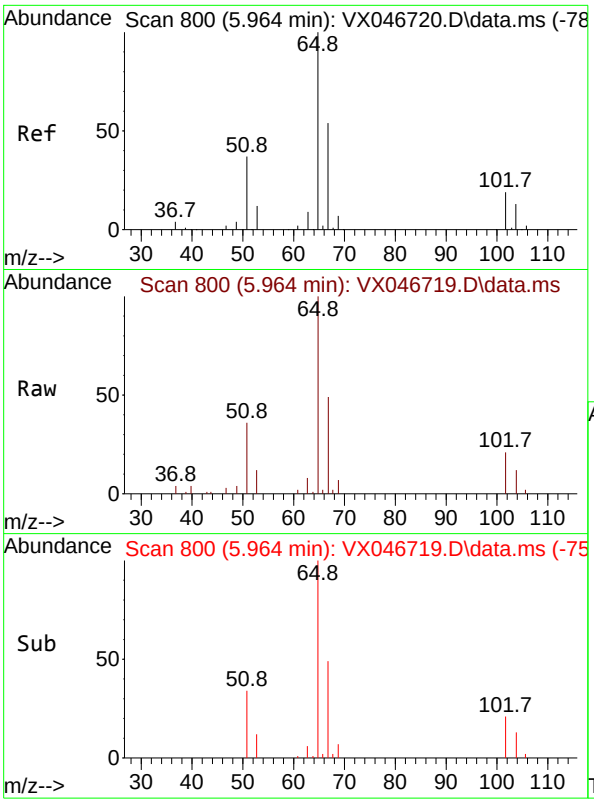



#32
1,1,1-Trichloroethane
Concen: 21.133 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 97 Resp: 54542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 51.3 | 76.9 |
| 61 | 46.4 | 36.4 | 54.6 |

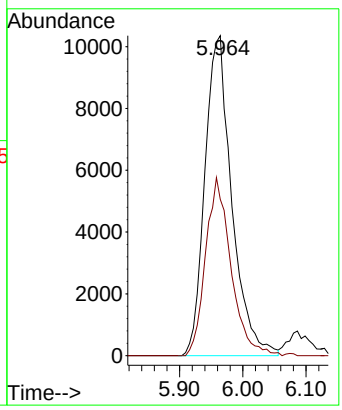





#33
1,2-Dichloroethane-d4
Concen: 16.410 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 65 Resp: 3058

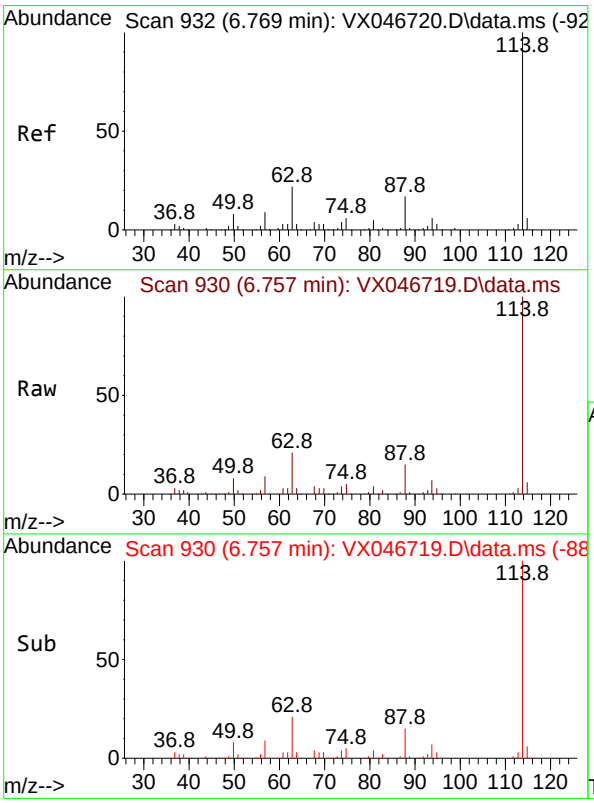
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

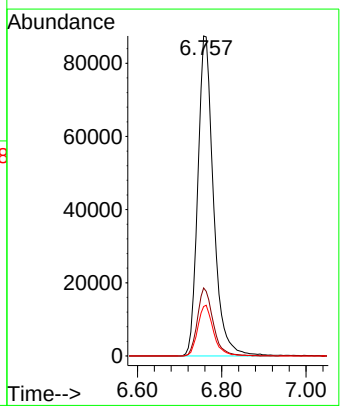
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

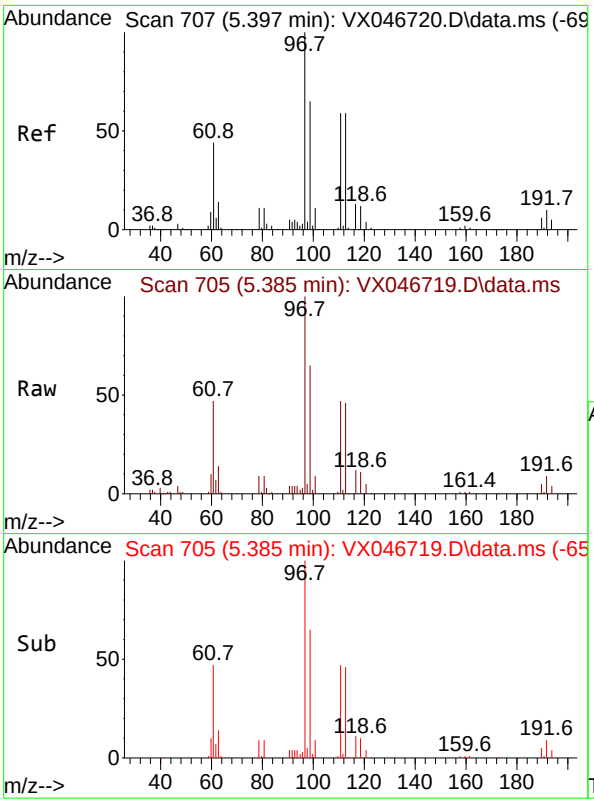



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:114 Resp: 226567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.2 |
| 88 | 15.5 | 0.0 | 33.2 |

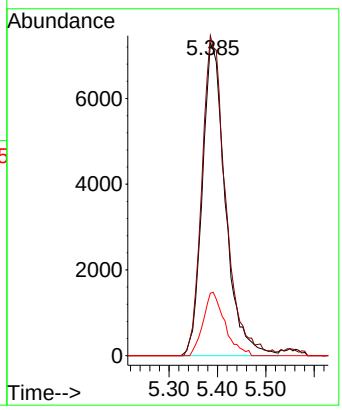





#35
Dibromofluoromethane
Concen: 16.114 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:113 Resp: 2415

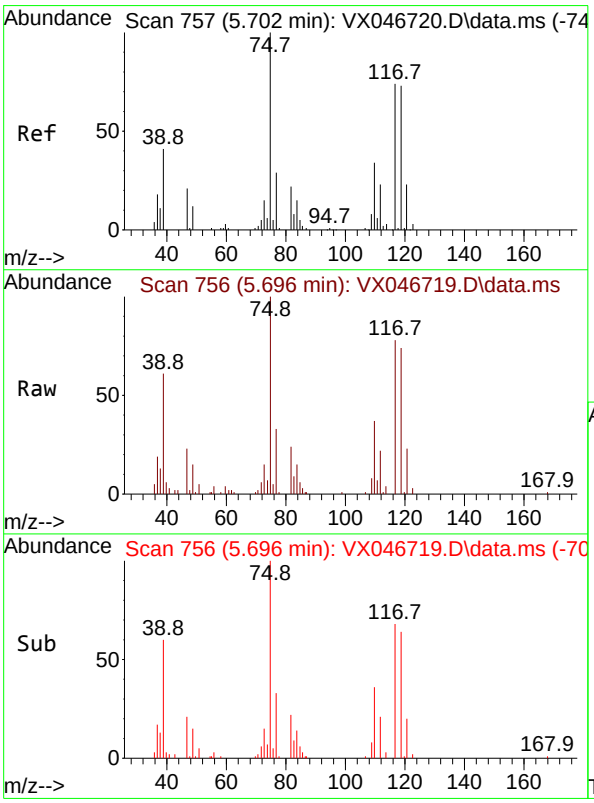
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.6 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

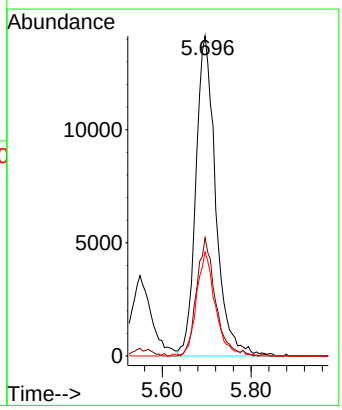
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

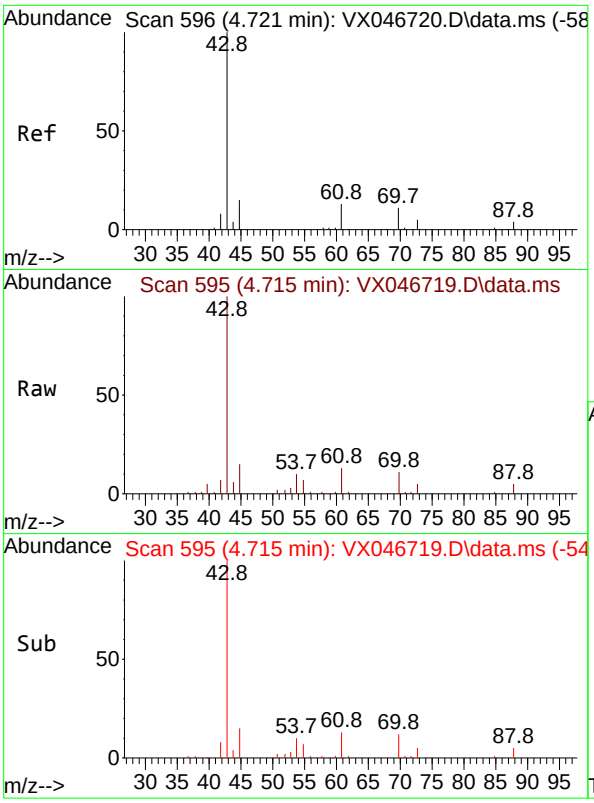



#36
1,1-Dichloropropene
Concen: 20.344 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 44023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.9 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |






#37
Ethyl Acetate
Concen: 19.984 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

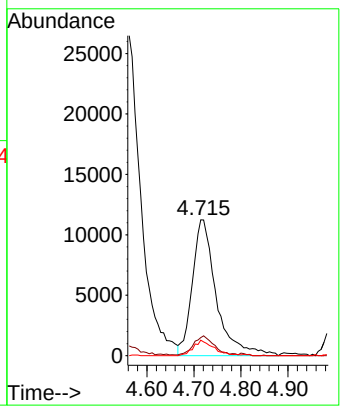
Tgt Ion: 43 Resp: 3991

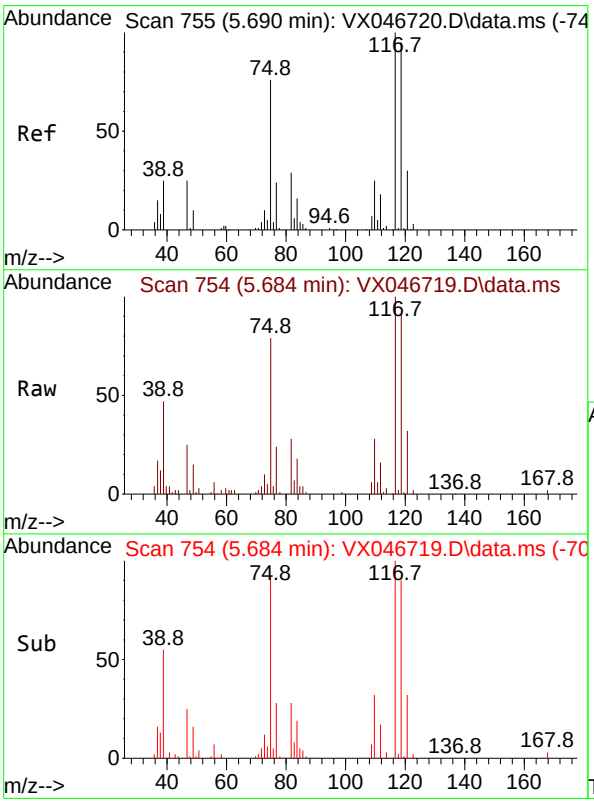
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.7 | 9.7 | 14.5 |
| 70 | 9.7 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

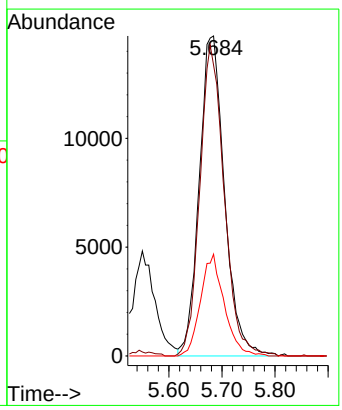


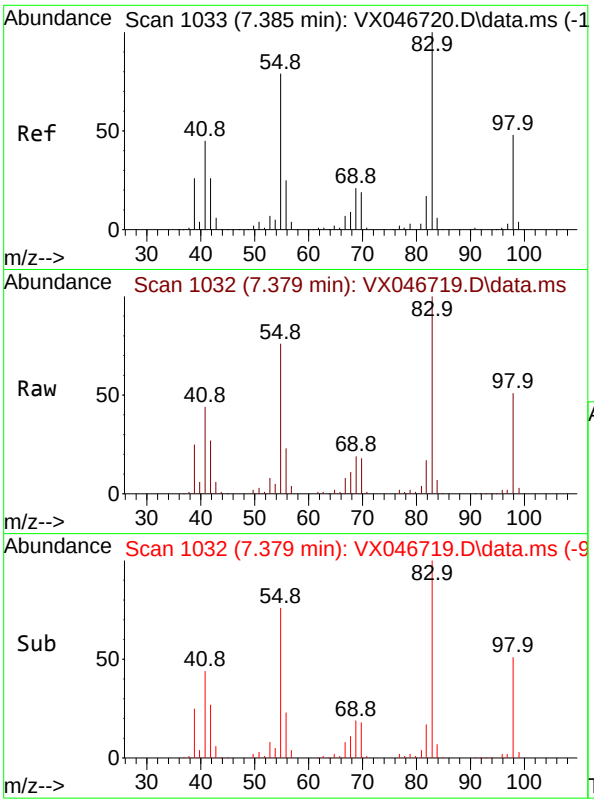




#38
Carbon Tetrachloride
Concen: 20.735 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:117 Resp: 48694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.9 | 75.2 | 112.8 |
| 121 | 31.8 | 24.1 | 36.1 |

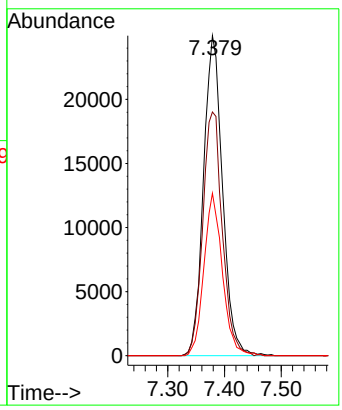





#39
Methylcyclohexane
Concen: 20.428 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 83 Resp: 5817

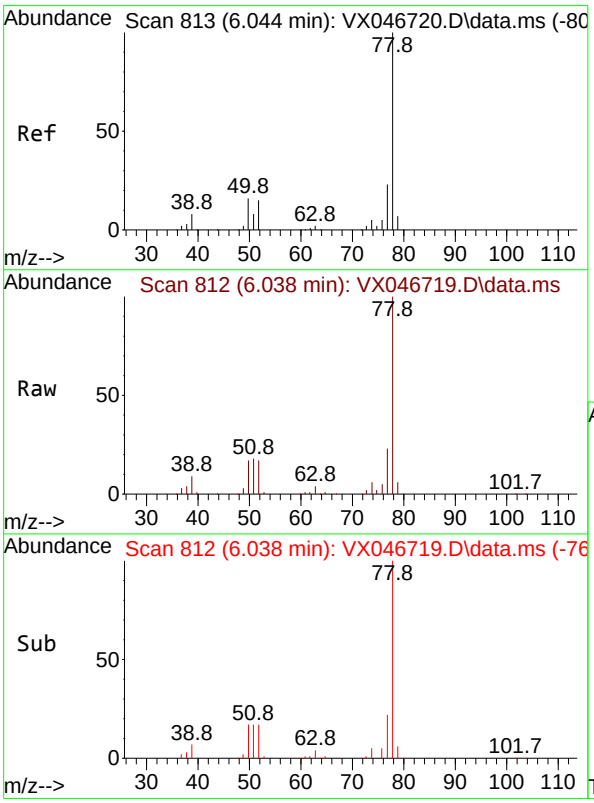
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 63.0 | 94.4 |
| 98 | 50.7 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

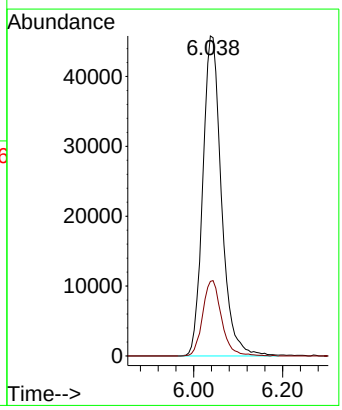
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

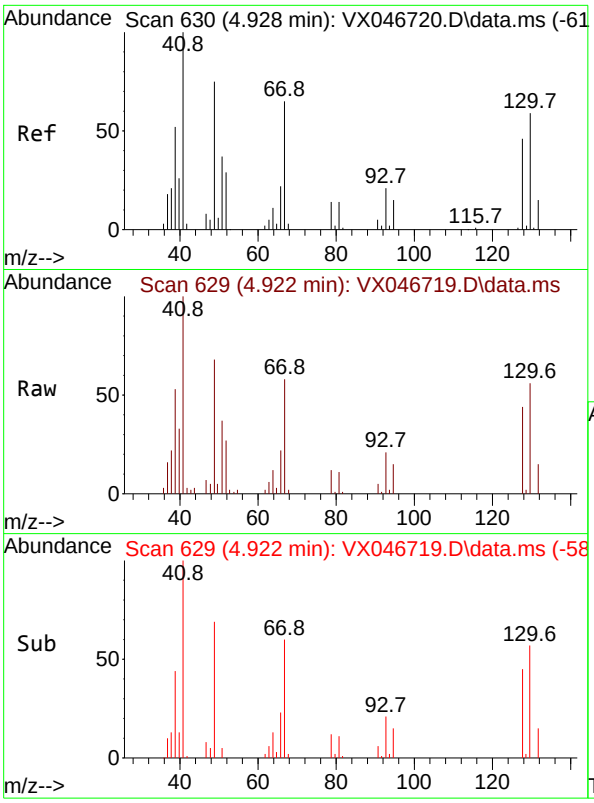



#40
Benzene
Concen: 20.904 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 78 Resp: 133872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 18.8 | 28.2 |

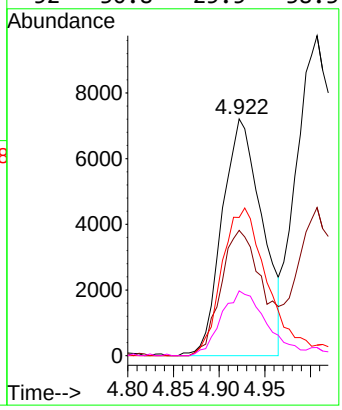





#41
Methacrylonitrile
Concen: 20.632 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 41 Resp: 2197

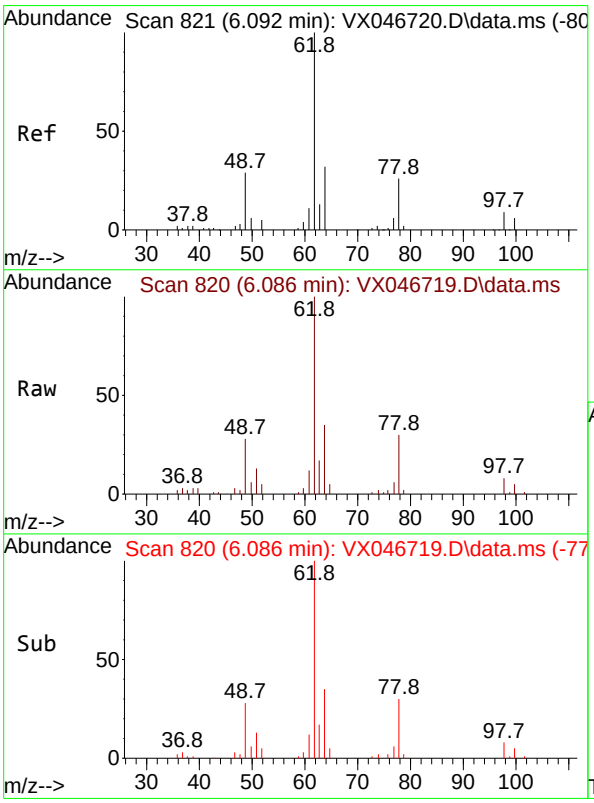
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 45.9 | 68.9 |
| 67 | 73.2 | 61.2 | 91.8 |
| 52 | 30.8 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

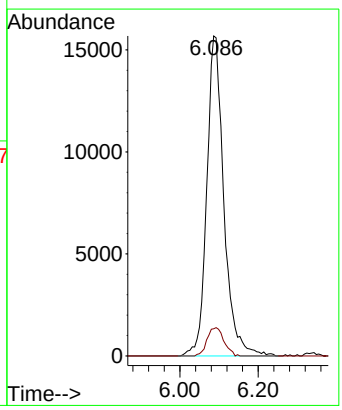
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

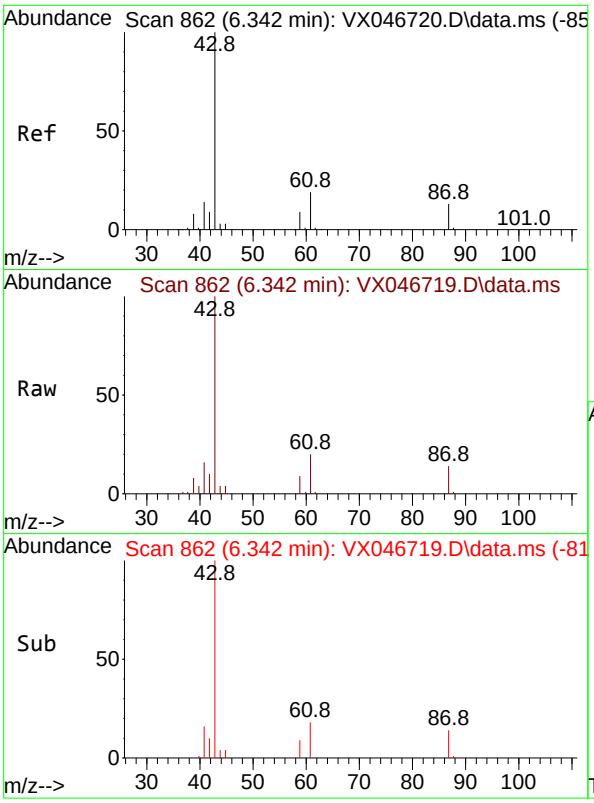



#42
1,2-Dichloroethane
Concen: 21.076 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 62 Resp: 47430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 19.975 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

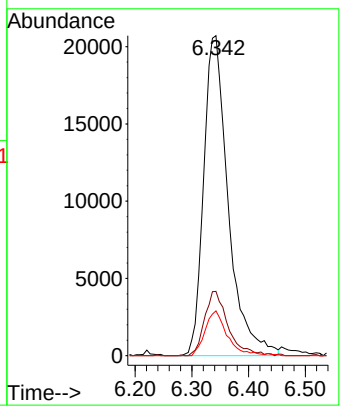
Tgt Ion: 43 Resp: 6243

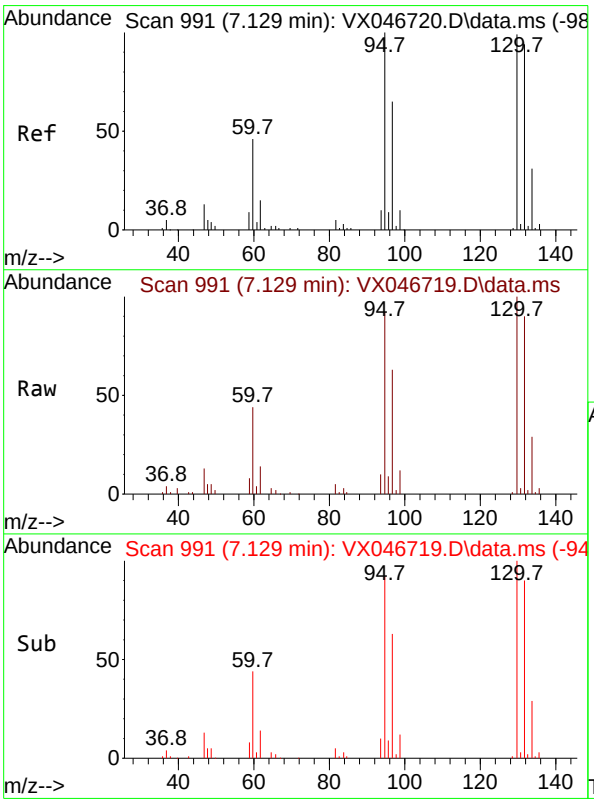
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

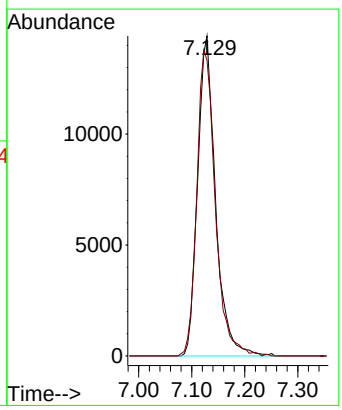


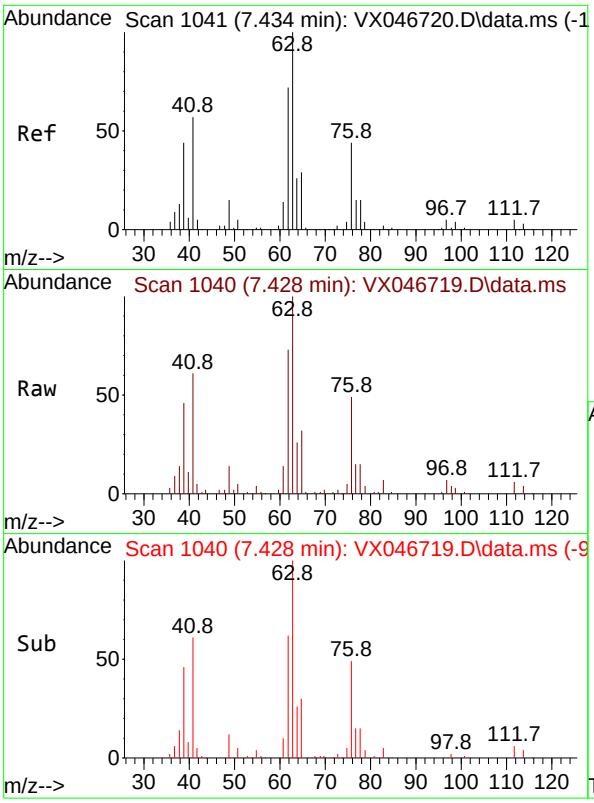




#44
Trichloroethene
Concen: 20.788 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:130 Resp: 33927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.1 | 0.0 | 202.6 |

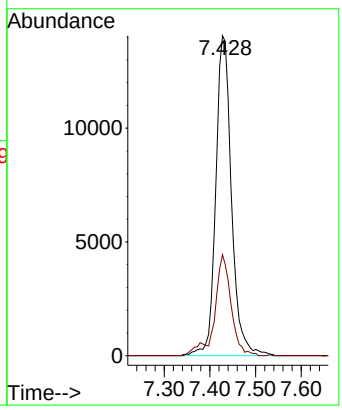





#45
1,2-Dichloropropane
Concen: 21.226 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 63 Resp: 3368

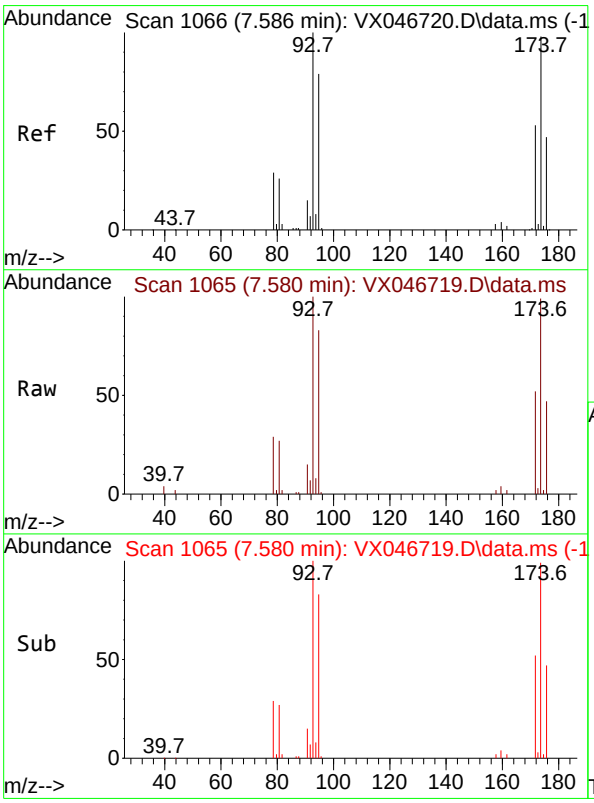
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

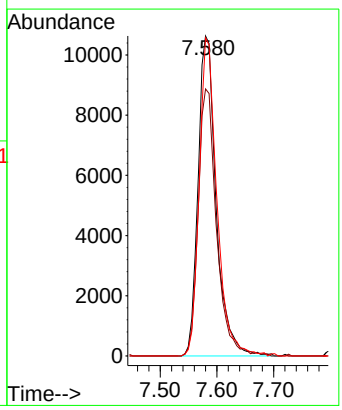
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

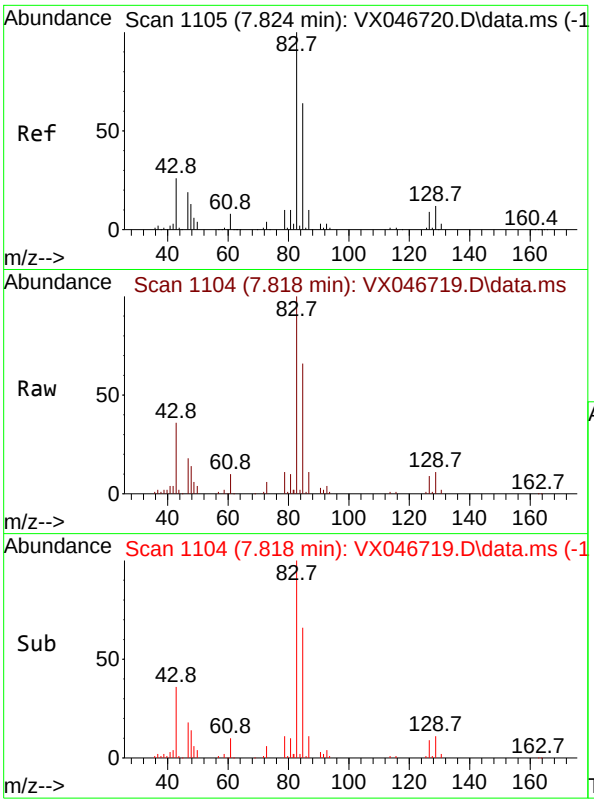



#46
Dibromomethane
Concen: 20.663 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 93 Resp: 23569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.2 | 99.4 |
| 174 | 97.1 | 77.0 | 115.6 |

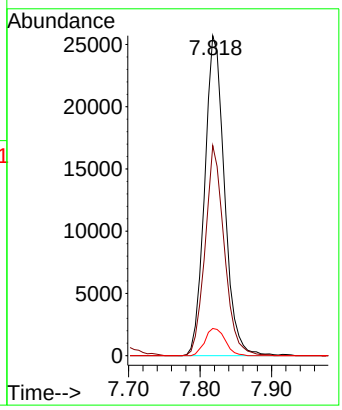





#47
Bromodichloromethane
Concen: 21.227 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 83 Resp: 4941

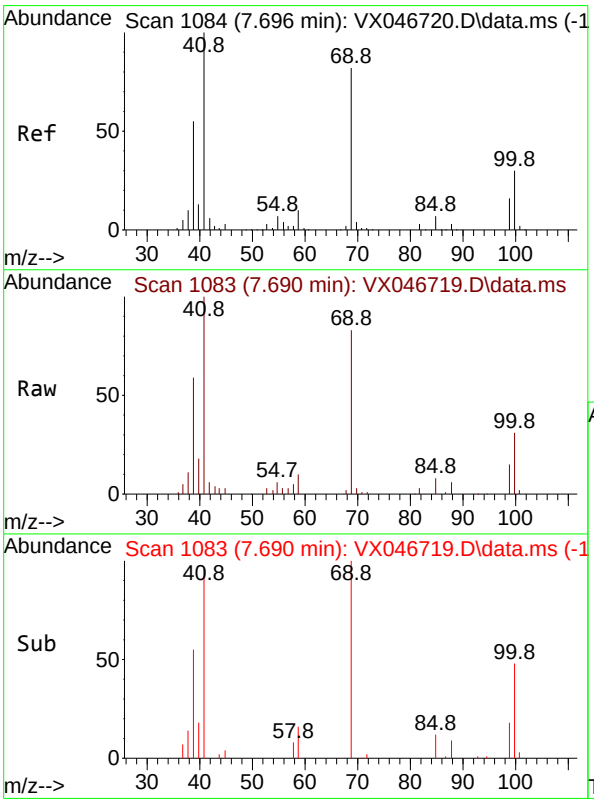
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

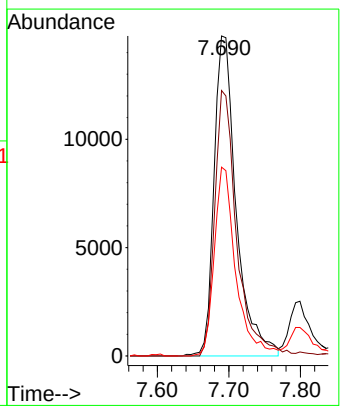
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

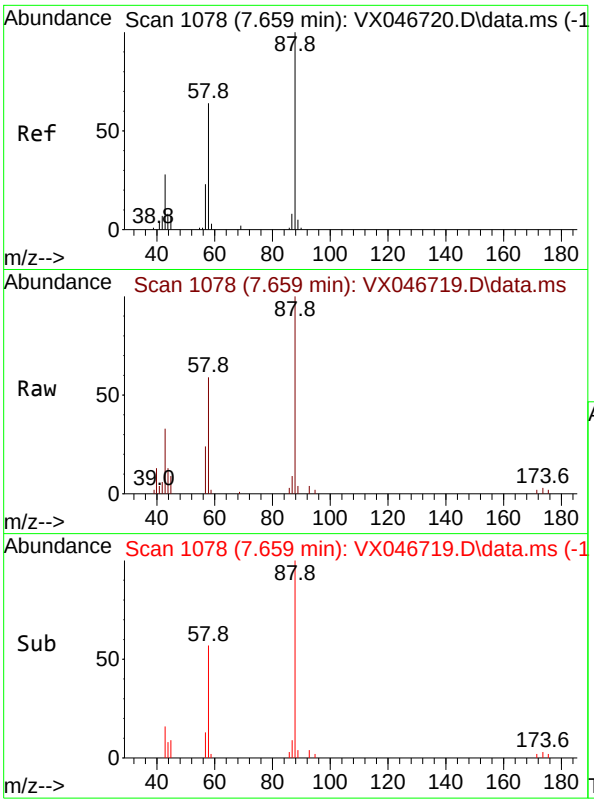



#48
Methyl methacrylate
Concen: 20.322 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 41 Resp: 31856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 63.4 | 95.2 |
| 39 | 57.2 | 45.4 | 68.0 |






#49
1,4-Dioxane
Concen: 382.035 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

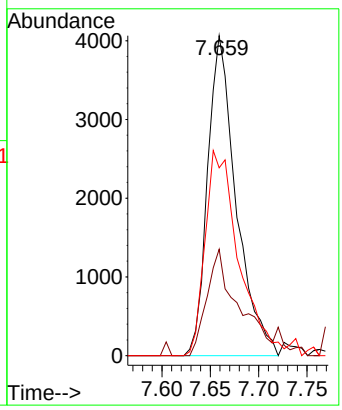
Tgt Ion: 88 Resp: 834

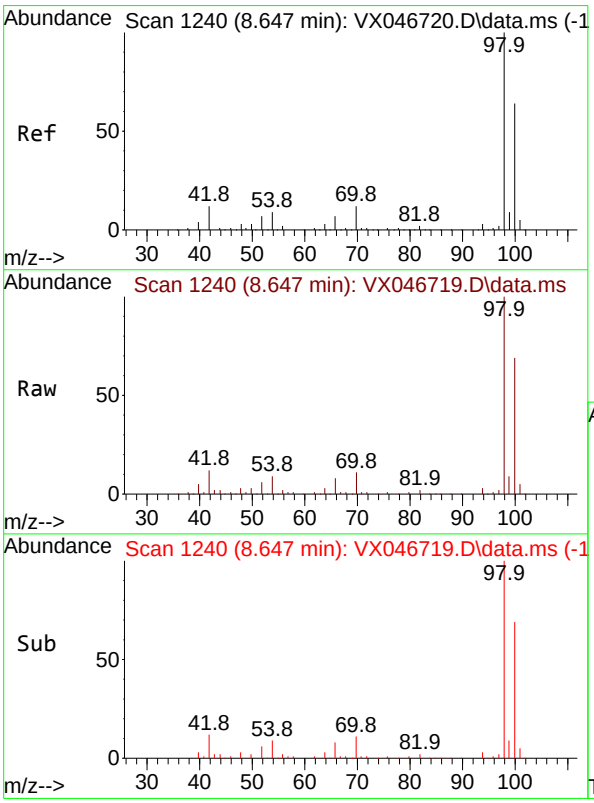
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.1 | 31.2 | 46.8 |
| 58 | 75.7 | 54.7 | 82.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

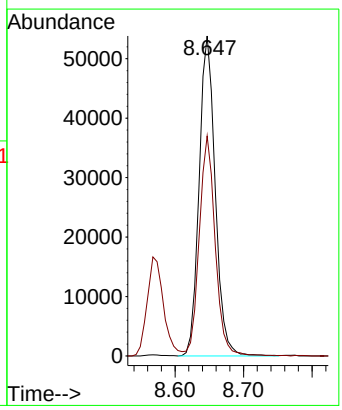


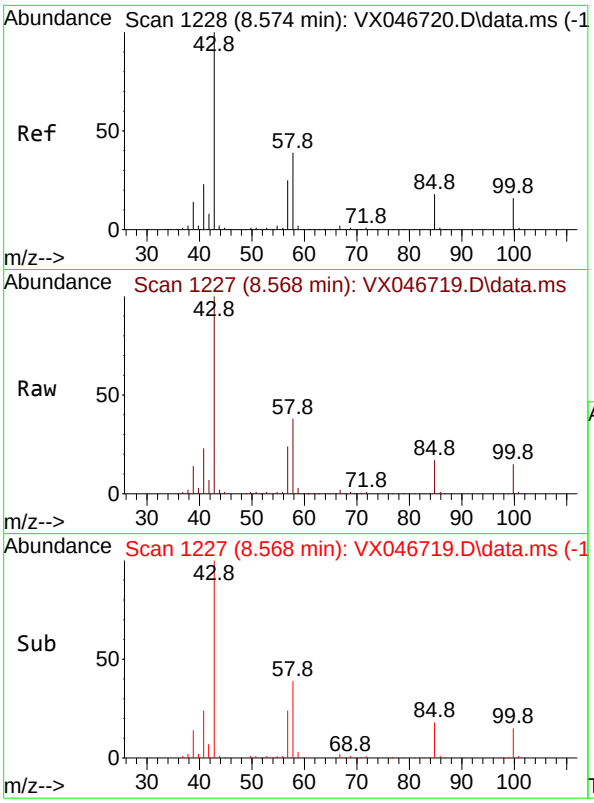




#50
Toluene-d8
Concen: 16.376 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 98 Resp: 88197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |

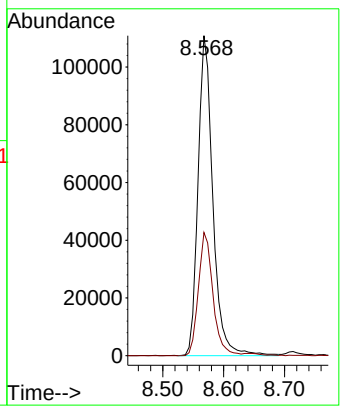





#51
4-Methyl-2-Pentanone
Concen: 100.586 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 18750

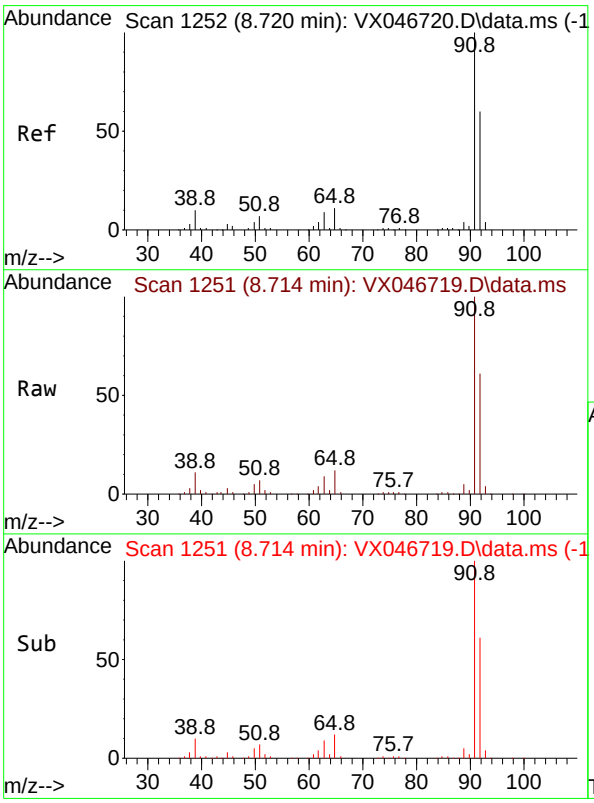
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

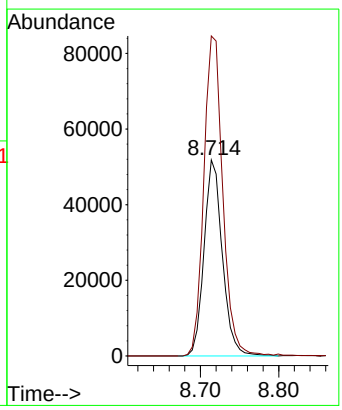
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

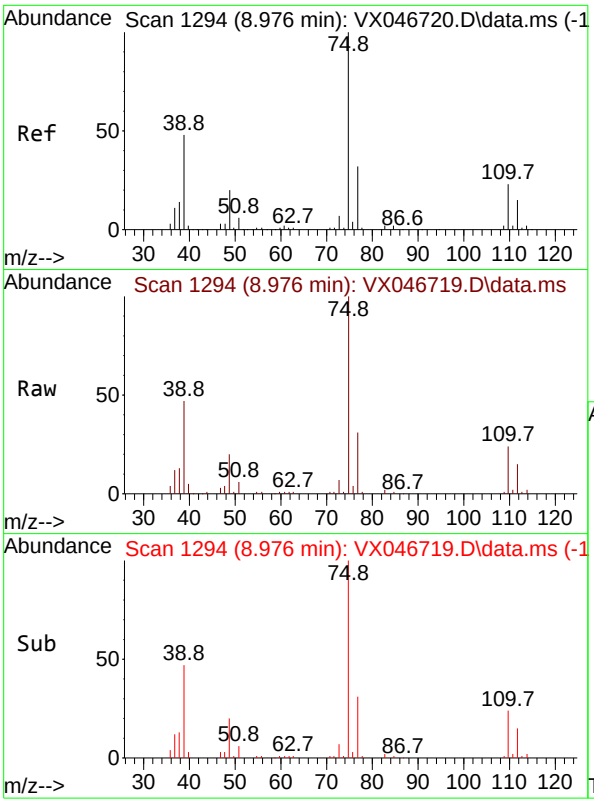



#52
Toluene
Concen: 21.166 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 92 Resp: 84030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 134.8 | 202.2 |

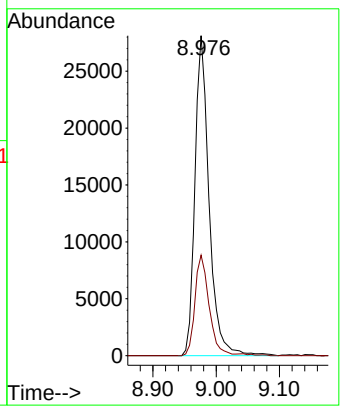





#53
t-1,3-Dichloropropene
Concen: 20.304 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 4385

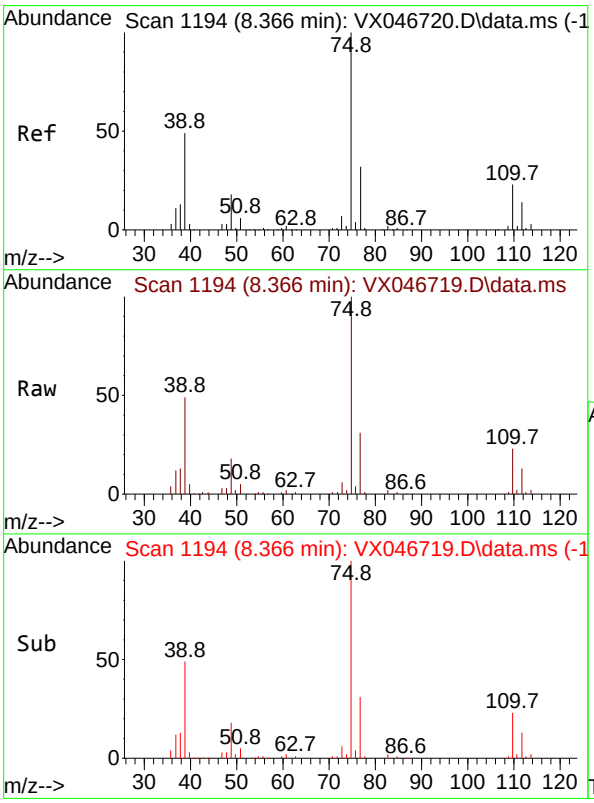
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

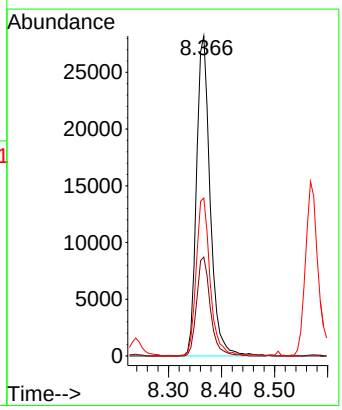
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

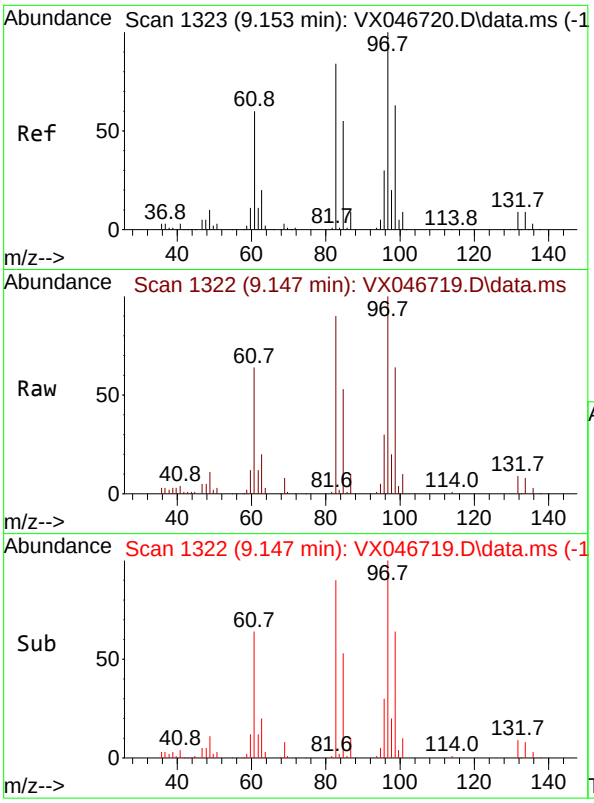



#54
cis-1,3-Dichloropropene
Concen: 20.526 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 50326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.3 | 37.9 |
| 39 | 47.9 | 39.2 | 58.8 |

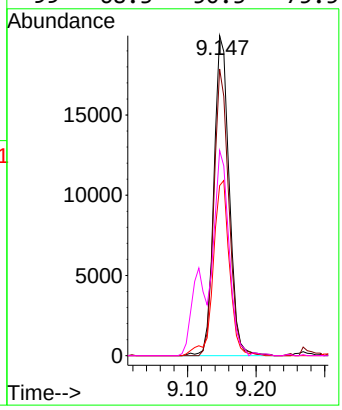





#55
1,1,2-Trichloroethane
Concen: 20.862 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 97 Resp: 3086

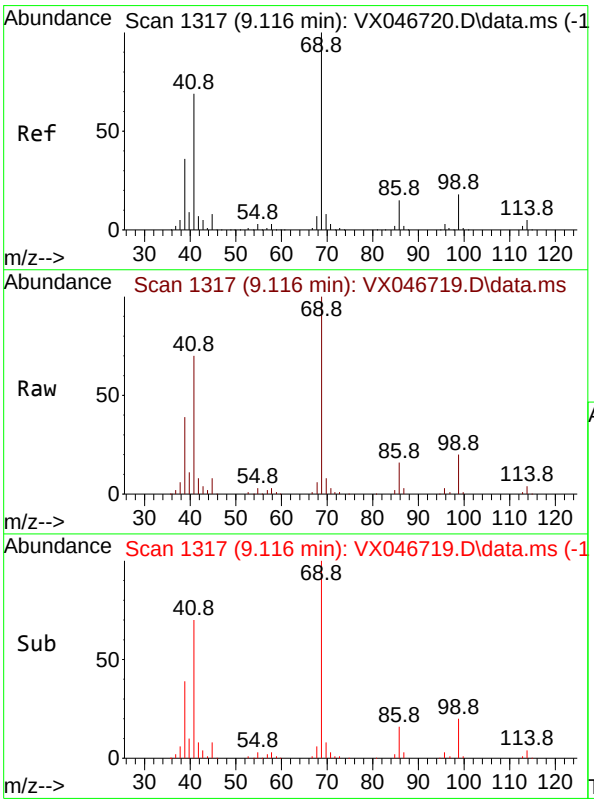
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.5 | 67.2 | 100.8 |
| 85 | 53.2 | 44.1 | 66.1 |
| 99 | 68.3 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

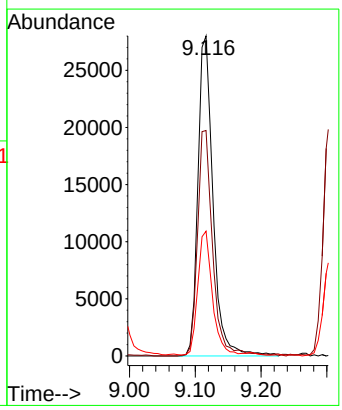
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

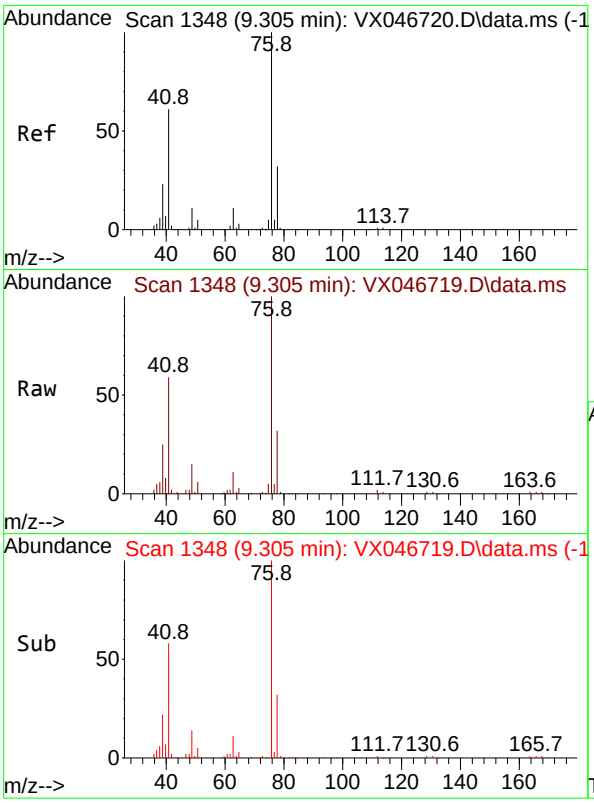



#56
Ethyl methacrylate
Concen: 20.468 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 69 Resp: 44702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |

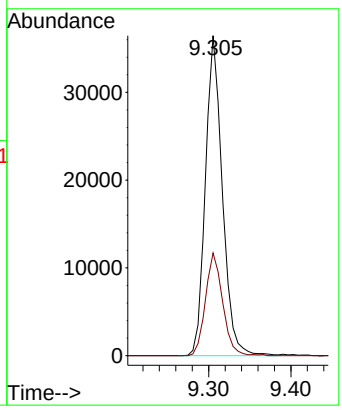





#57
1,3-Dichloropropane
Concen: 20.480 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 76 Resp: 5218

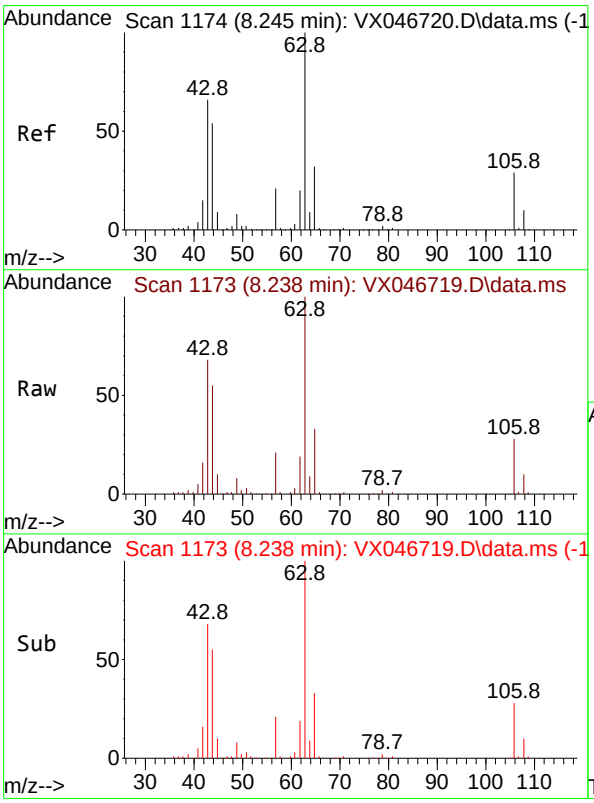
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

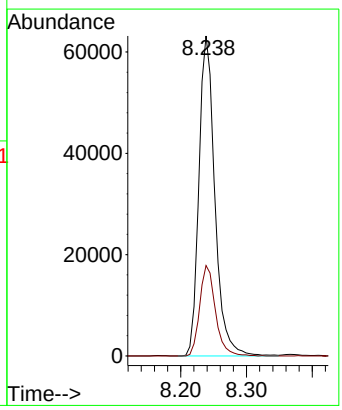
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

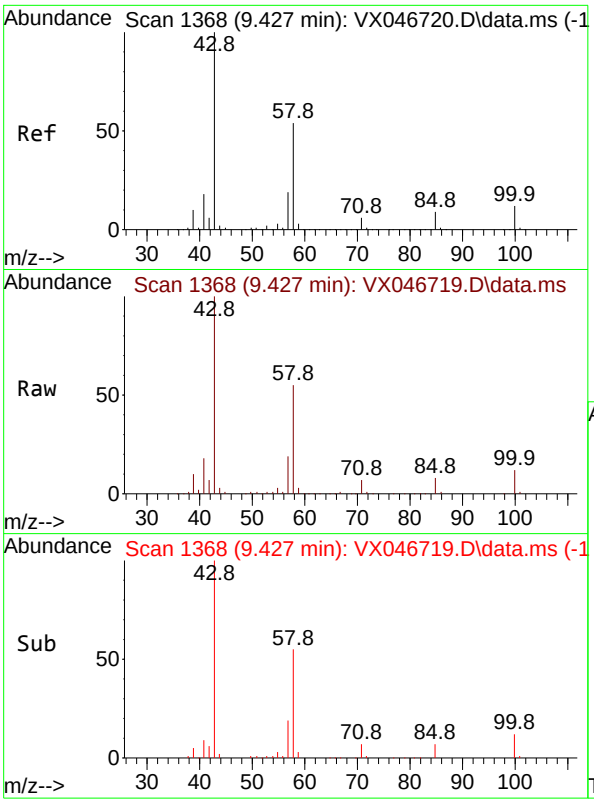



#58
2-Chloroethyl Vinyl ether
Concen: 93.878 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 63 Resp: 106505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 22.6 | 34.0 |

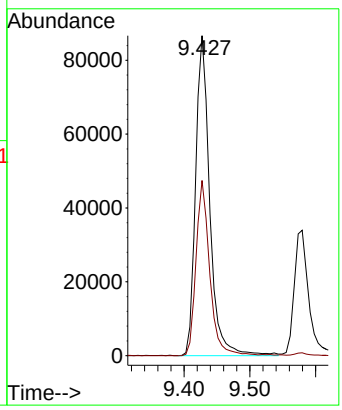





#59
2-Hexanone
Concen: 100.265 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 12921

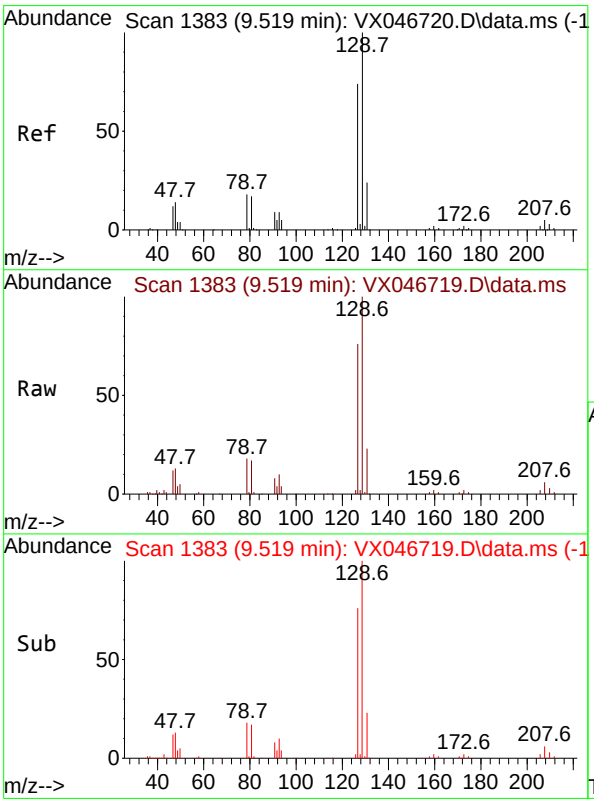
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.8 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

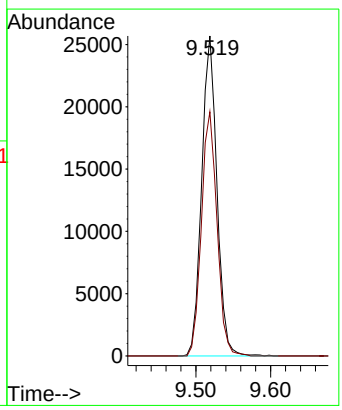
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

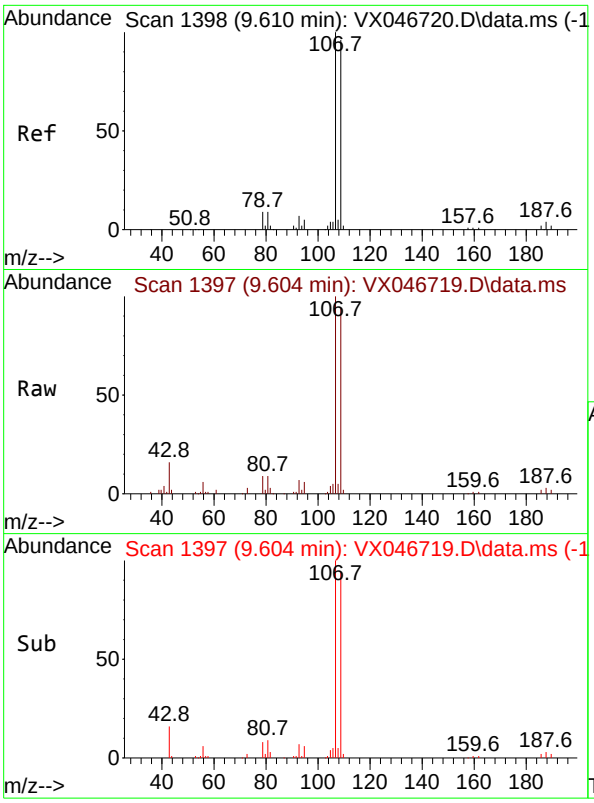



#60
Dibromochloromethane
Concen: 20.872 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:129 Resp: 36392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.4 | 115.2 |

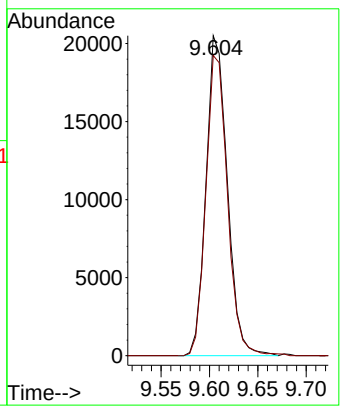





#61
1,2-Dibromoethane
Concen: 20.936 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:107 Resp: 3150

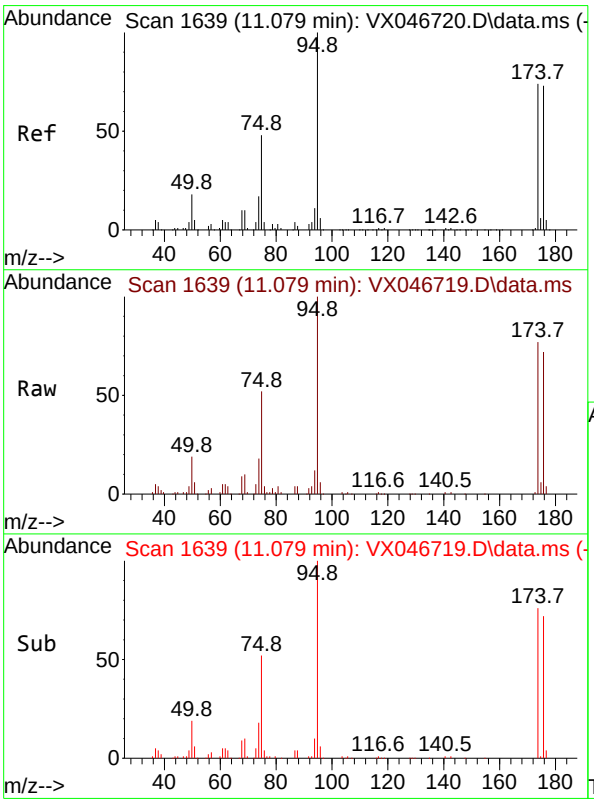
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

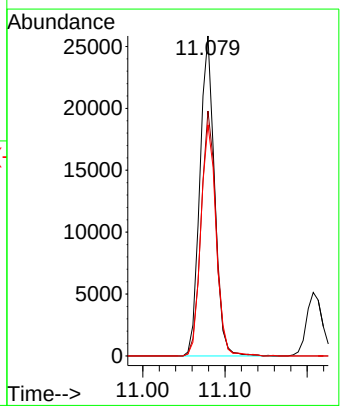
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

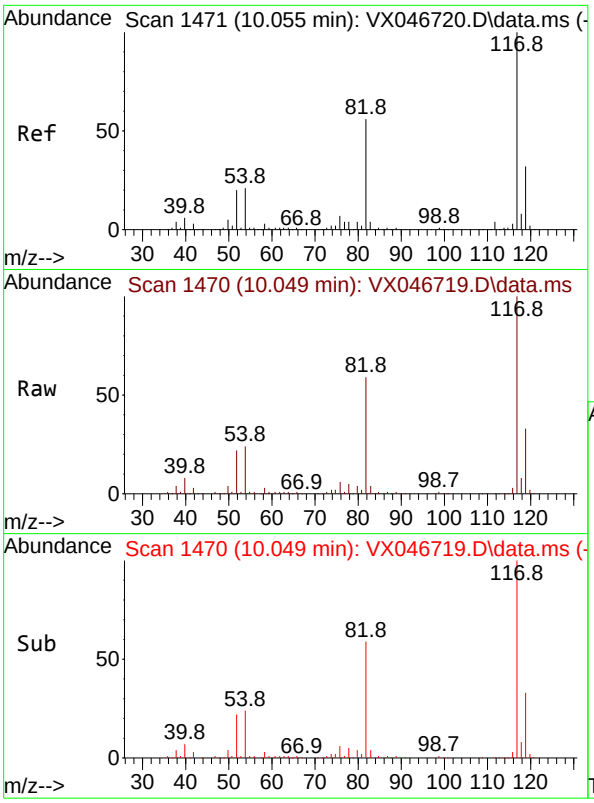



#62
4-Bromofluorobenzene
Concen: 15.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 95 Resp: 32067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.1 | 0.0 | 150.4 |
| 176 | 75.2 | 0.0 | 145.0 |

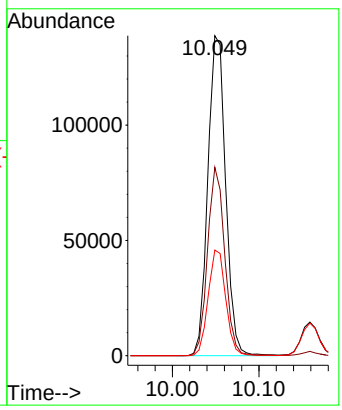





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:117 Resp: 19794

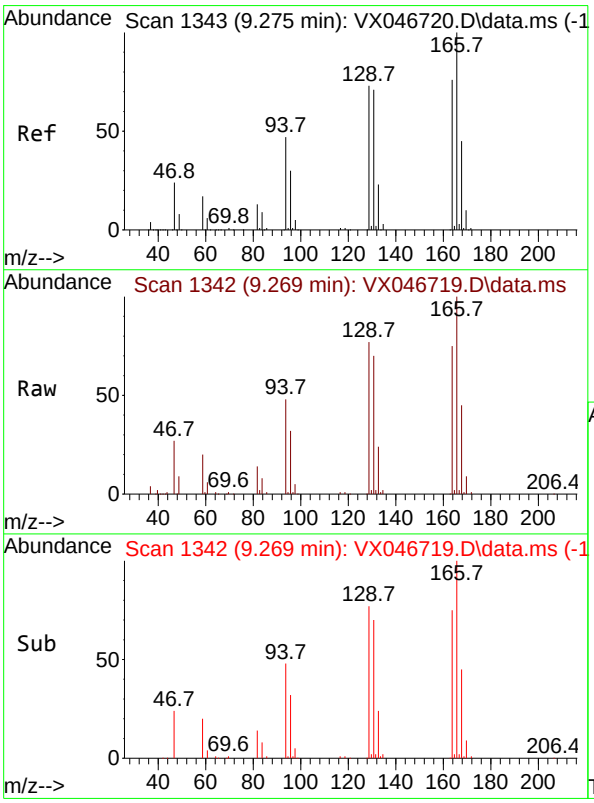
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.9 | 44.6 | 66.8 |
| 119 | 33.0 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

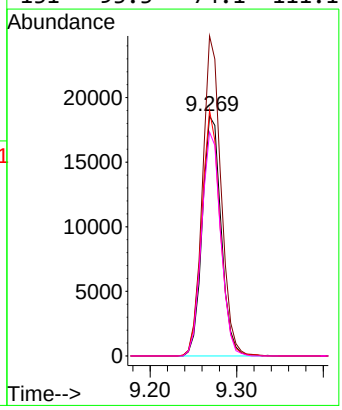
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

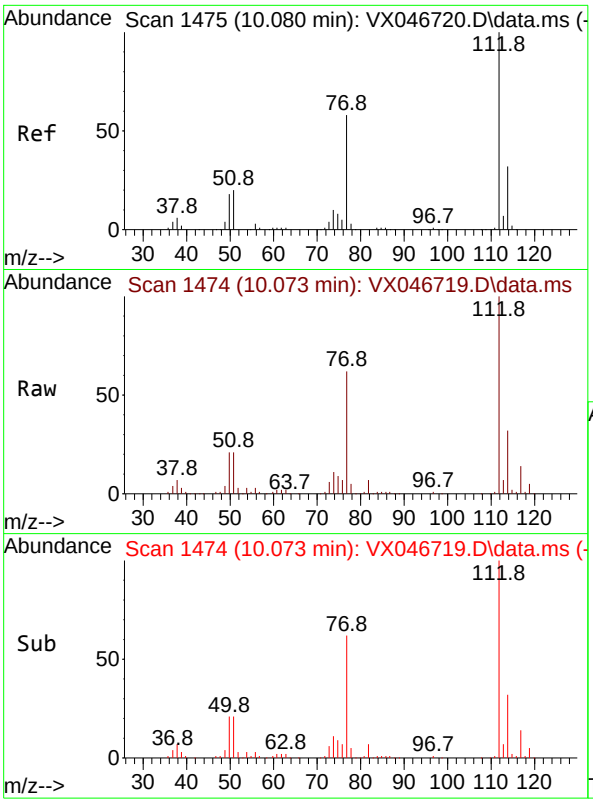



#64
Tetrachloroethene
Concen: 20.408 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:164 Resp: 27988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.4 | 104.6 | 157.0 |
| 129 | 102.4 | 76.3 | 114.5 |
| 131 | 93.3 | 74.1 | 111.1 |

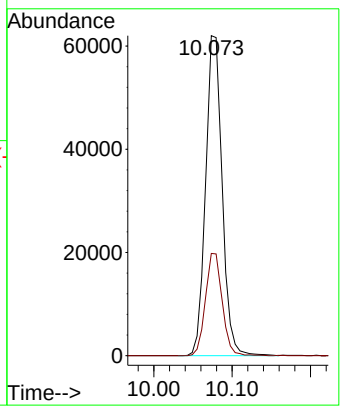





#65
Chlorobenzene
Concen: 20.796 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:112 Resp: 9086

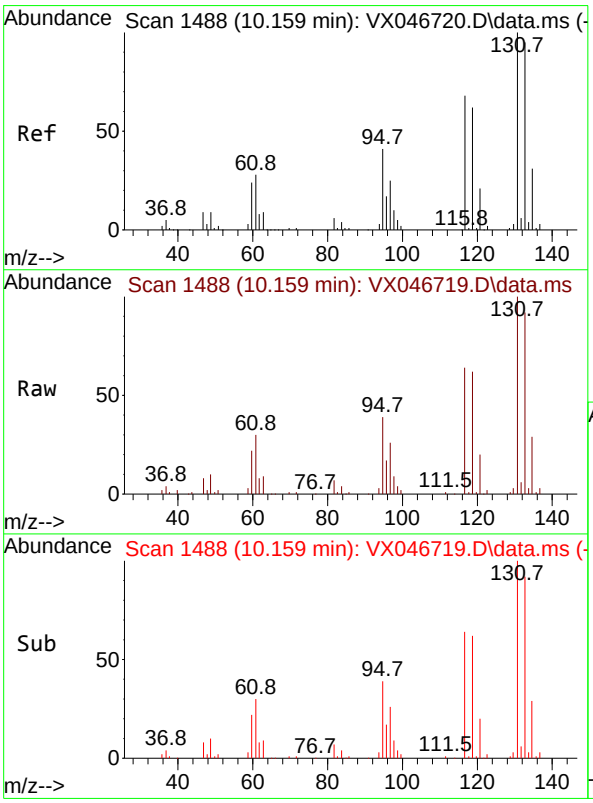
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

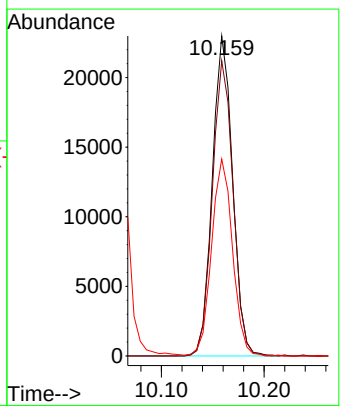
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

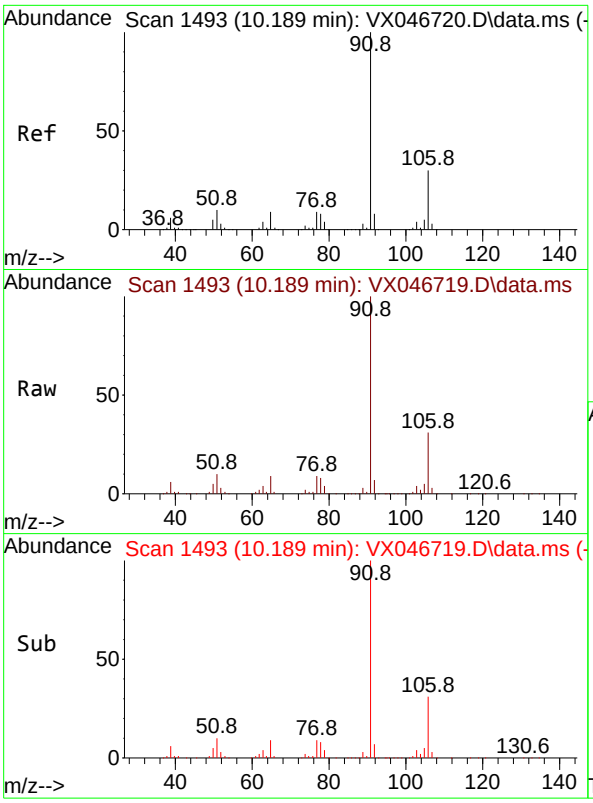



#66
1,1,1,2-Tetrachloroethane
Concen: 21.455 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:131 Resp: 31508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 63.4 | 32.1 | 96.3 |






#67
Ethyl Benzene
Concen: 21.056 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

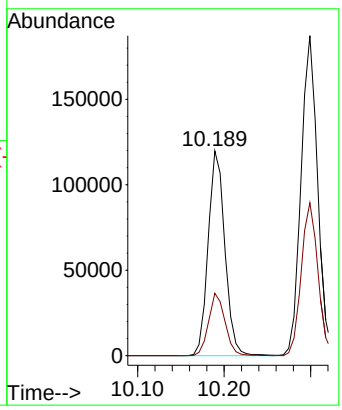
Tgt Ion: 91 Resp: 16076

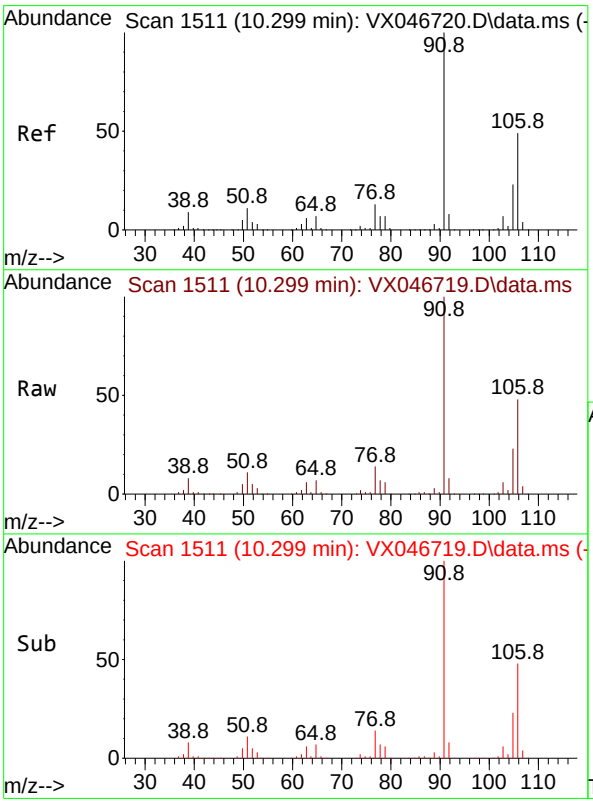
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

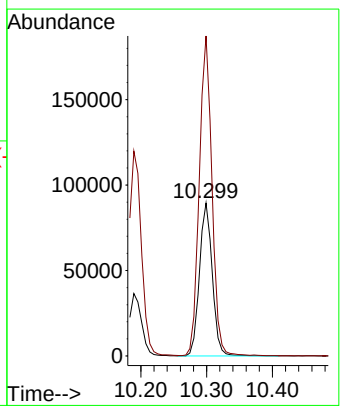


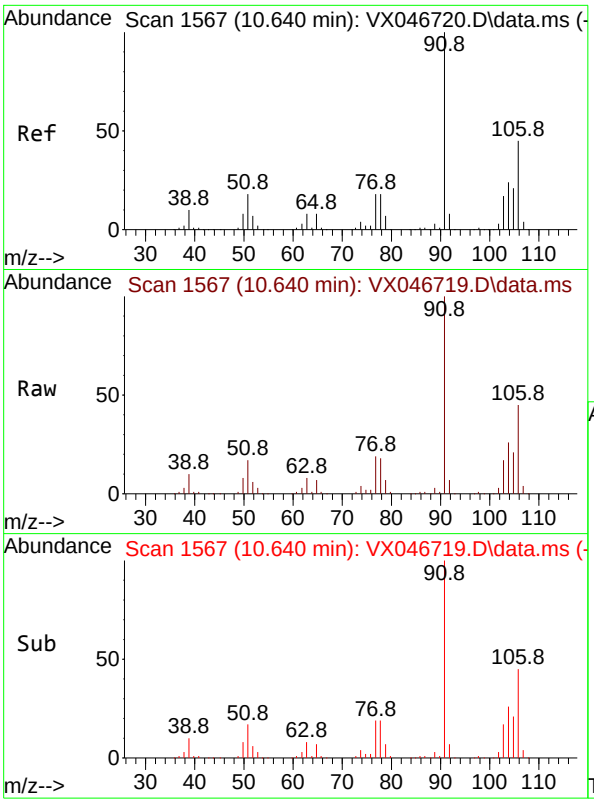




#68
m/p-Xylenes
Concen: 42.539 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:106 Resp: 121014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.7 | 164.8 | 247.2 |

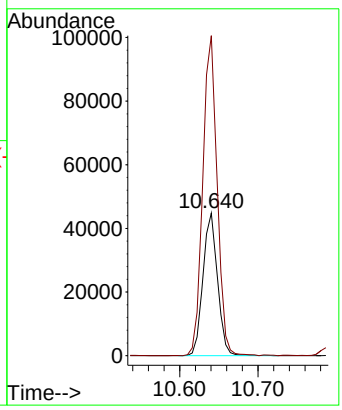





#69
o-Xylene
Concen: 21.638 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:106 Resp: 5768

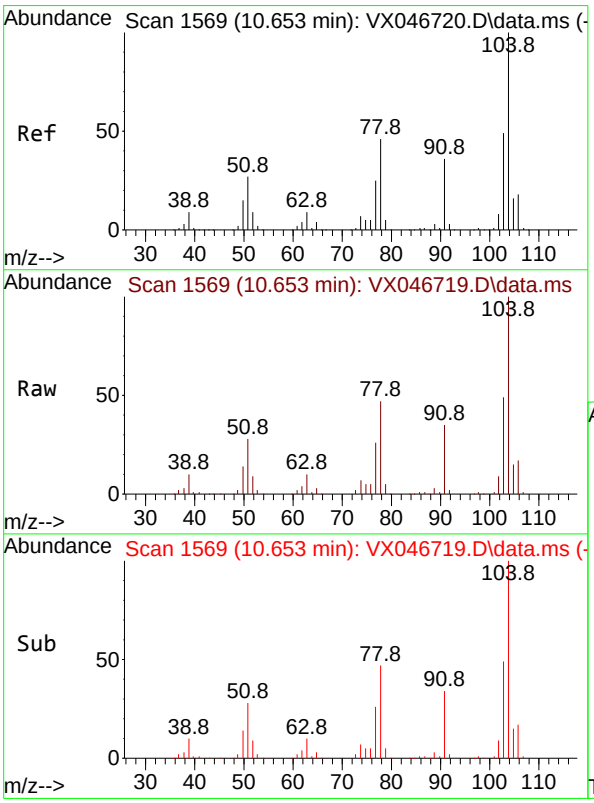
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.2 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

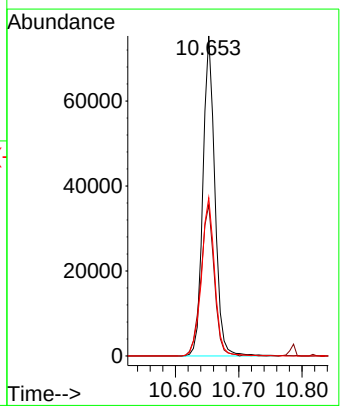
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

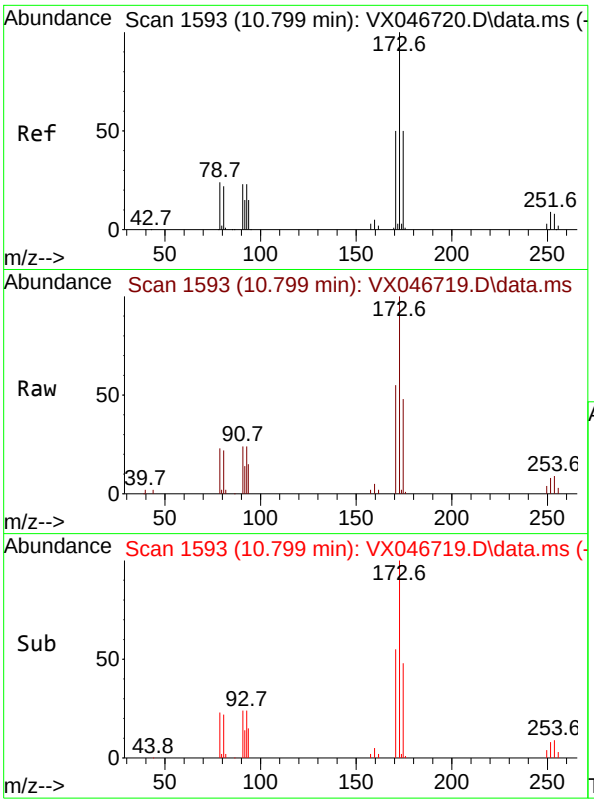



#70
Styrene
Concen: 21.318 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:104 Resp: 99462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.6 | 41.4 | 62.2 |
| 103 | 54.4 | 43.1 | 64.7 |

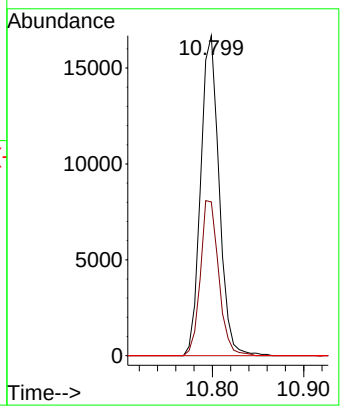





#71
Bromoform
Concen: 20.898 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:173 Resp: 2337

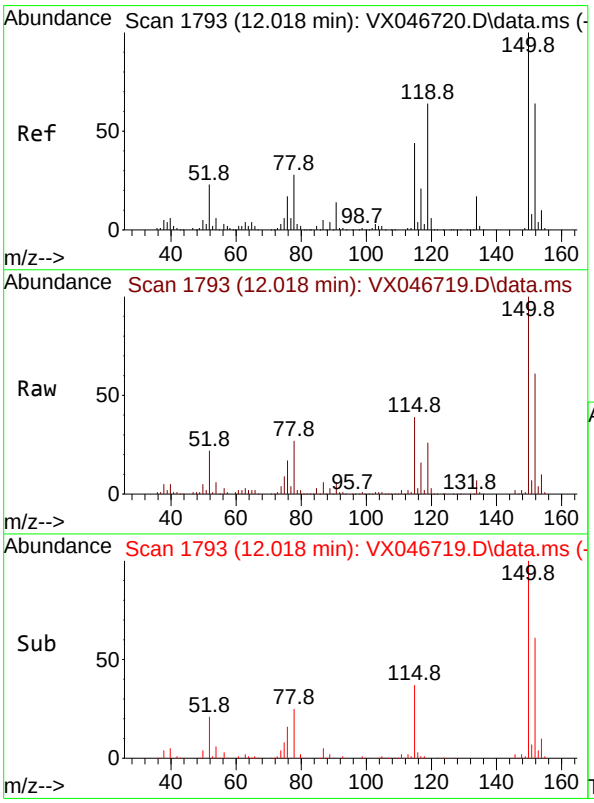
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

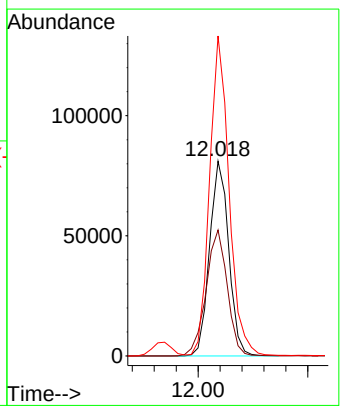
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

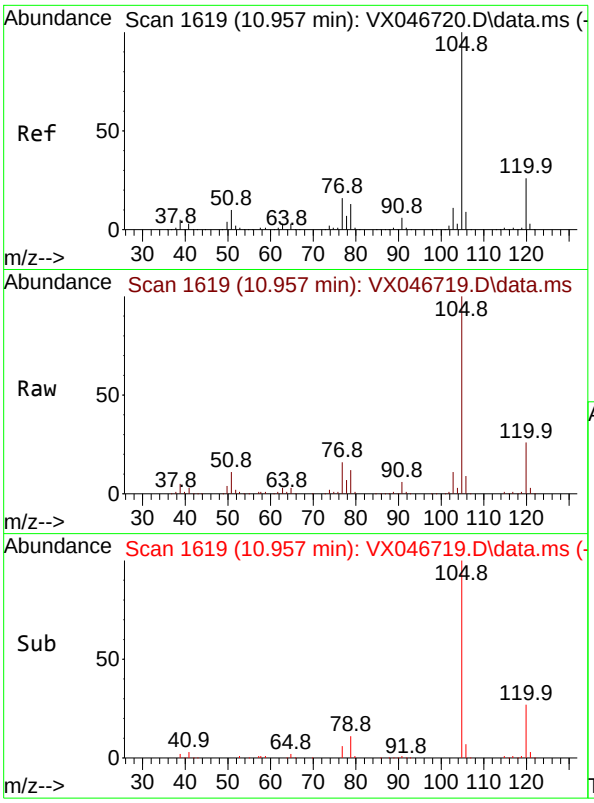



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:152 Resp: 98285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.7 | 43.2 | 129.6 |
| 150 | 166.5 | 0.0 | 346.8 |

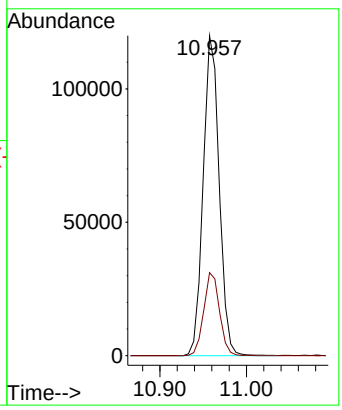





#73
Isopropylbenzene
Concen: 21.255 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 15386

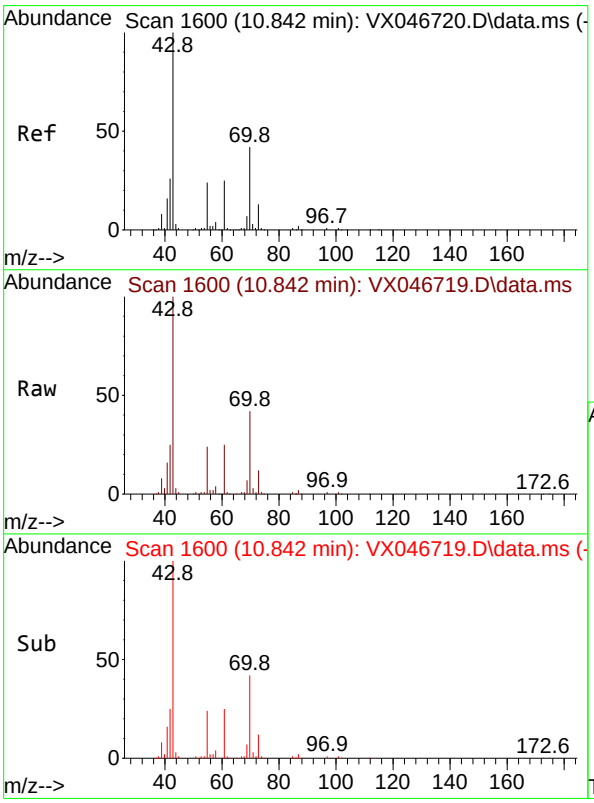
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

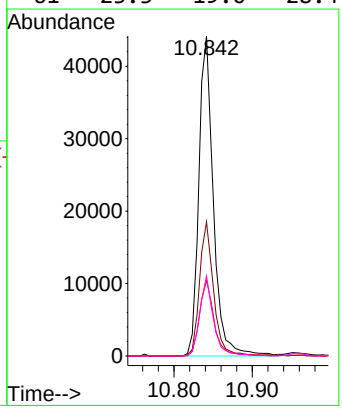
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

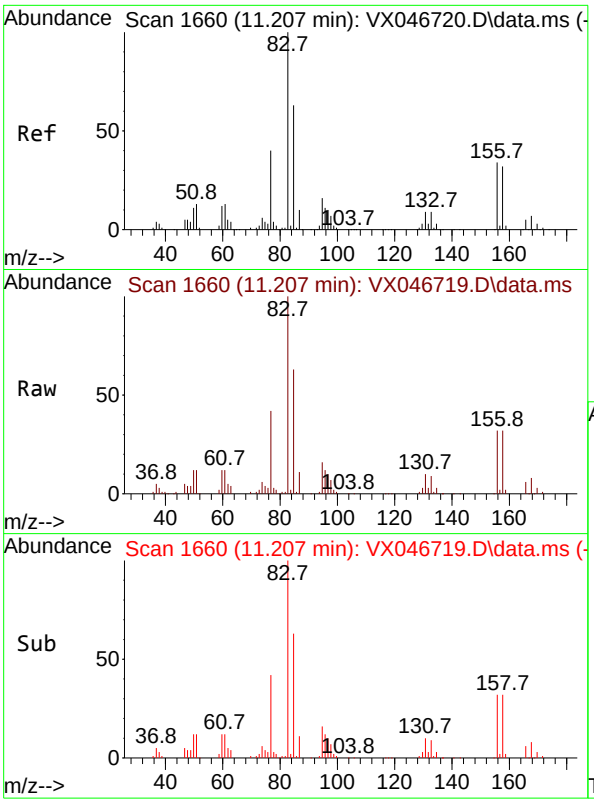



#74
N-amyl acetate
Concen: 20.851 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 57185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.3 | 19.0 | 28.4 |

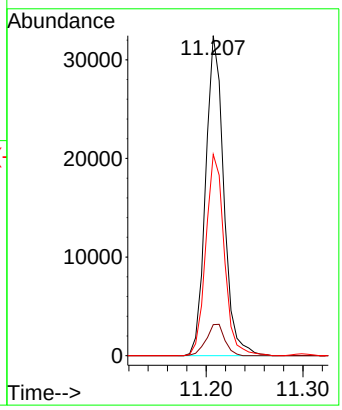





#75
1,1,2,2-Tetrachloroethane
Concen: 20.914 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 83 Resp: 4227

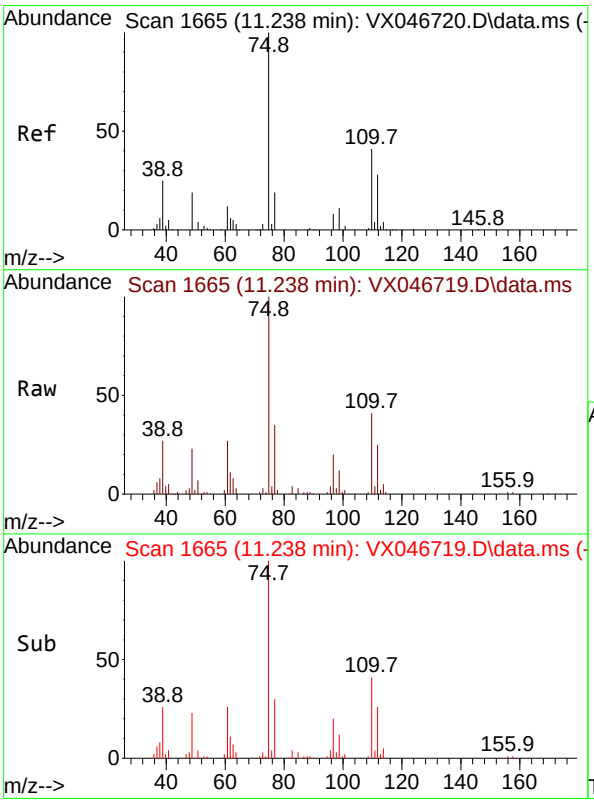
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

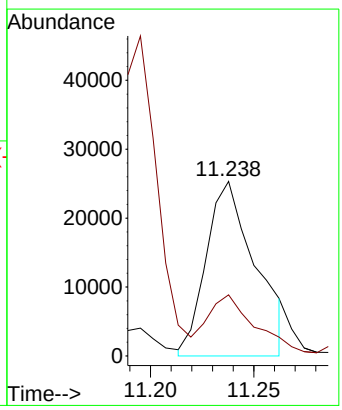
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

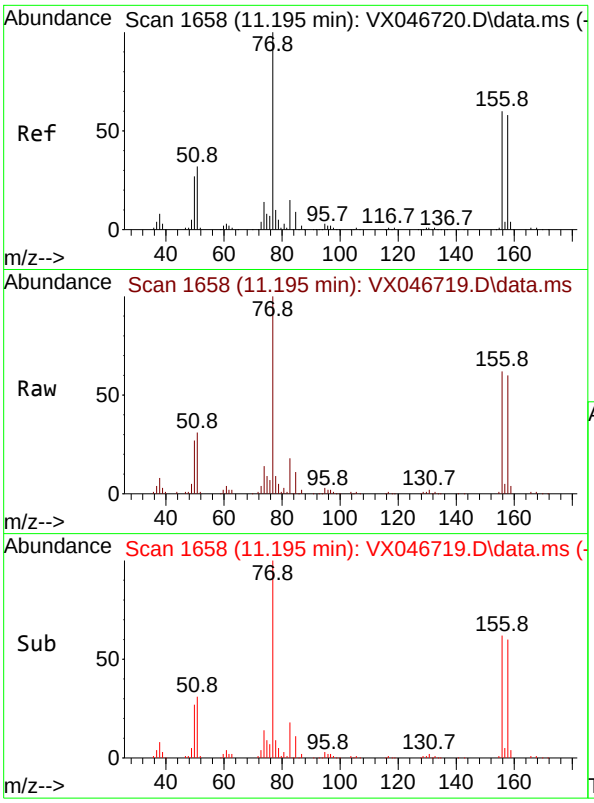



#76
1,2,3-Trichloropropane
Concen: 20.989 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 41901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.6 | 18.5 | 55.5 |

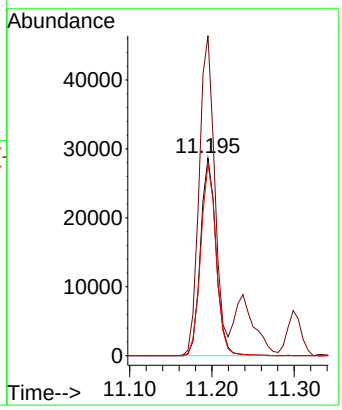





#77
Bromobenzene
Concen: 21.507 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:156 Resp: 3746

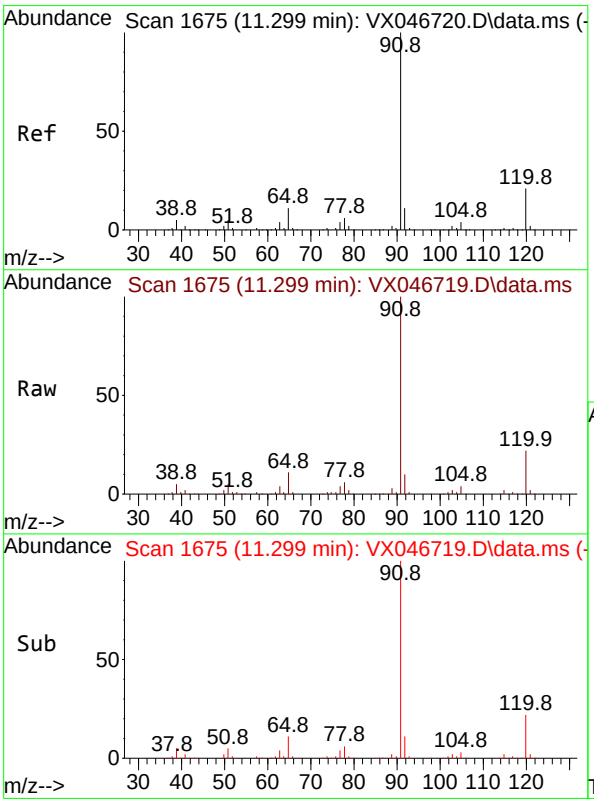
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.6 | 82.8 | 248.6 |
| 158 | 96.6 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

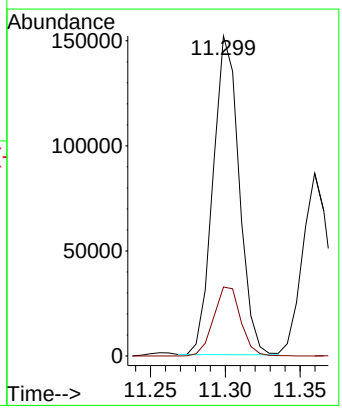
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

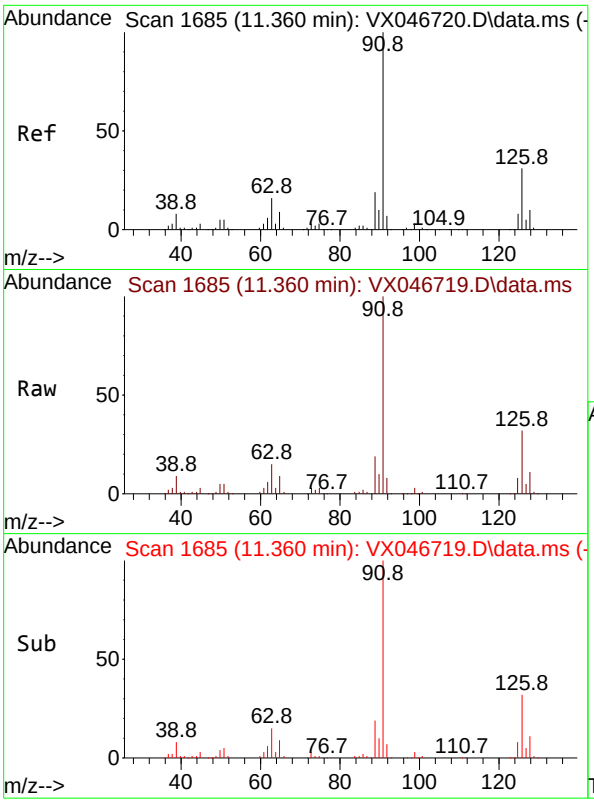



#78
n-propylbenzene
Concen: 21.410 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 91 Resp: 184078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 20.952 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

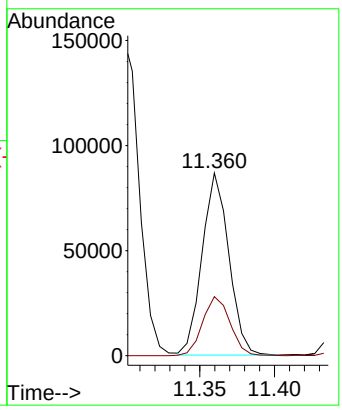
Tgt Ion: 91 Resp: 10755

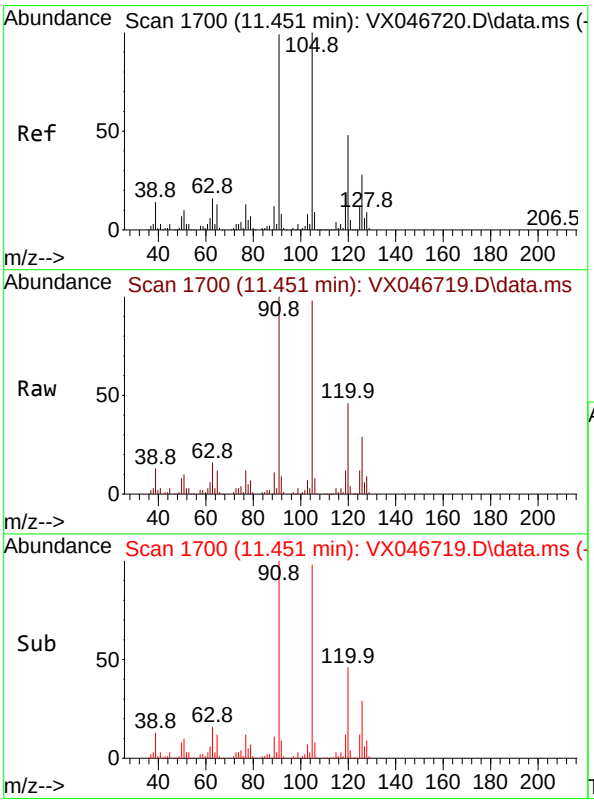
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

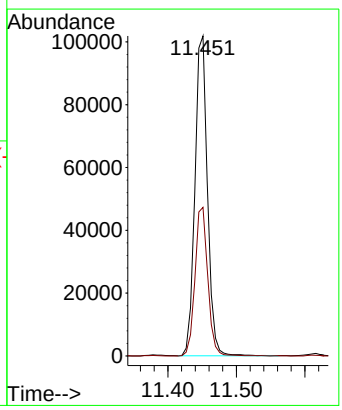


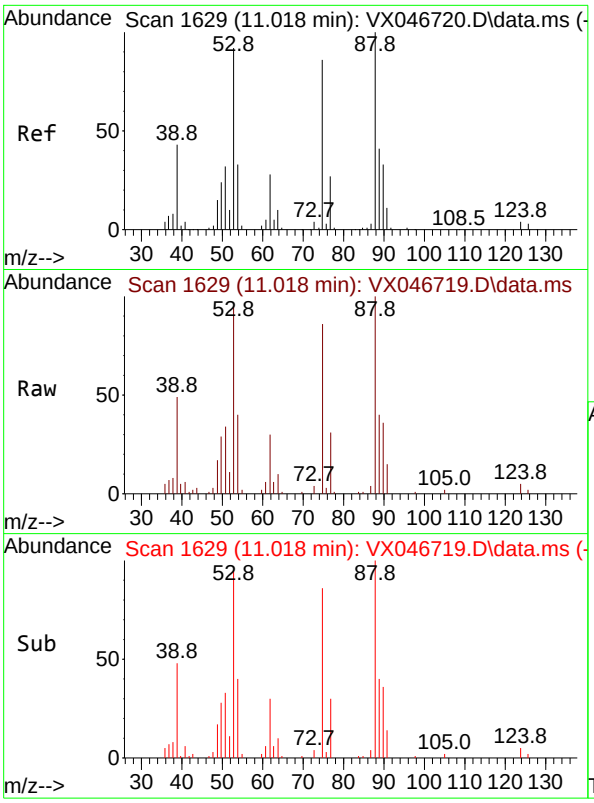




#80
1,3,5-Trimethylbenzene
Concen: 21.793 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 129635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.1 | 72.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 18.362 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

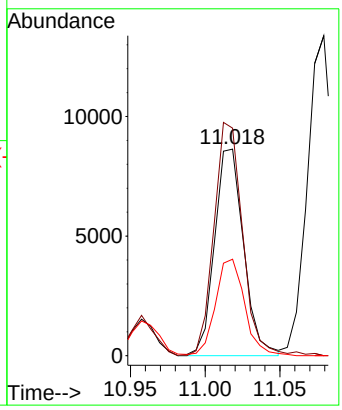
Tgt Ion: 75 Resp: 1169

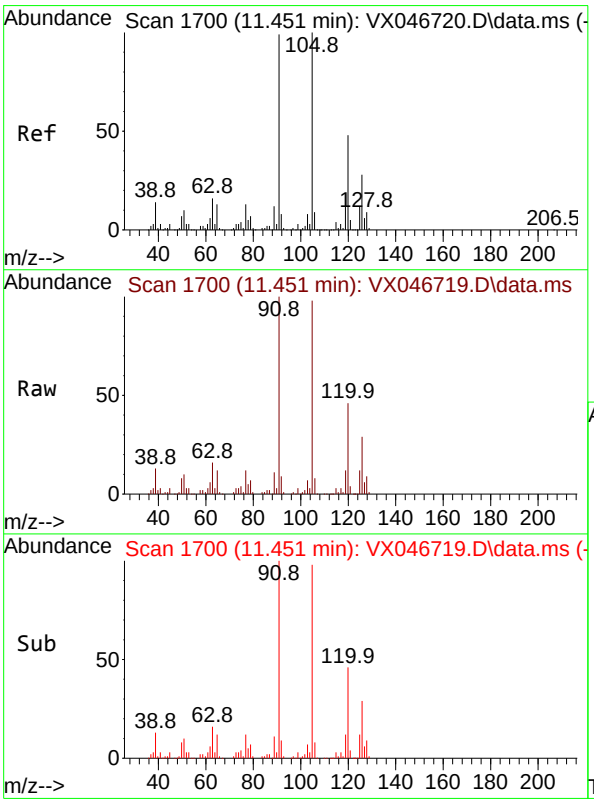
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.5 | 86.8 | 130.2 |
| 89 | 46.7 | 36.9 | 55.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

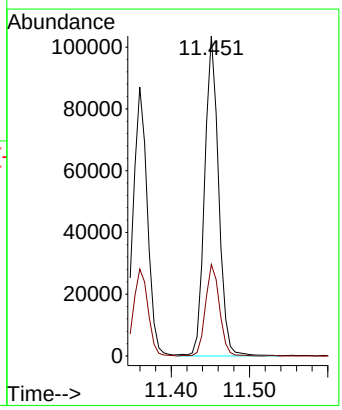


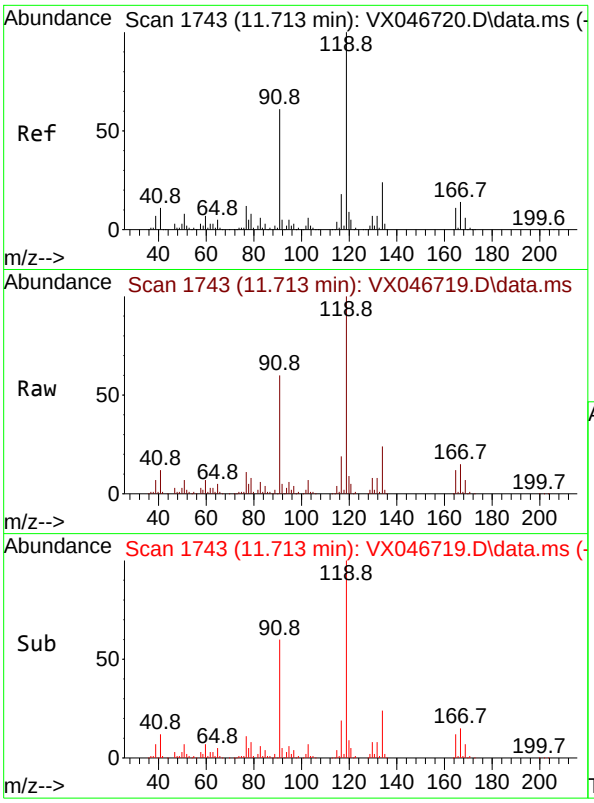




#82
4-Chlorotoluene
Concen: 21.358 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 91 Resp: 127954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.4 | 43.2 |

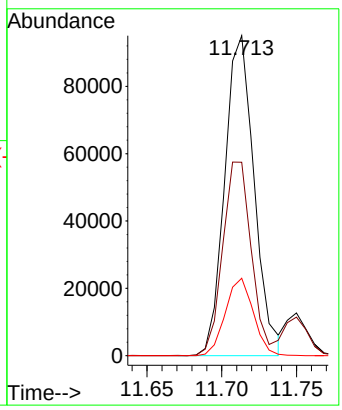





#83
tert-Butylbenzene
Concen: 21.201 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:119 Resp: 13035

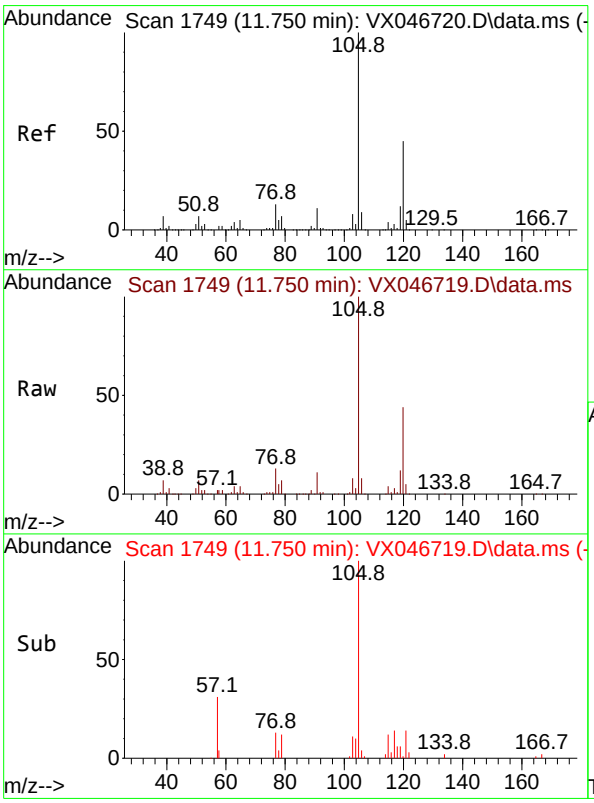
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

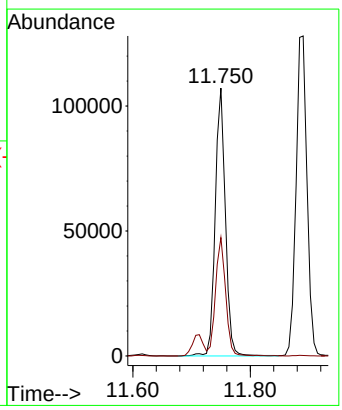
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

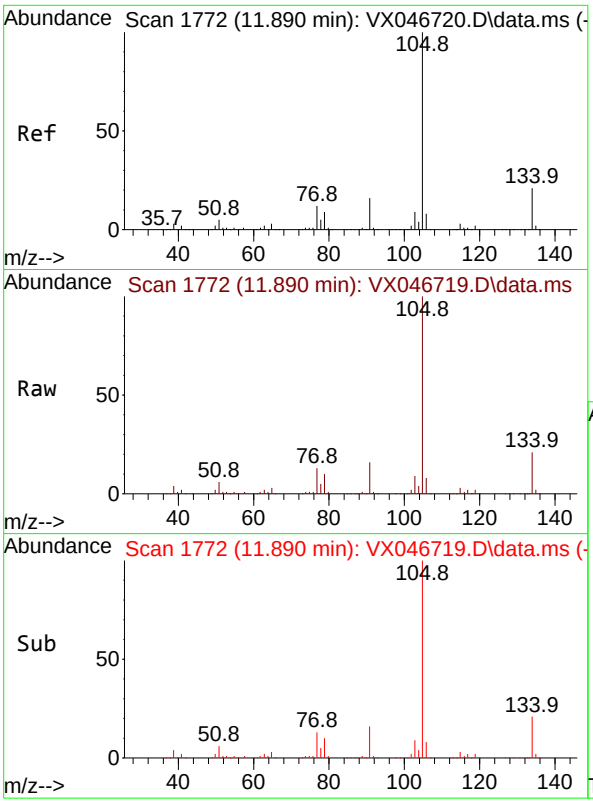



#84
1,2,4-Trimethylbenzene
Concen: 21.512 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 128566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.3 |

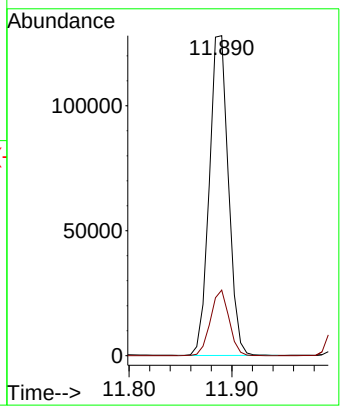





#85
sec-Butylbenzene
Concen: 21.239 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 16504

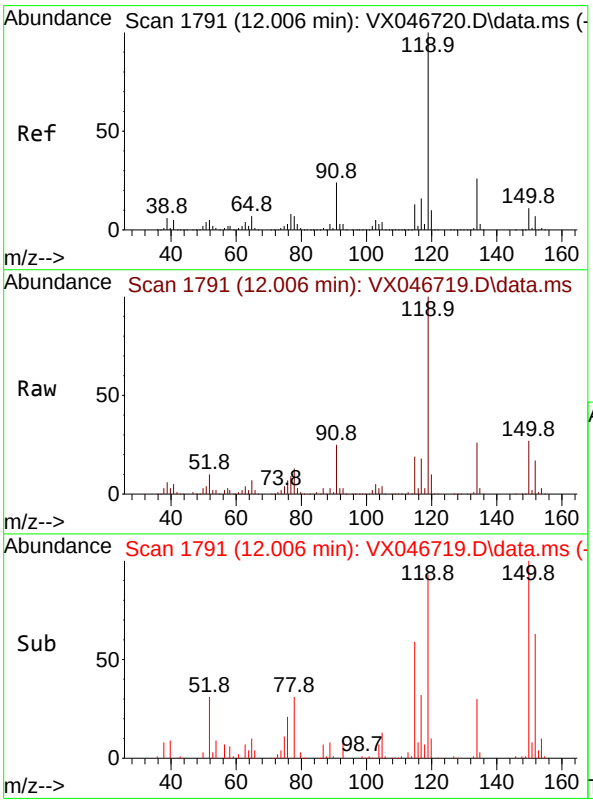
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

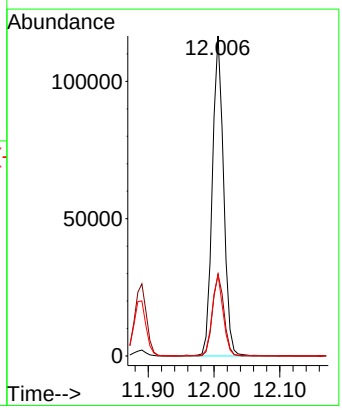
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

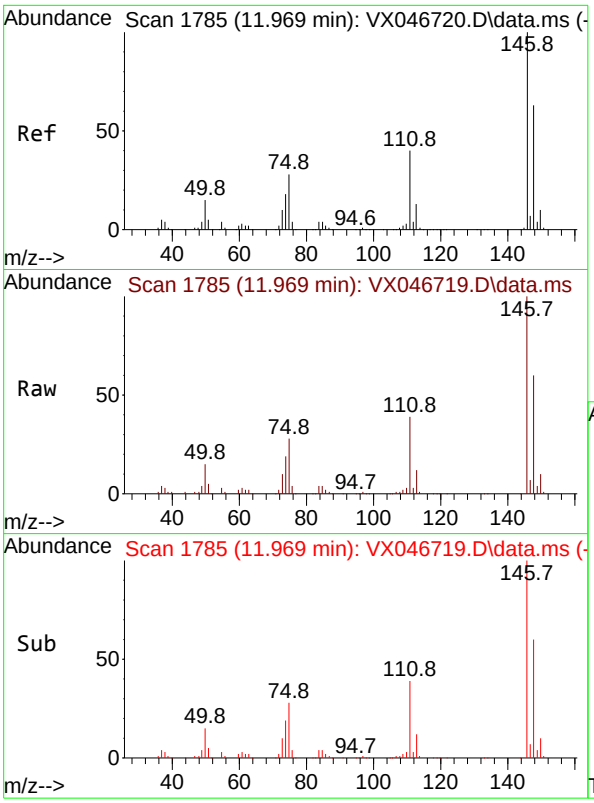



#86
p-Isopropyltoluene
Concen: 21.142 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:119 Resp: 138623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.8 | 12.3 | 36.9 |

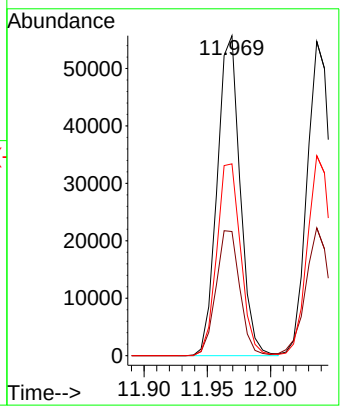





#87
1,3-Dichlorobenzene
Concen: 20.681 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:146 Resp: 7024

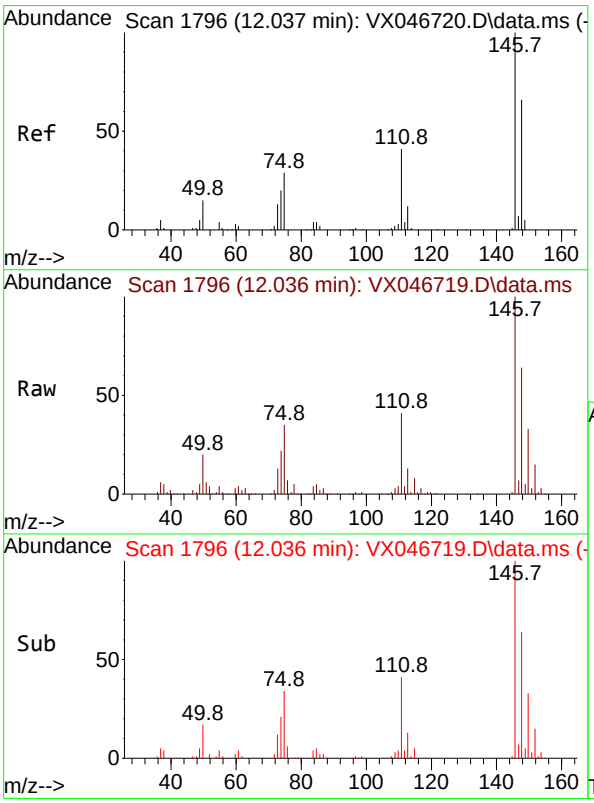
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.6 | 61.8 |
| 148 | 62.4 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

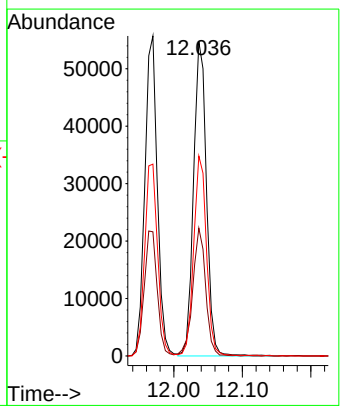
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

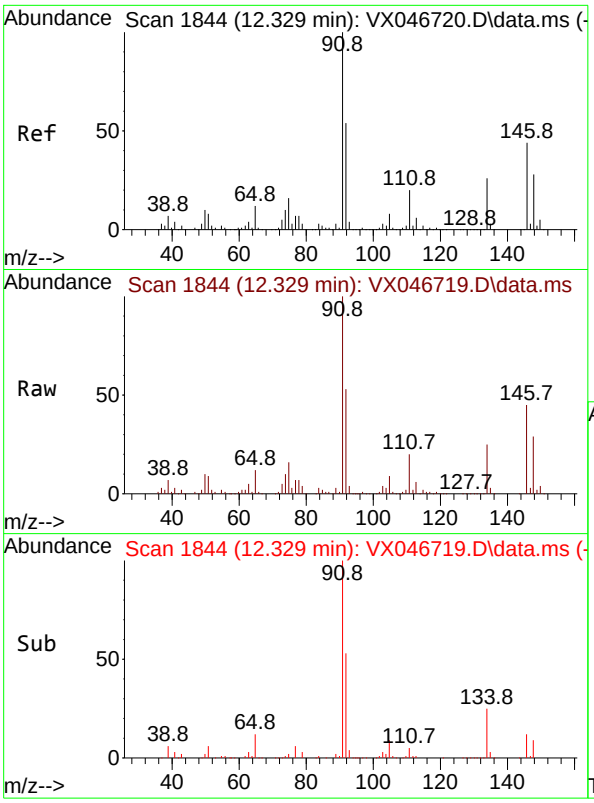



#88
1,4-Dichlorobenzene
Concen: 20.625 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:146 Resp: 71953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 62.6 | 32.1 | 96.5 |

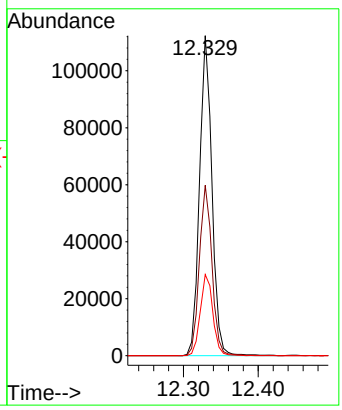





#89
n-Butylbenzene
Concen: 20.738 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 91 Resp: 12910

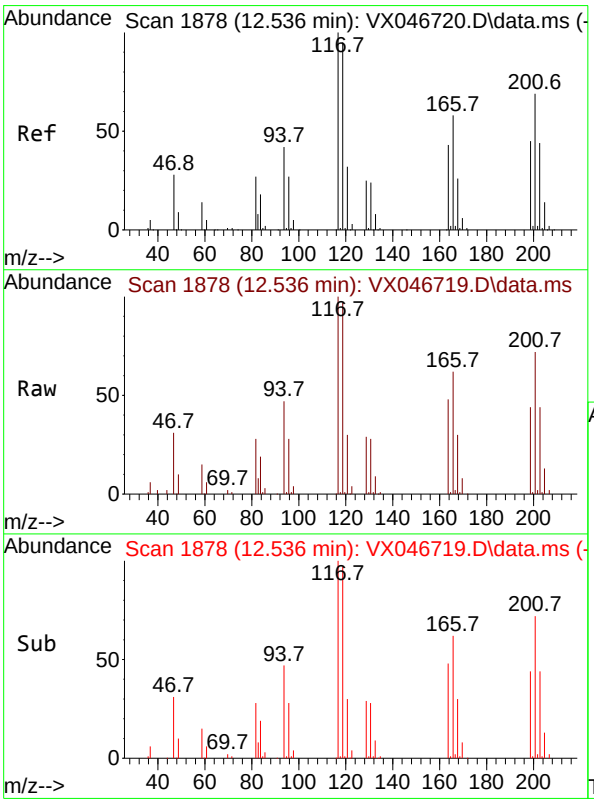
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.8 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

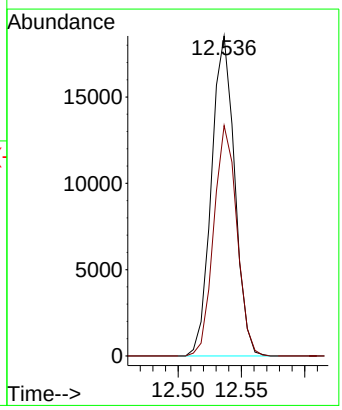
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

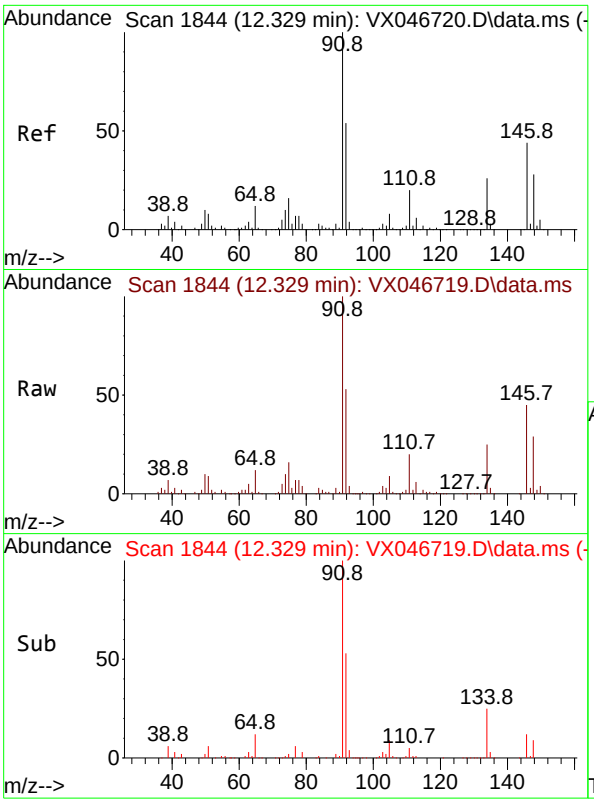



#90
Hexachloroethane
Concen: 20.594 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:117 Resp: 23645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.6 | 34.4 | 103.3 |

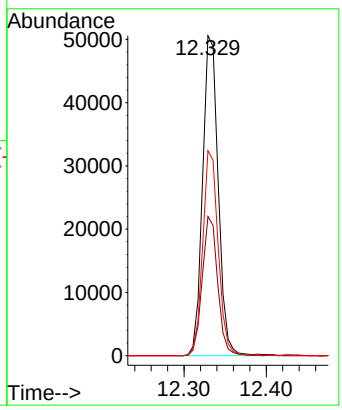





#91
1,2-Dichlorobenzene
Concen: 21.073 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:146 Resp: 6688

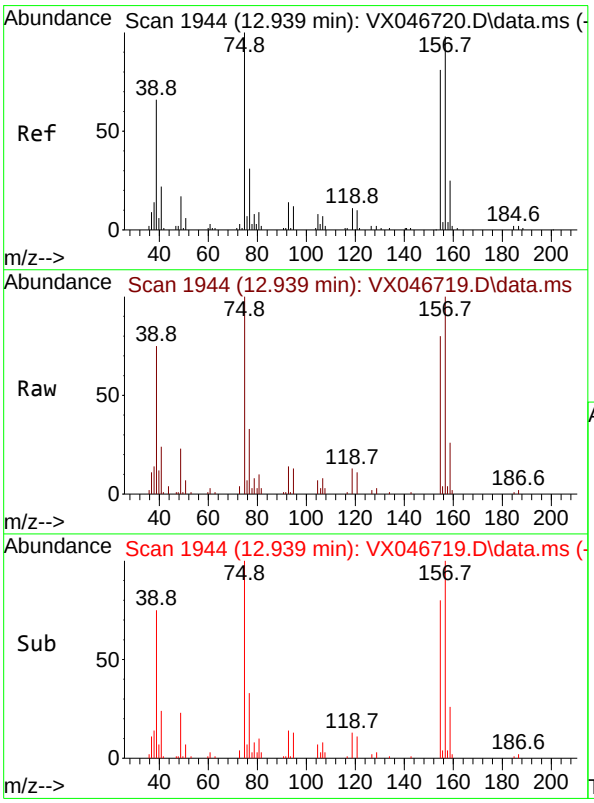
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

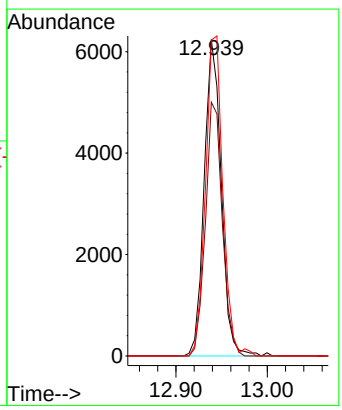
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

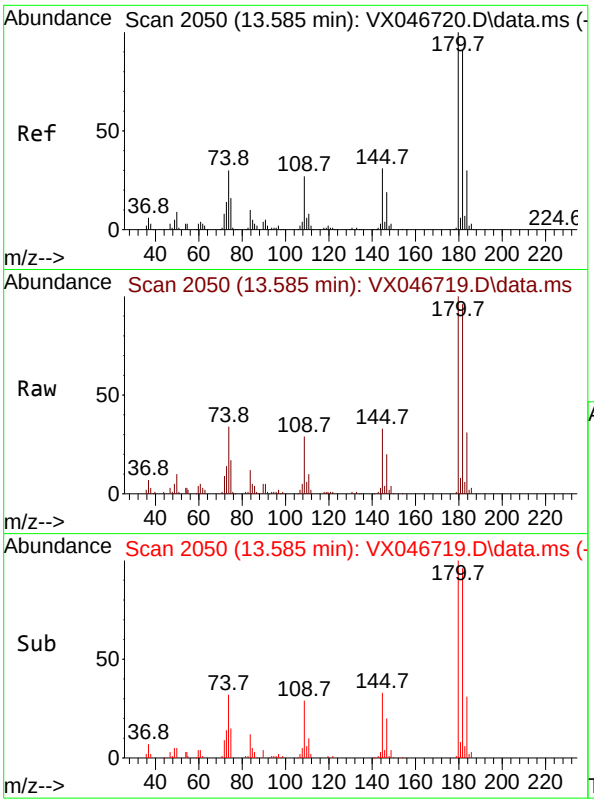



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 8071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.6 | 41.9 | 125.7 |
| 157 | 102.7 | 51.4 | 154.3 |

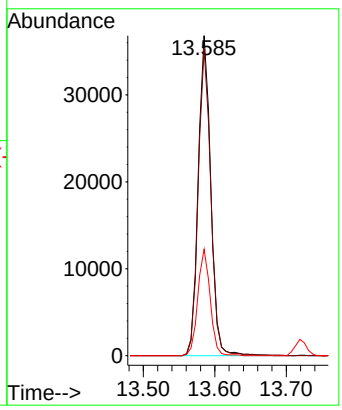





#93
1,2,4-Trichlorobenzene
Concen: 19.821 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:180 Resp: 4472

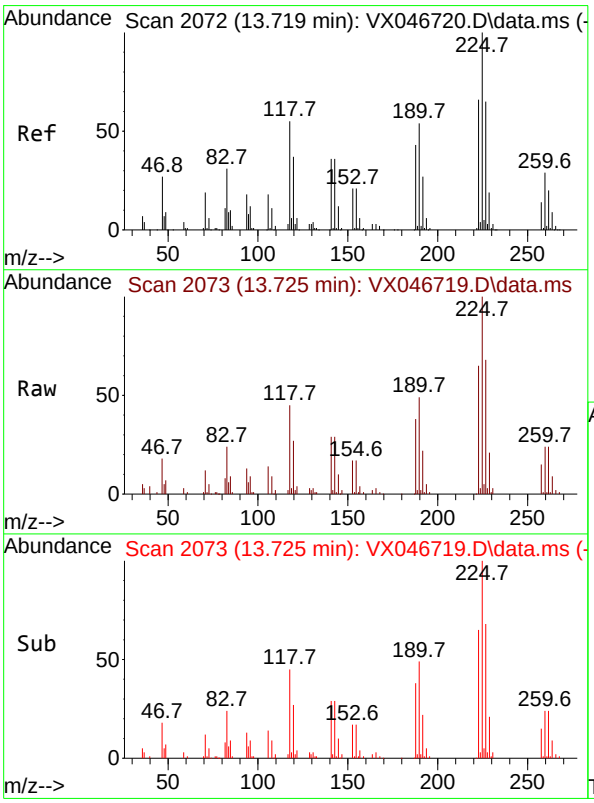
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.7 | 140.1 |
| 145 | 32.8 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

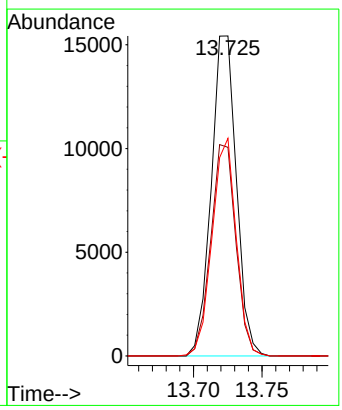
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

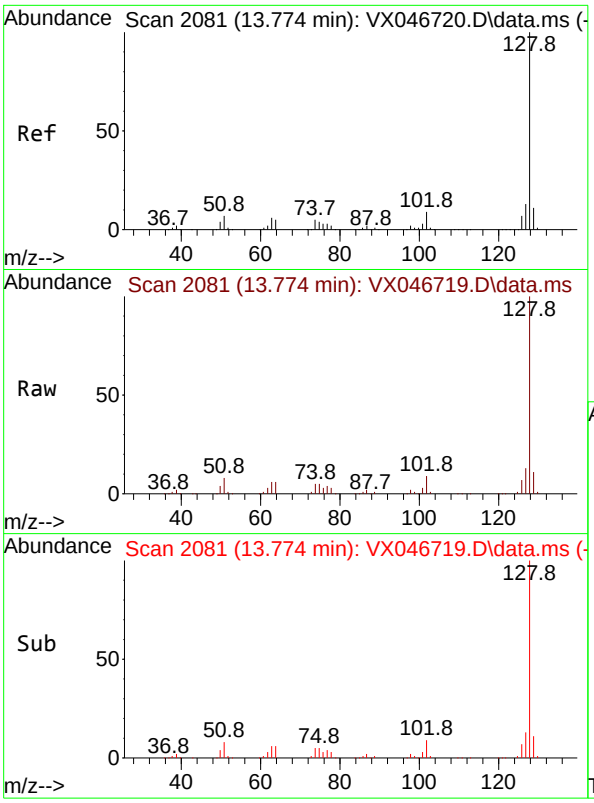



#94
Hexachlorobutadiene
Concen: 20.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:225 Resp: 19698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.0 | 32.5 | 97.5 |
| 227 | 65.3 | 32.2 | 96.6 |

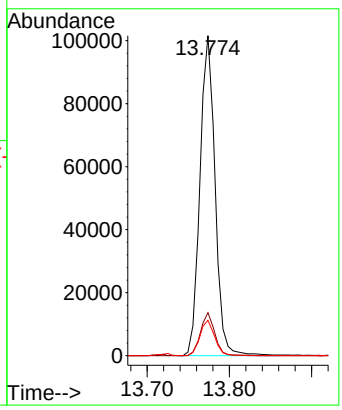





#95
Naphthalene
Concen: 20.186 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:128 Resp: 12976

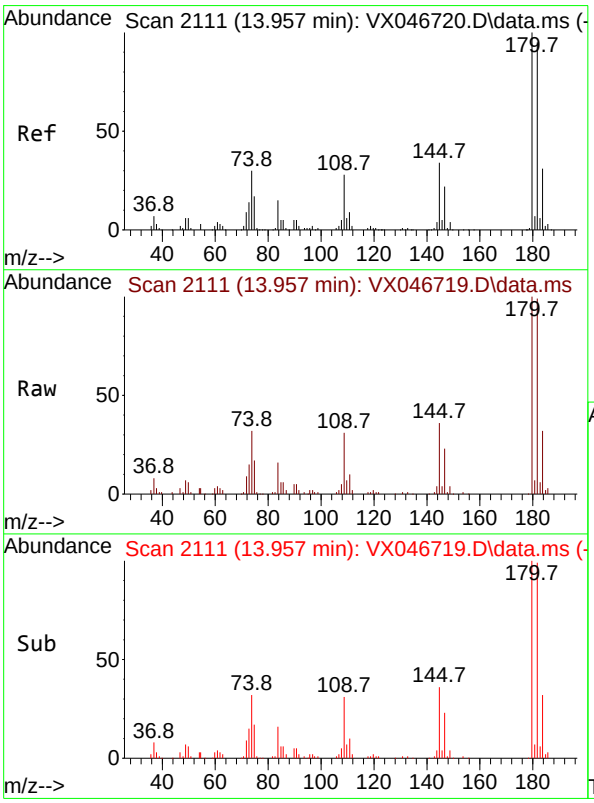
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.8 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

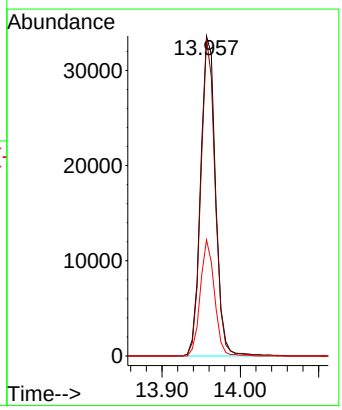
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 20.558 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:180 Resp: 44380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 47.8 | 143.4 |
| 145 | 34.4 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 123412 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 204400 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179407 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89016 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 80133 | 46.944 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.880% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 65447 | 48.394 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.780% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 233825 | 48.124 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 87131 | 48.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 71910 | 54.577 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 73175 | 51.454 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 78242 | 51.592 | ug/l | 100 |
| 5) Bromomethane | 1.624 | 94 | 45535 | 53.367 | ug/l | 100 |
| 6) Chloroethane | 1.703 | 64 | 46570 | 50.665 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 119335 | 51.823 | ug/l | 100 |
| 8) Diethyl Ether | 2.148 | 74 | 39712 | 50.251 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 71037 | 50.285 | ug/l | 100 |
| 10) Methyl Iodide | 2.471 | 142 | 80710 | 46.019 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 38256 | 249.692 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 70202 | 51.500 | ug/l | 100 |
| 13) Acrolein | 2.246 | 56 | 53791 | 241.036 | ug/l | 100 |
| 14) Allyl chloride | 2.678 | 41 | 123265 | 49.909 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 175846 | 255.243 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 135683 | 238.356 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 197344 | 47.941 | ug/l | 100 |
| 18) Methyl Acetate | 2.715 | 43 | 71685 | 49.582 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 216266 | 50.953 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 75315 | 47.576 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 72648 | 49.807 | ug/l | 100 |
| 22) Diisopropyl ether | 3.770 | 45 | 242789 | 51.143 | ug/l | 100 |
| 23) Vinyl Acetate | 3.733 | 43 | 985040 | 260.935 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 134324 | 49.835 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 208346 | 258.788 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 93956 | 47.794 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 84638 | 49.392 | ug/l | 100 |
| 28) Bromochloromethane | 4.910 | 49 | 59857 | 48.984 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 133555 | 256.831 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 137459 | 50.996 | ug/l | 100 |
| 31) Cyclohexane | 5.483 | 56 | 125014 | 48.909 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 117954 | 49.895 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 97413 | 49.899 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 88076 | 48.877 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 105202 | 49.656 | ug/l | 100 |
| 39) Methylcyclohexane | 7.385 | 83 | 128553 | 50.041 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 289724 | 50.146 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 48765 | 50.762 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 101218 | 49.855 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 146377 | 51.911 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 72796 | 49.441 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 70702 | 49.378 | ug/l | | 100 |
| 46) Dibromomethane | 7.586 | 93 | 51288 | 49.840 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 106651 | 50.787 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 75708 | 53.535 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 19802 | 962.534 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 435000 | 258.656 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 181414 | 50.650 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 99727 | 51.183 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 111917 | 50.598 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 66688 | 49.963 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 103697 | 52.629 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 114824 | 49.955 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 287531 | 280.927 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 303322 | 260.883 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 79227 | 50.368 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 68515 | 50.464 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 61048 | 49.115 | ug/l | | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 195752 | 49.429 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 67004 | 50.341 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 346812 | 50.119 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 259899 | 100.800 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 124120 | 51.366 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 216738 | 51.254 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 51485 | 50.792 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 331391 | 50.548 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 130606 | 52.581 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 92893 | 50.745 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 88091m | 48.721 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 79404 | 50.331 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 394375 | 50.646 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 230178 | 49.509 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 273477 | 50.761 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27677 | 47.984 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 269198 | 49.613 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 277915 | 49.905 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 272510 | 50.345 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 355947 | 50.574 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 297314 | 50.067 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 149402 | 48.568 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 147146 | 46.571 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 280794 | 49.801 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 51961 | 49.968 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 141743 | 49.309 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18747 | 51.873 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 100346 | 49.101 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 42659 | 49.621 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 296912 | 50.994 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 96318 | 49.263 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
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 :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

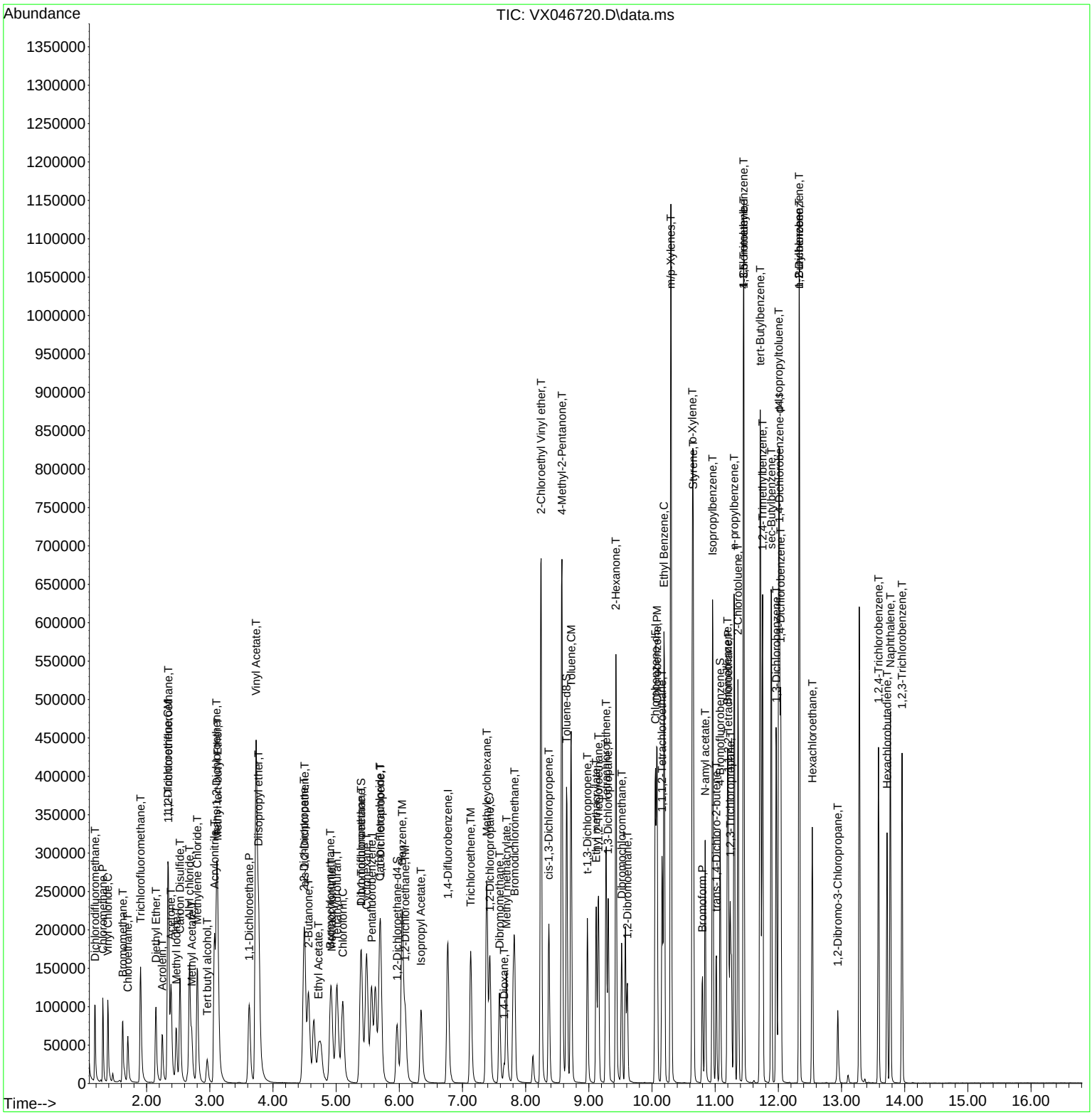
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Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

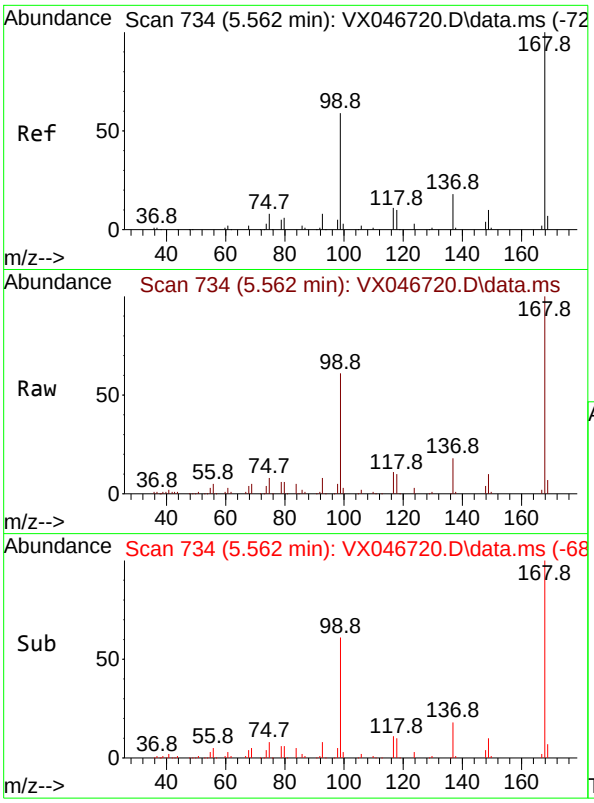
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Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

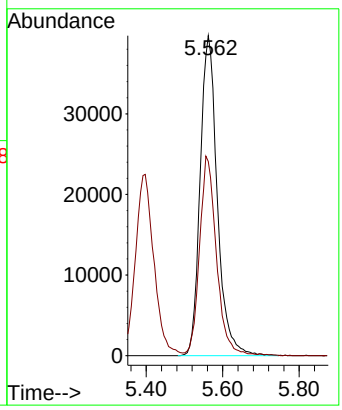





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:168 Resp: 12341

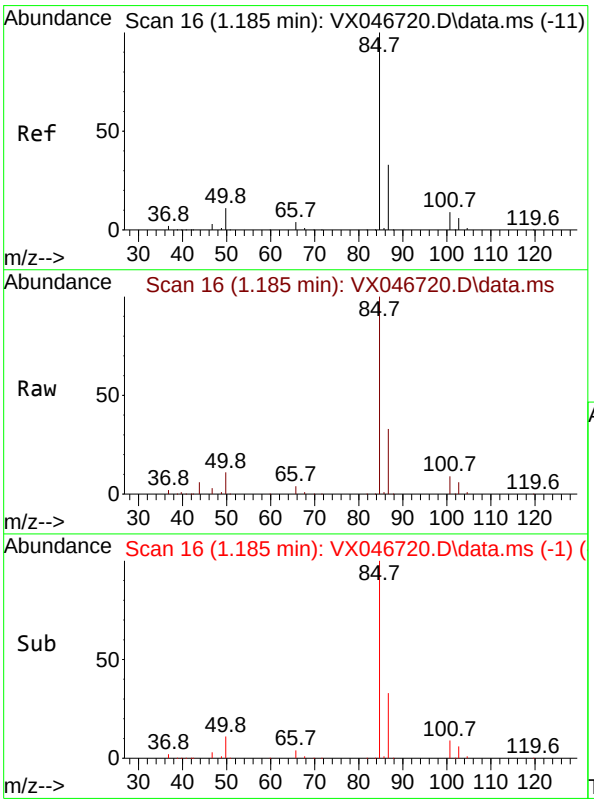
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

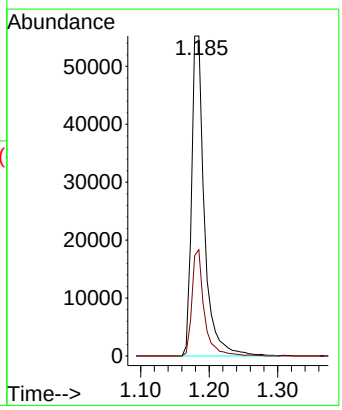
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

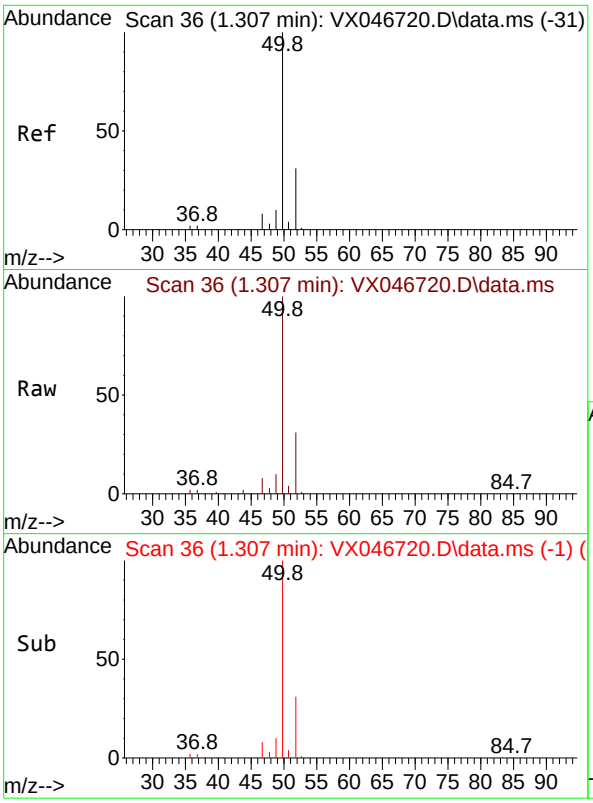



#2
Dichlorodifluoromethane
Concen: 54.577 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 85 Resp: 71910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 16.6 | 49.8 |

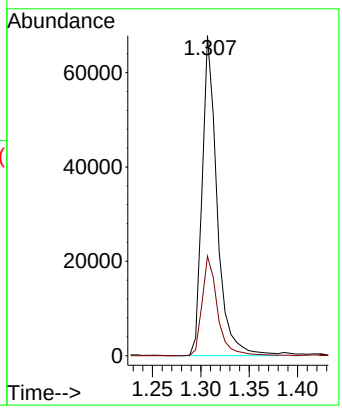





#3
Chloromethane
Concen: 51.454 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 50 Resp: 7317

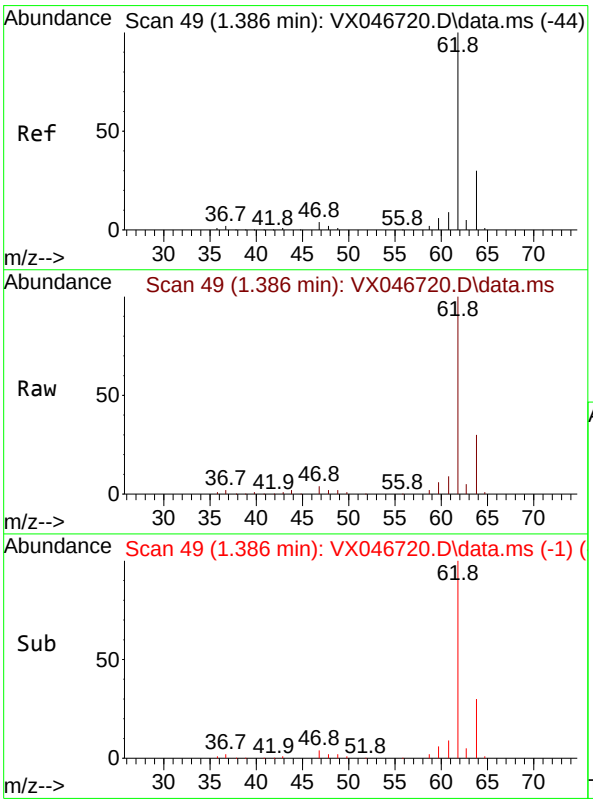
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

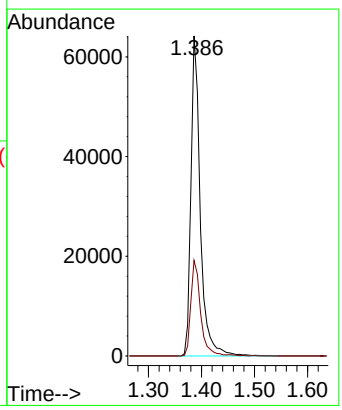
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

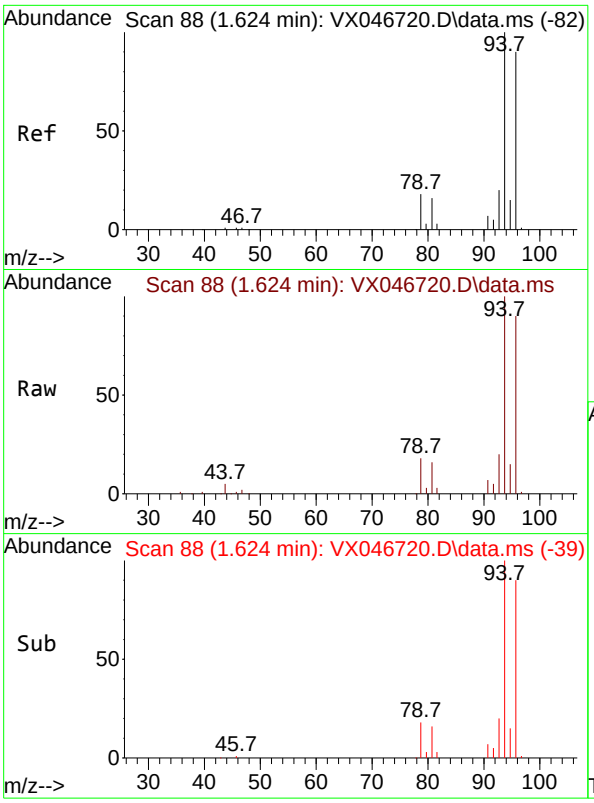



#4
Vinyl Chloride
Concen: 51.592 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 62 Resp: 78242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.9 | 23.9 | 35.9 |

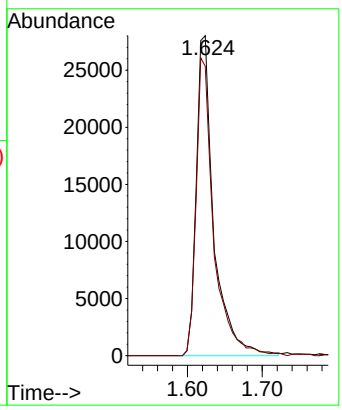





#5
Bromomethane
Concen: 53.367 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 94 Resp: 4553

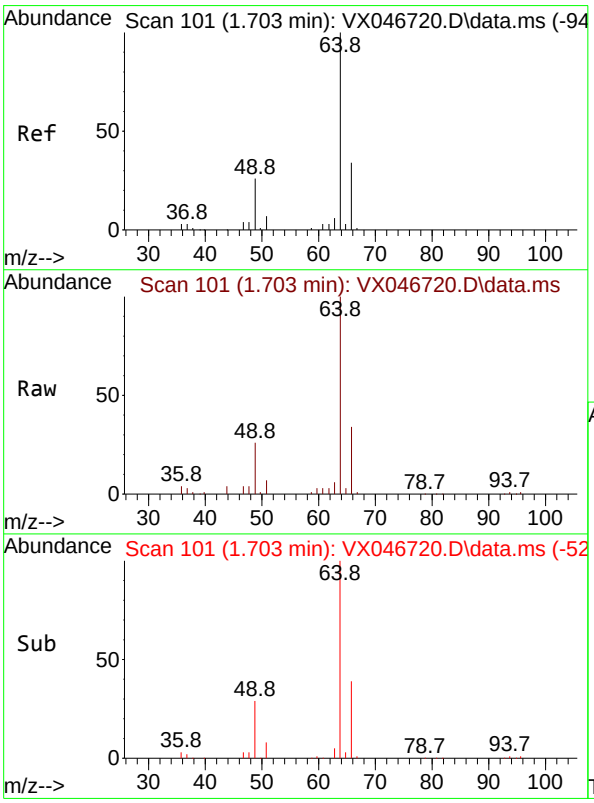
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.4 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

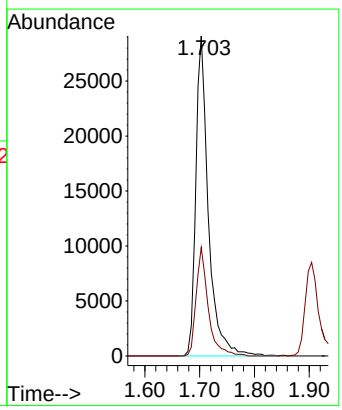
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

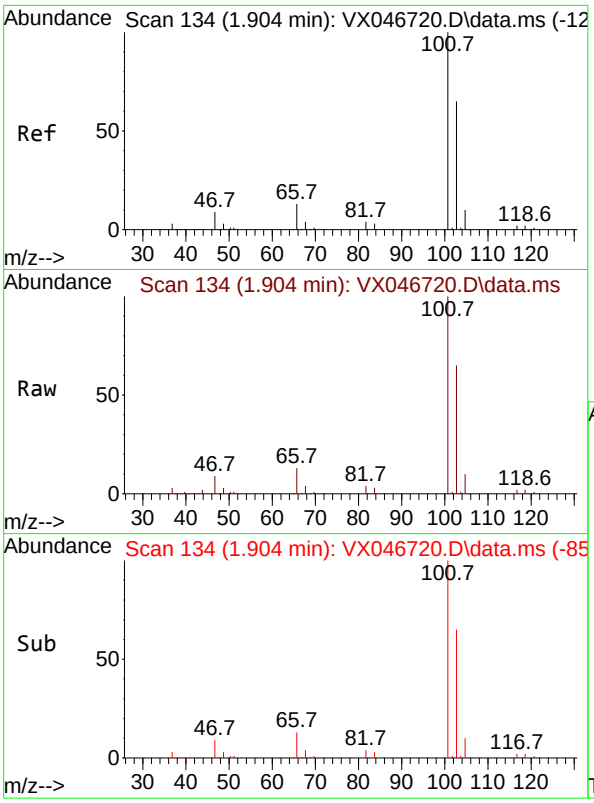



#6
Chloroethane
Concen: 50.665 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 64 Resp: 46570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.9 | 27.1 | 40.7 |

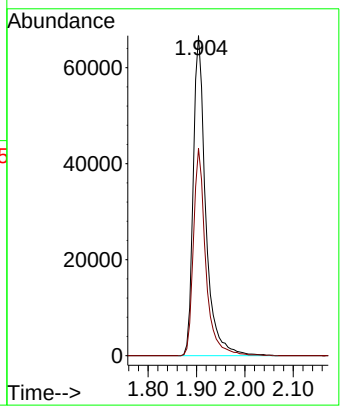





#7
Trichlorofluoromethane
Concen: 51.823 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:101 Resp: 11933

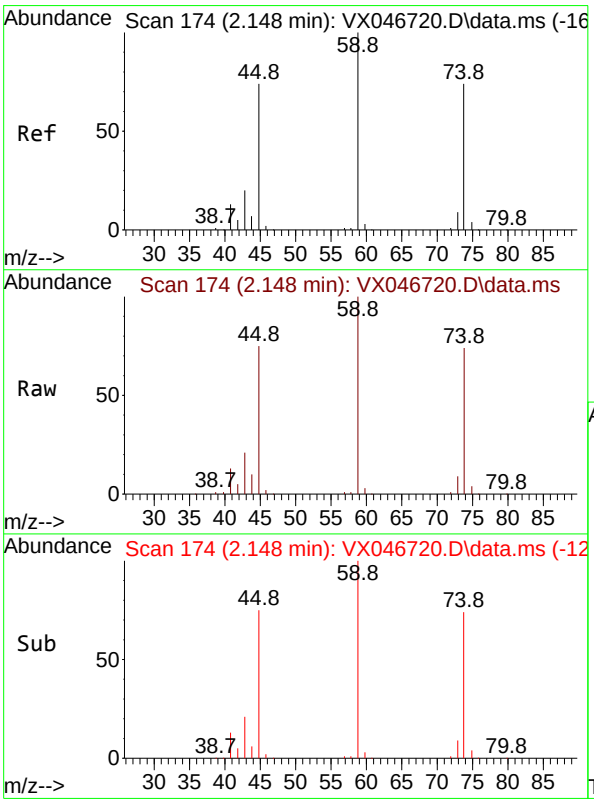
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

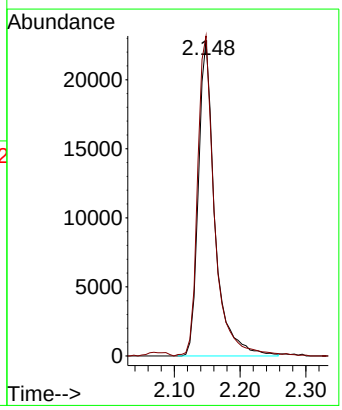
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

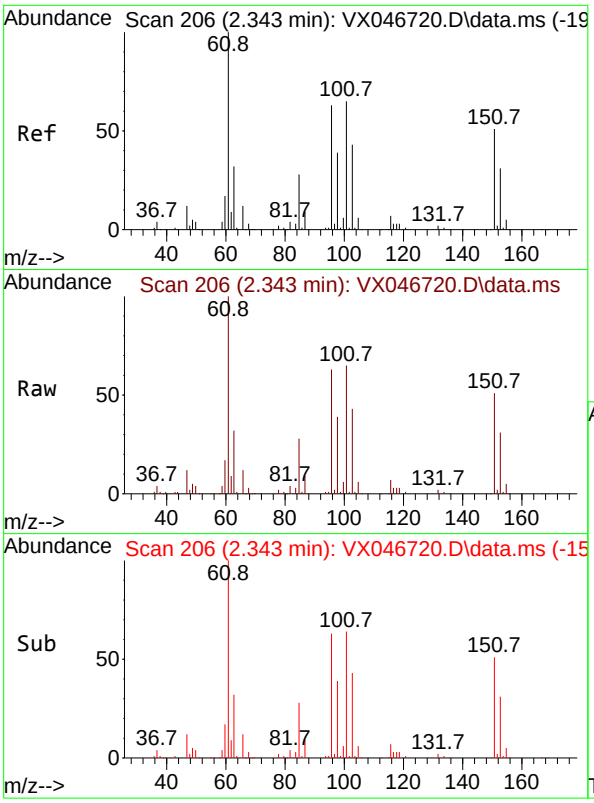



#8
Diethyl Ether
Concen: 50.251 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 74 Resp: 39712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.7 | 52.3 | 157.1 |

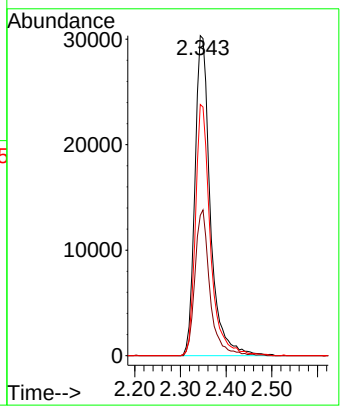





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.285 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:101 Resp: 7103

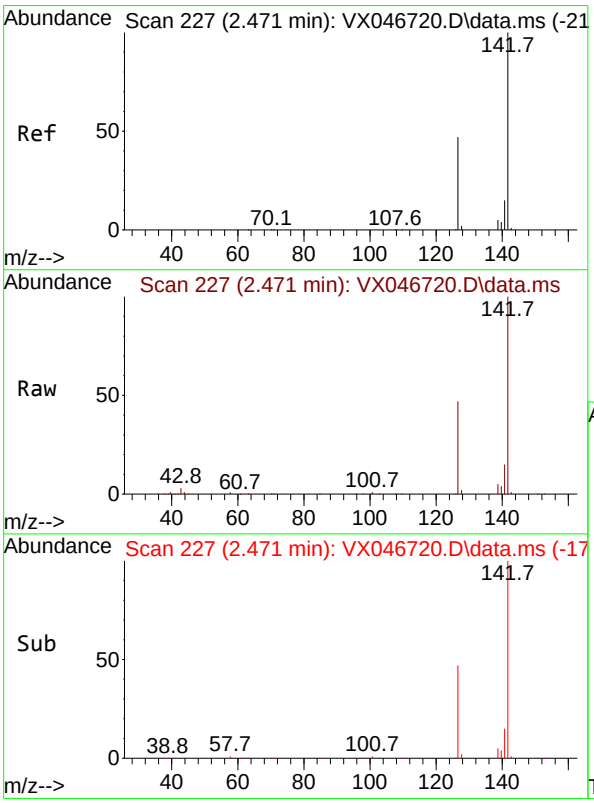
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.2 | 35.4 | 53.0 |
| 151 | 76.5 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

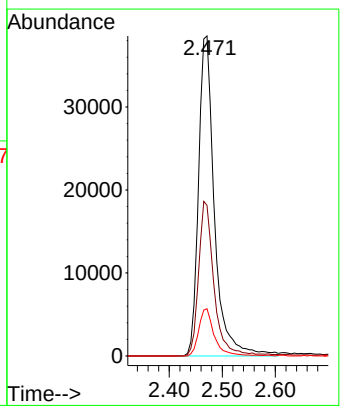
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

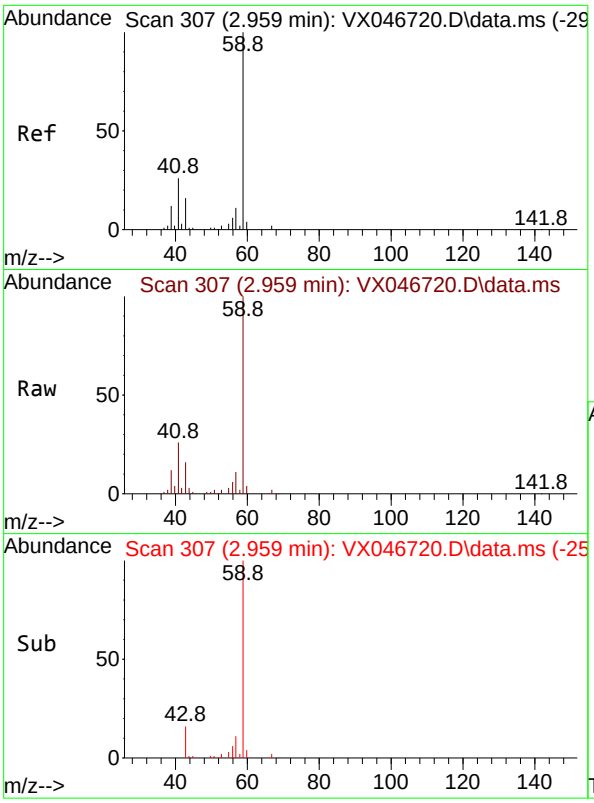



#10
Methyl Iodide
Concen: 46.019 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:142 Resp: 80710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.3 | 37.0 | 55.6 |
| 141 | 14.4 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 249.692 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

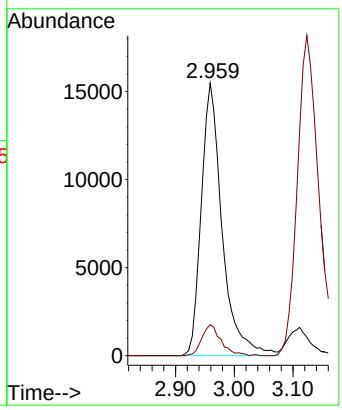
Tgt Ion: 59 Resp: 3825

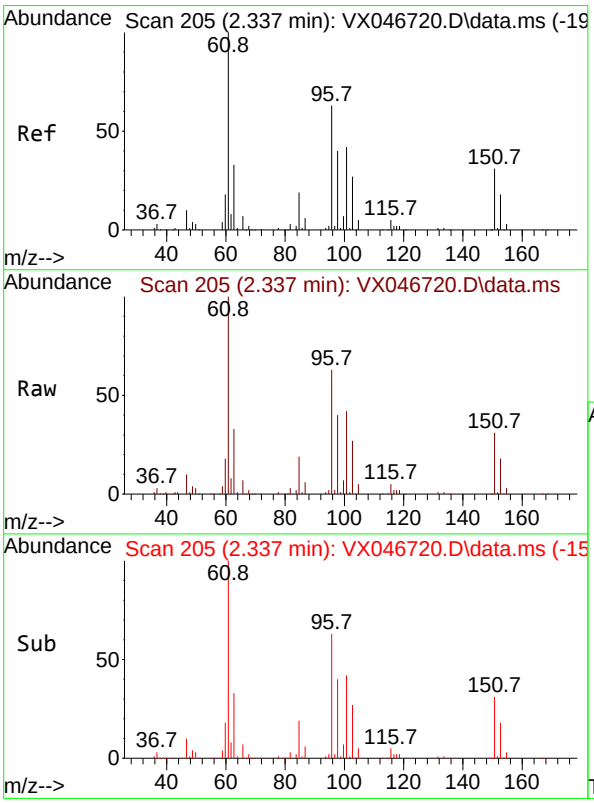
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

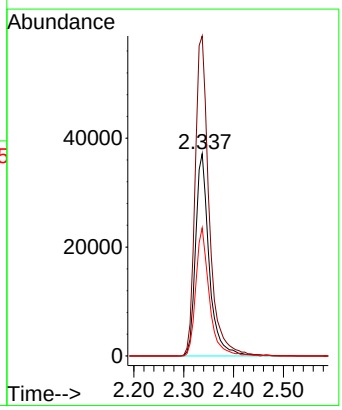


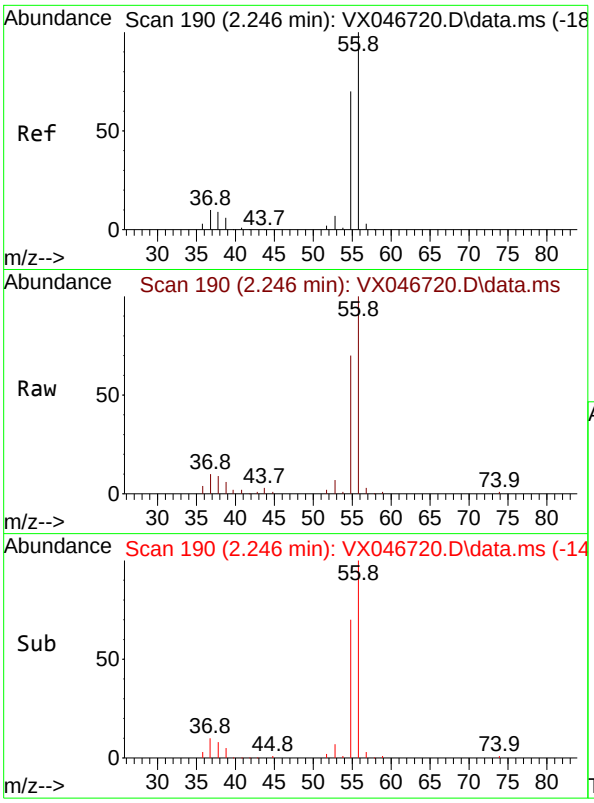




#12
1,1-Dichloroethene
Concen: 51.500 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 96 Resp: 70202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.2 | 126.6 | 189.8 |
| 98 | 63.4 | 50.7 | 76.1 |

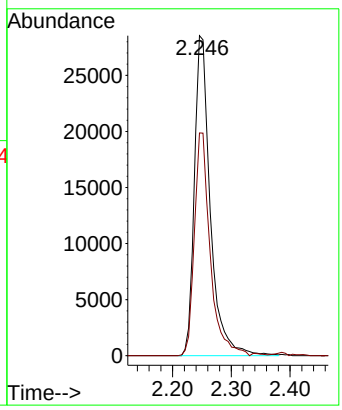





#13
Acrolein
Concen: 241.036 ug/l
RT: 2.246 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 56 Resp: 5379

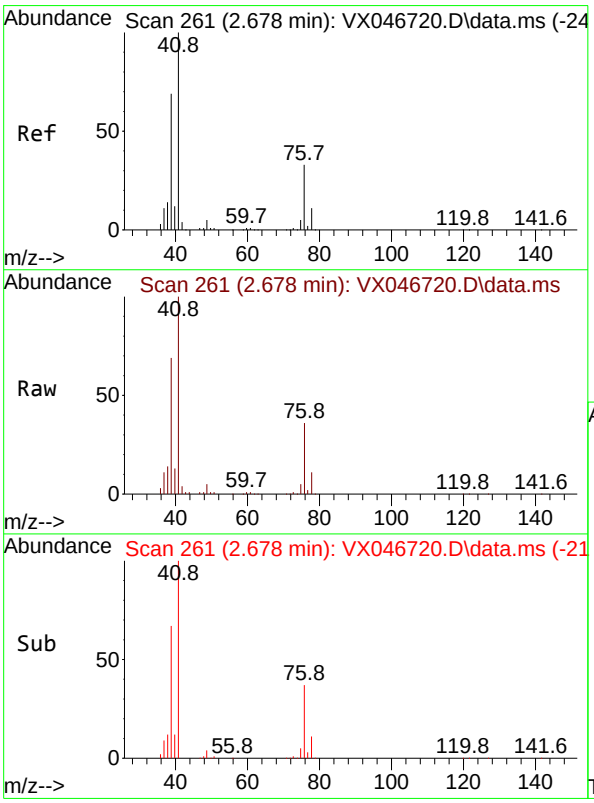
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.0 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

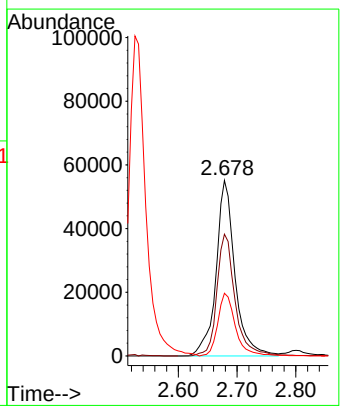
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

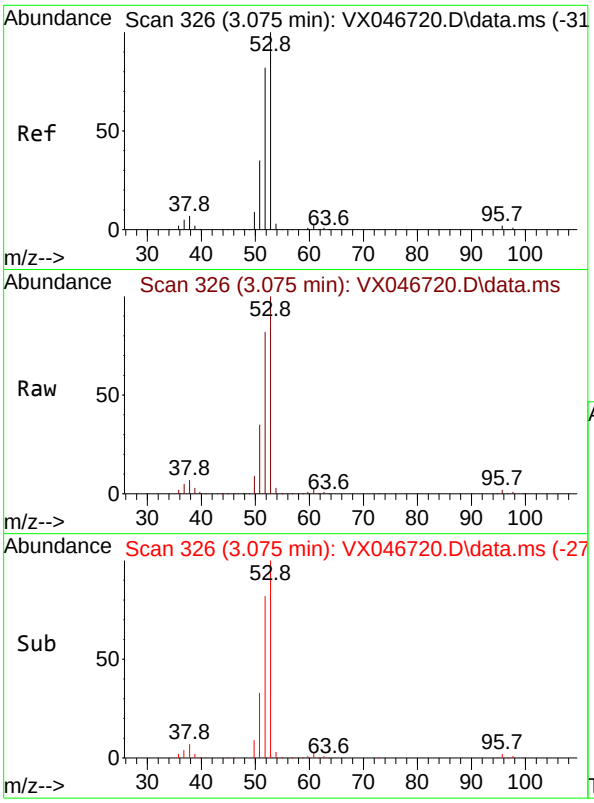



#14
Allyl chloride
Concen: 49.909 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 41 Resp: 123265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 53.6 | 80.4 |
| 76 | 33.5 | 26.8 | 40.2 |

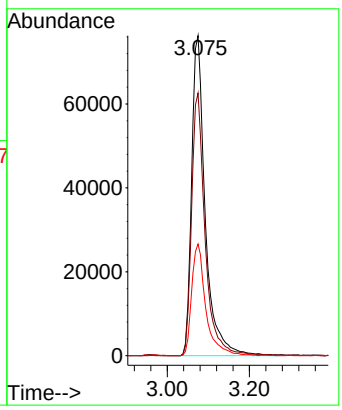





#15
Acrylonitrile
Concen: 255.243 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 53 Resp: 17584

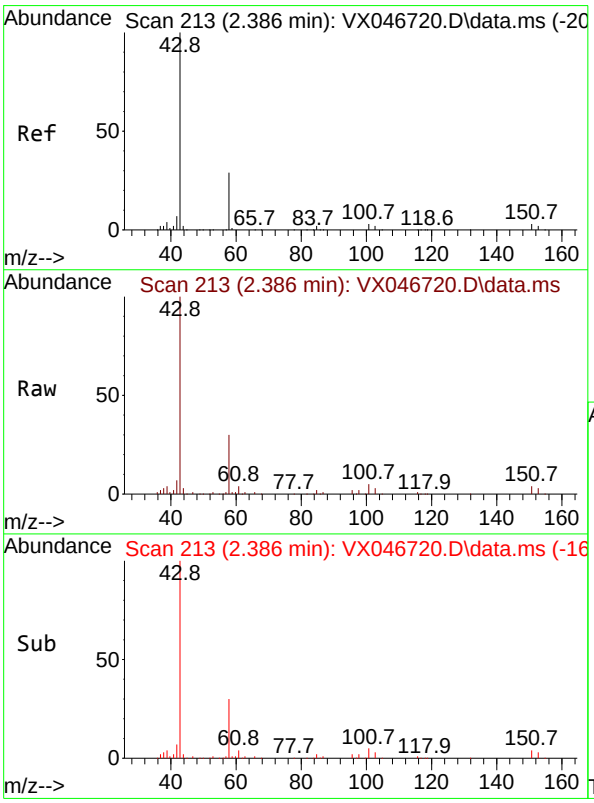
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.4 | 65.1 | 97.7 |
| 51 | 36.1 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

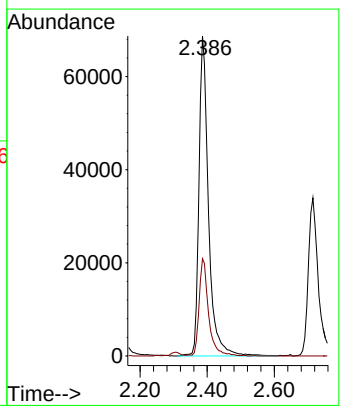
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

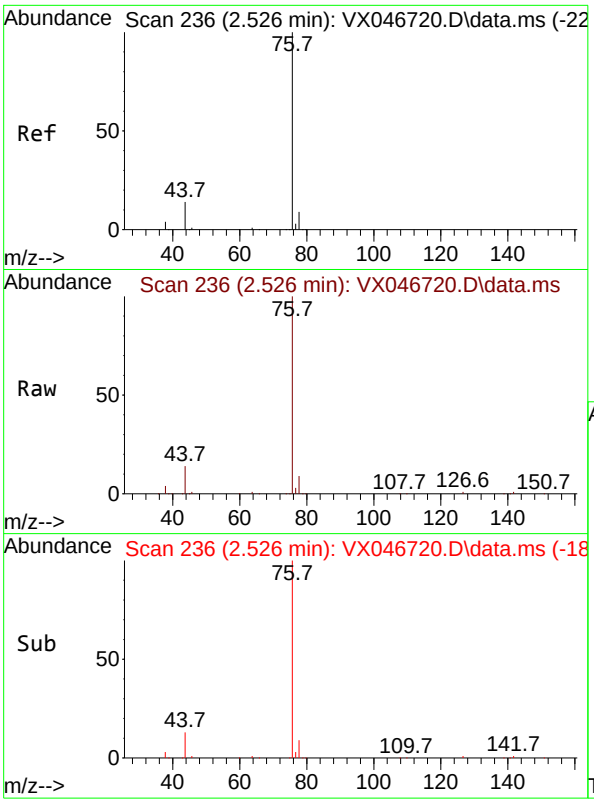



#16
Acetone
Concen: 238.356 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 135683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 24.5 | 36.7 |

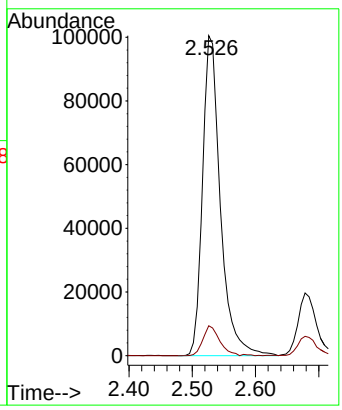





#17
Carbon Disulfide
Concen: 47.941 ug/l
RT: 2.526 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 76 Resp: 19734

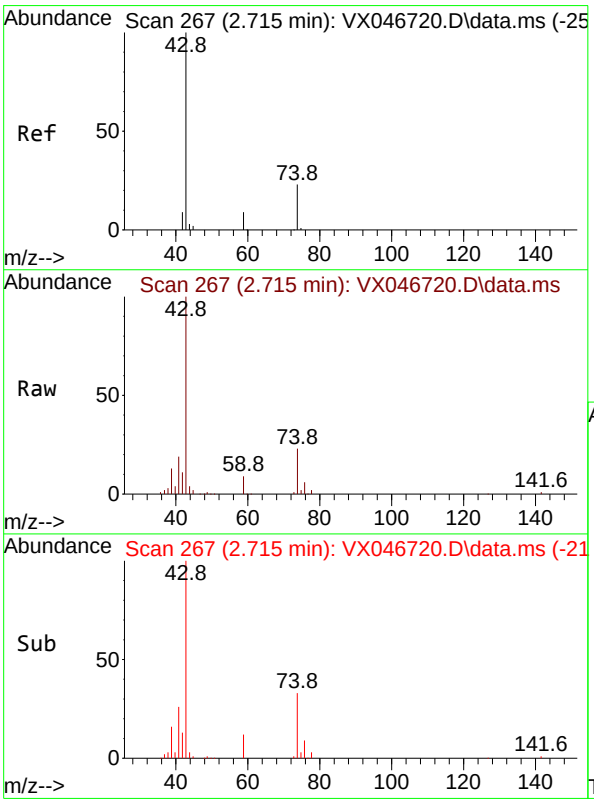
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

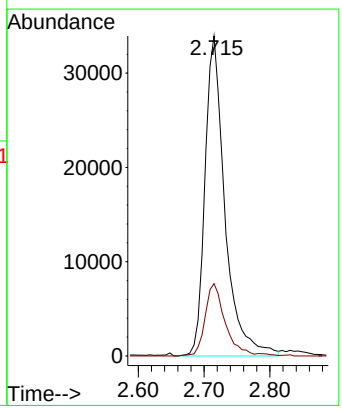
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

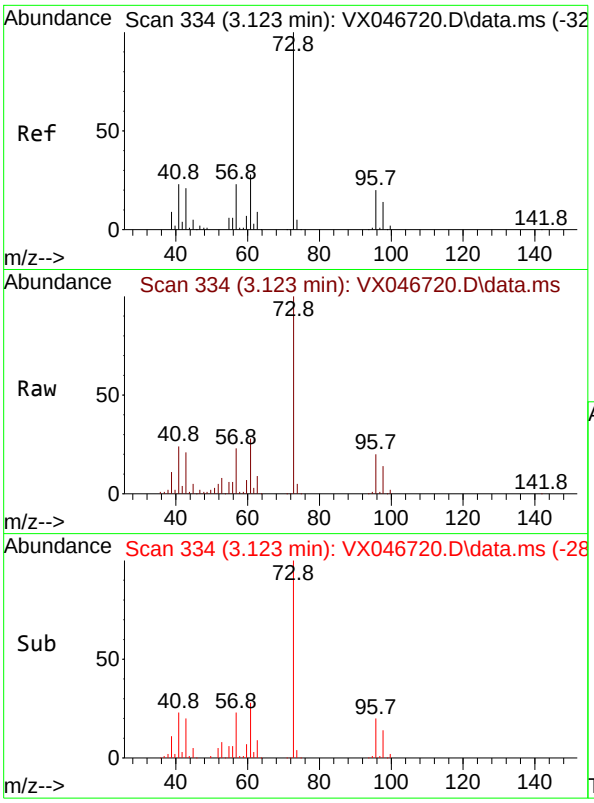



#18
Methyl Acetate
Concen: 49.582 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 71685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 18.4 | 27.6 |

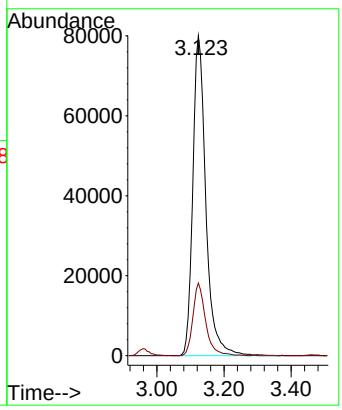





#19
Methyl tert-butyl Ether
Concen: 50.953 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 73 Resp: 21626

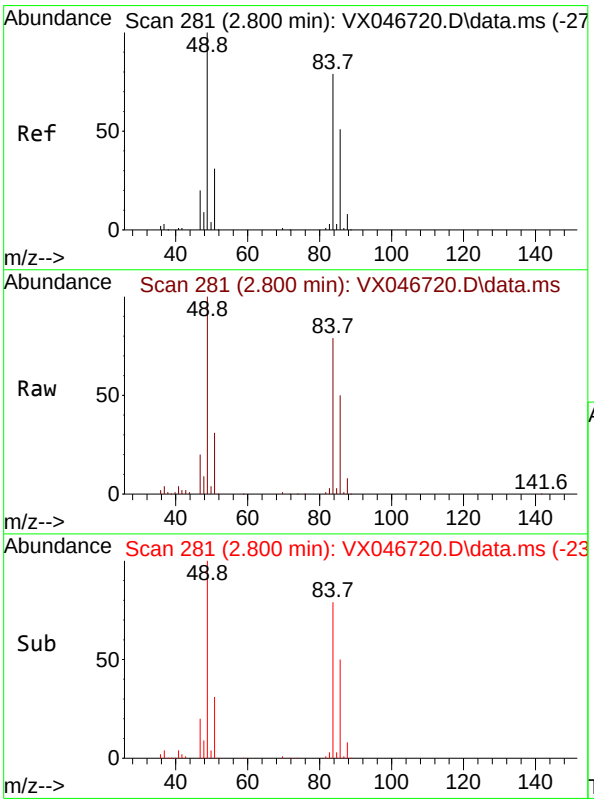
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

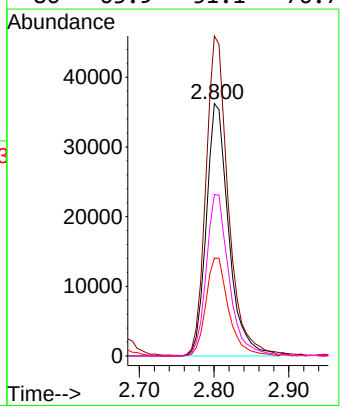
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

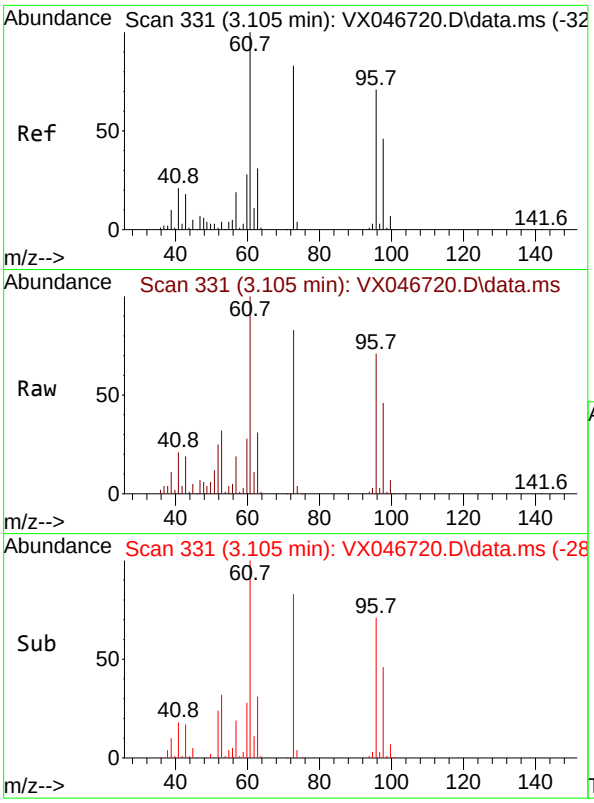



#20
Methylene Chloride
Concen: 47.576 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 84 Resp: 75315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 63.9 | 51.1 | 76.7 |

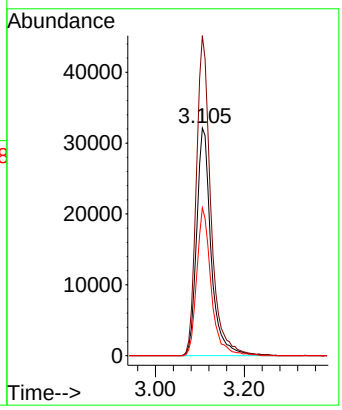





#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 96 Resp: 7264

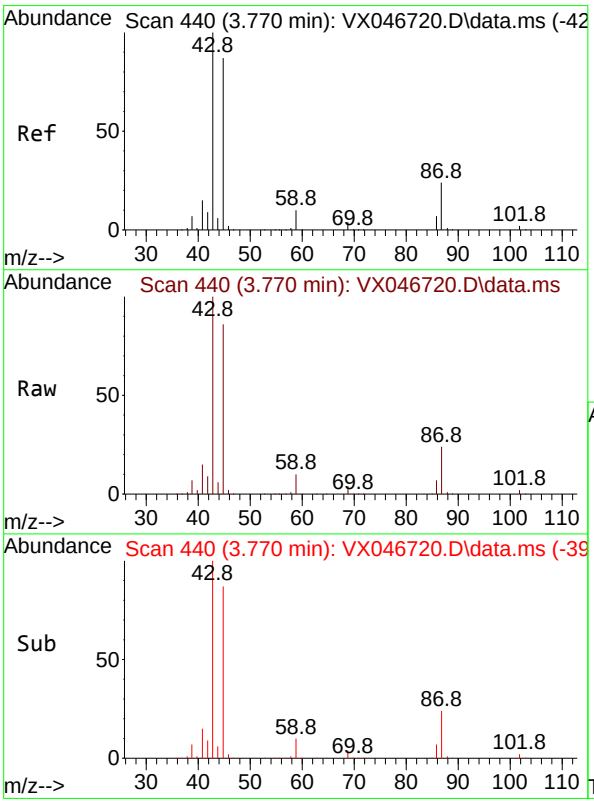
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.6 | 112.5 | 168.7 |
| 98 | 64.9 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

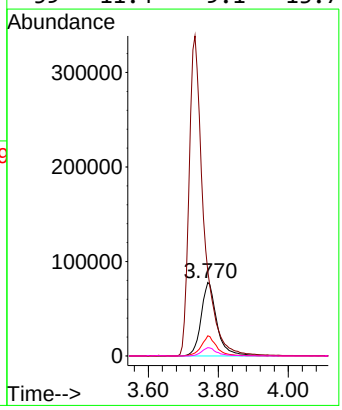
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

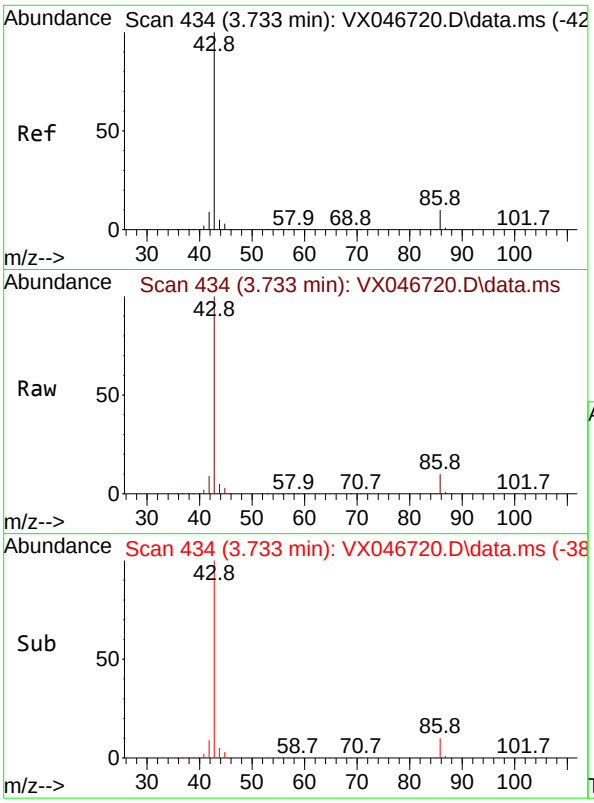



#22
Diisopropyl ether
Concen: 51.143 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 45 Resp: 242789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 114.9 | 91.9 | 137.9 |
| 87 | 27.5 | 22.0 | 33.0 |
| 59 | 11.4 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 260.935 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

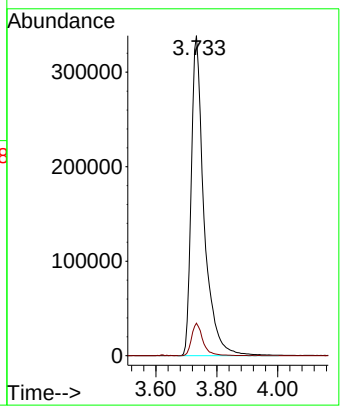
Tgt Ion: 43 Resp: 98504

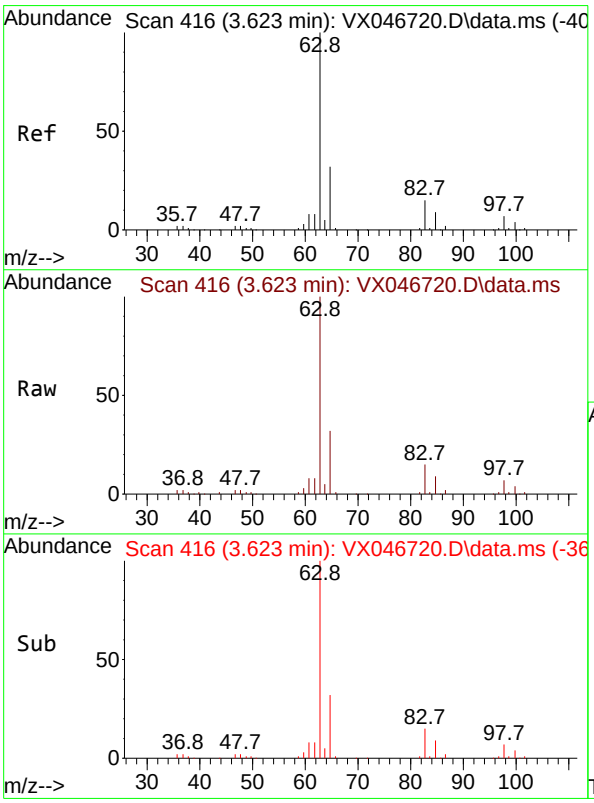
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

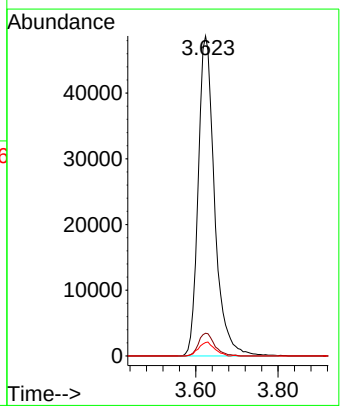


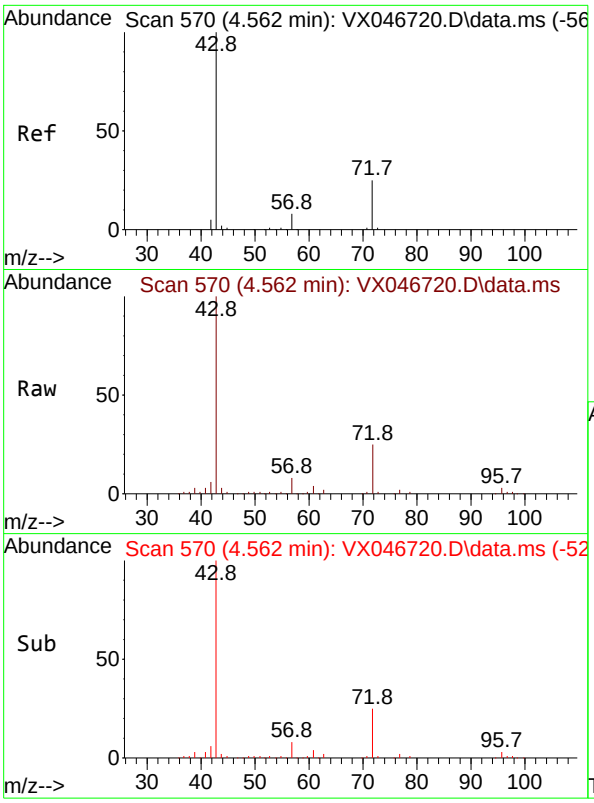




#24
1,1-Dichloroethane
Concen: 49.835 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 63 Resp: 134324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 4.0 | 11.9 |
| 100 | 4.4 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 258.788 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

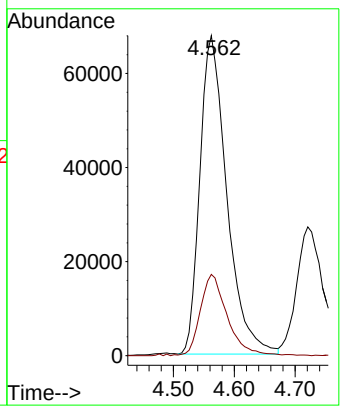
Tgt Ion: 43 Resp: 20834

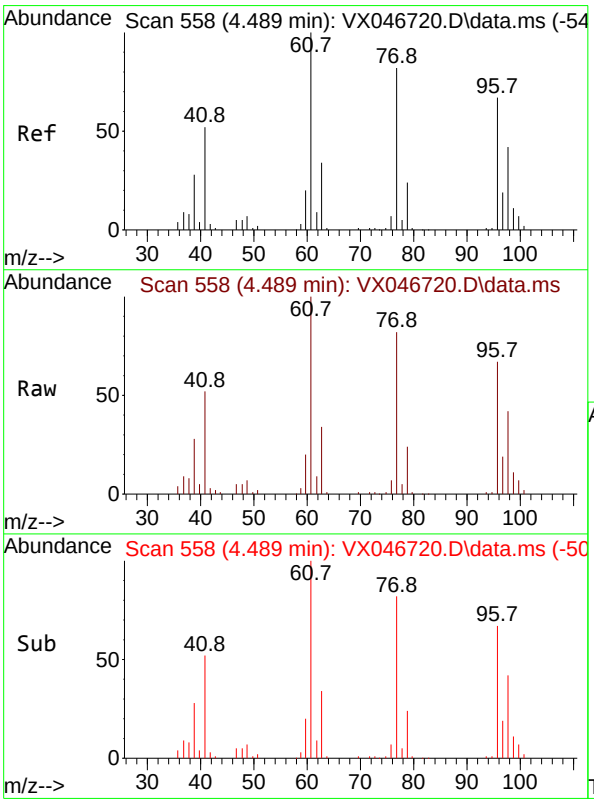
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

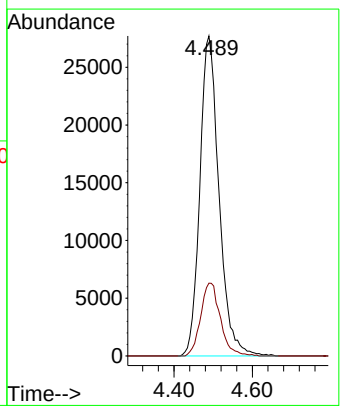


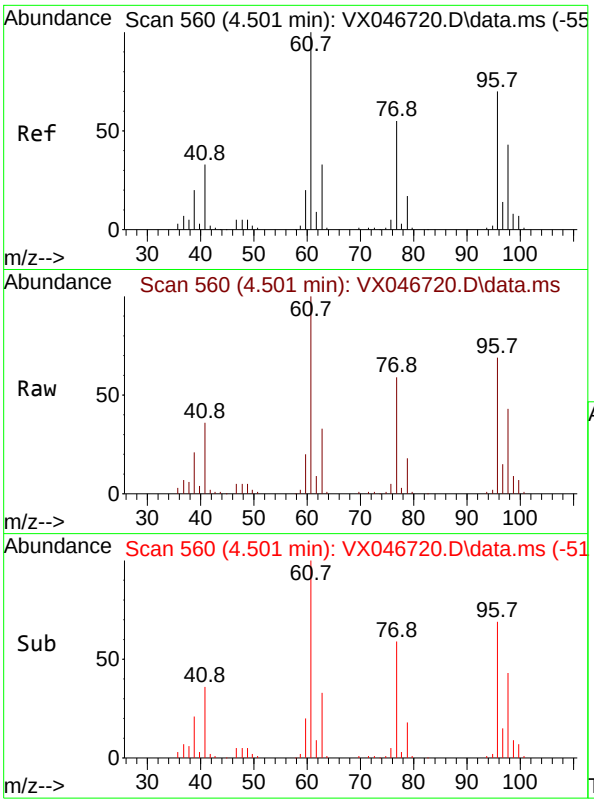




#26
2,2-Dichloropropane
Concen: 47.794 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 77 Resp: 93956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.5 | 11.8 | 35.3 |

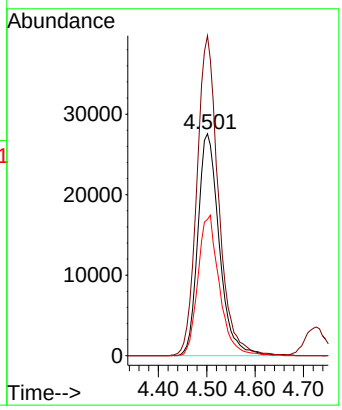





#27
cis-1,2-Dichloroethene
Concen: 49.392 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 96 Resp: 8463

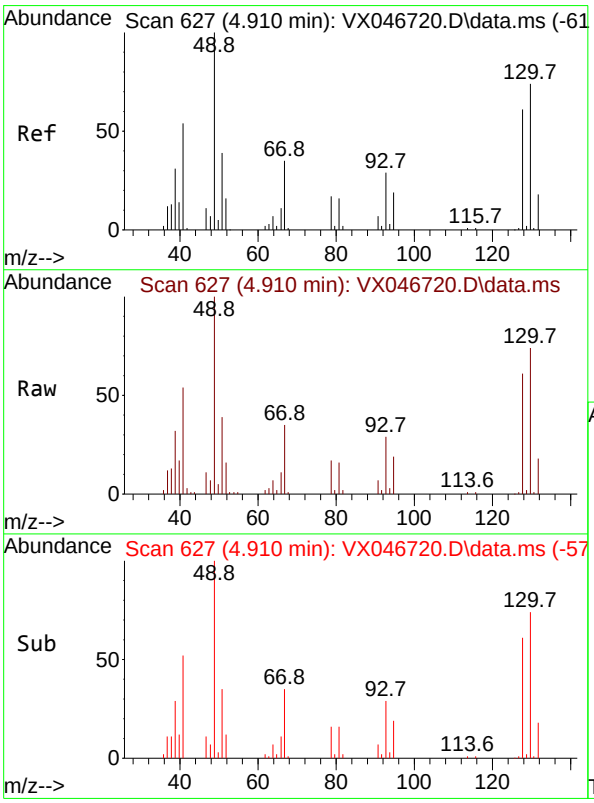
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 291.0 |
| 98 | 63.4 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

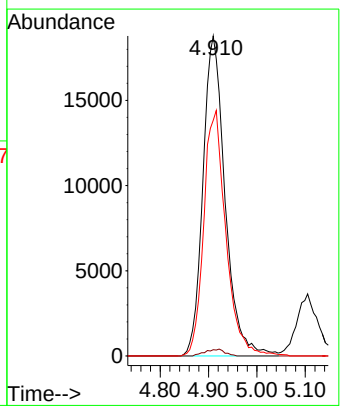
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

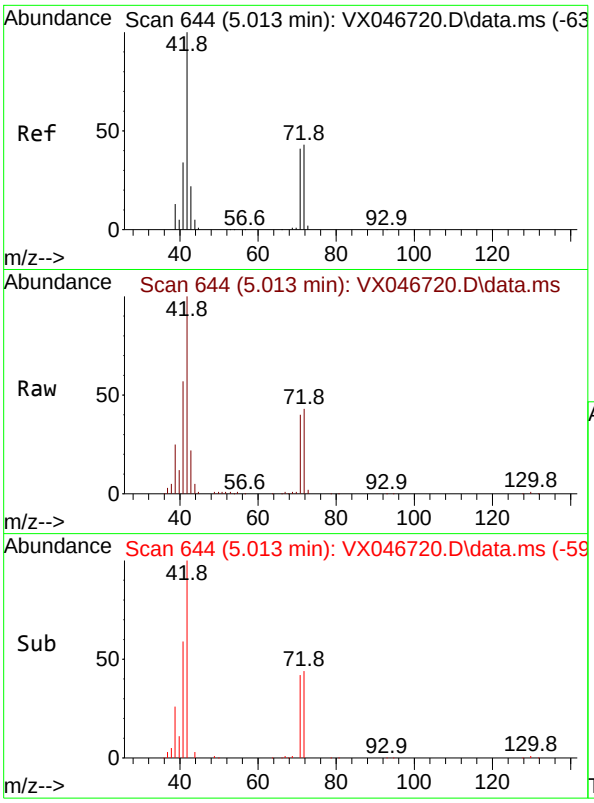



#28
Bromochloromethane
Concen: 48.984 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 49 Resp: 59857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.7 | 61.4 | 92.0 |

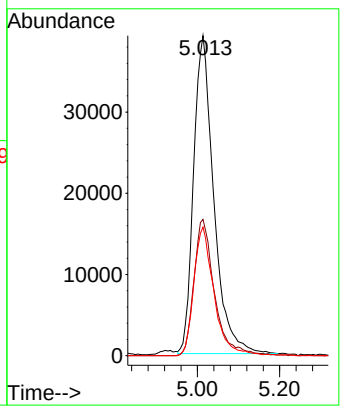





#29
Tetrahydrofuran
Concen: 256.831 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 42 Resp: 13355

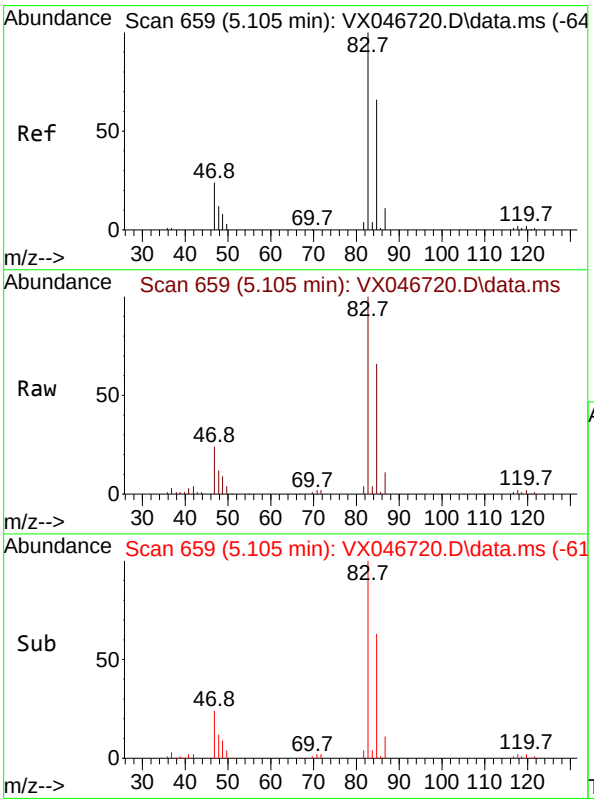
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.6 | 34.9 | 52.3 |
| 71 | 40.2 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

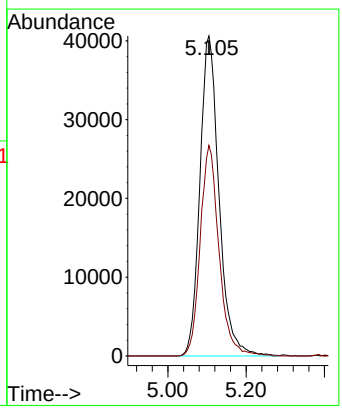
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

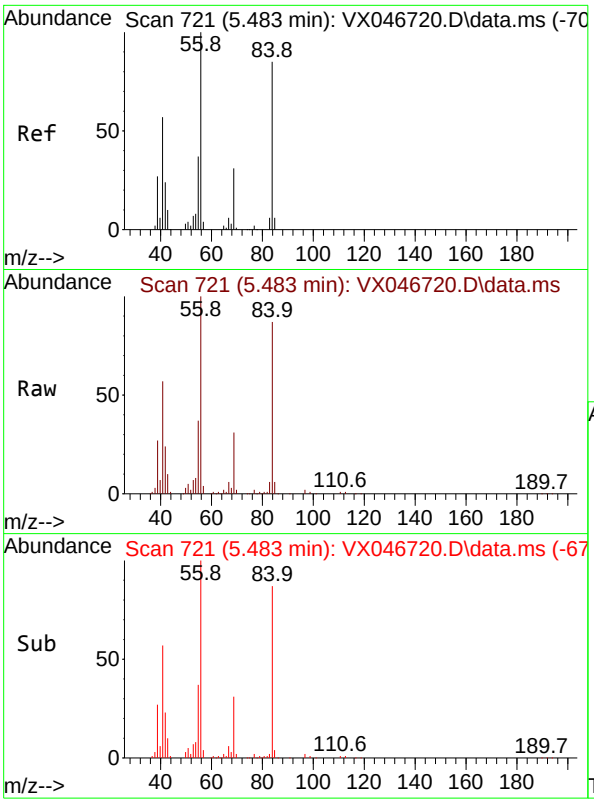



#30
Chloroform
Concen: 50.996 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 83 Resp: 137459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.1 | 53.7 | 80.5 |






#31
Cyclohexane
Concen: 48.909 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

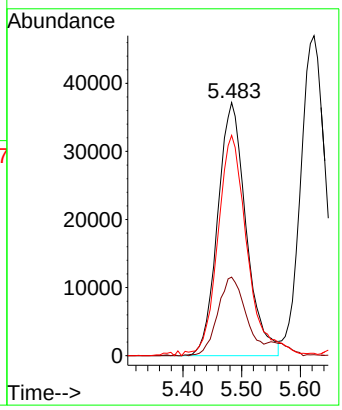
Tgt Ion: 56 Resp: 12501

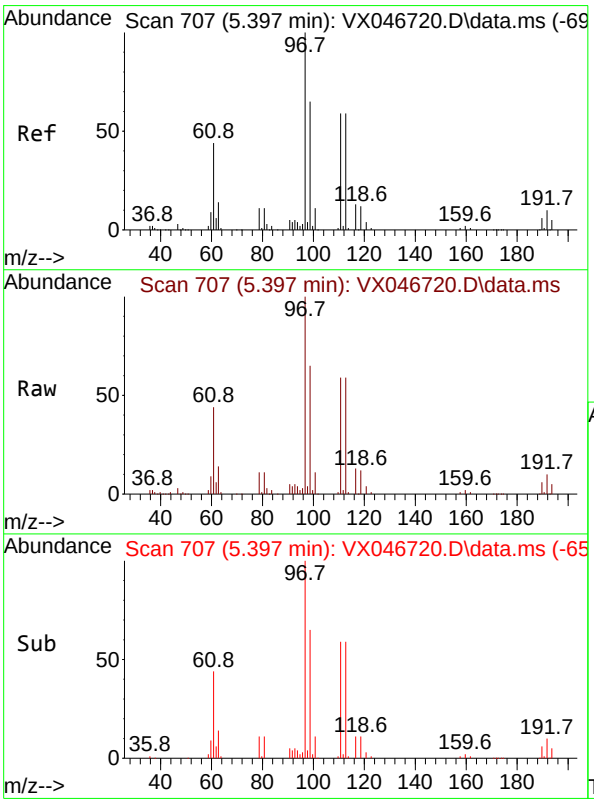
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.8 | 37.2 |
| 84 | 85.2 | 68.2 | 102.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

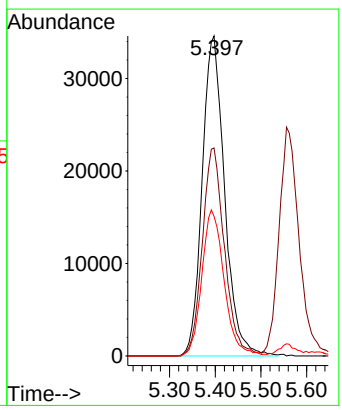


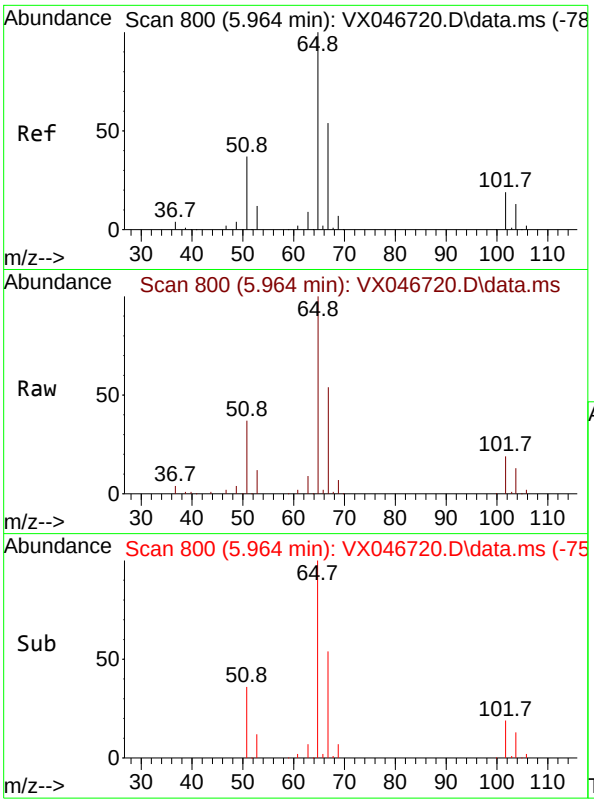




#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 97 Resp: 117954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.3 | 76.9 |
| 61 | 45.5 | 36.4 | 54.6 |

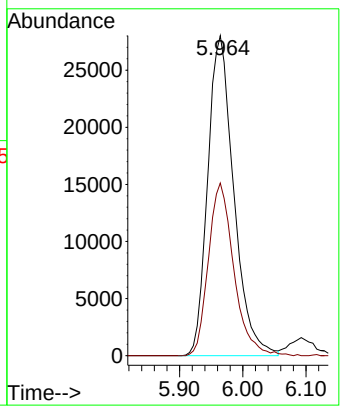





#33
1,2-Dichloroethane-d4
Concen: 46.944 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 65 Resp: 8013

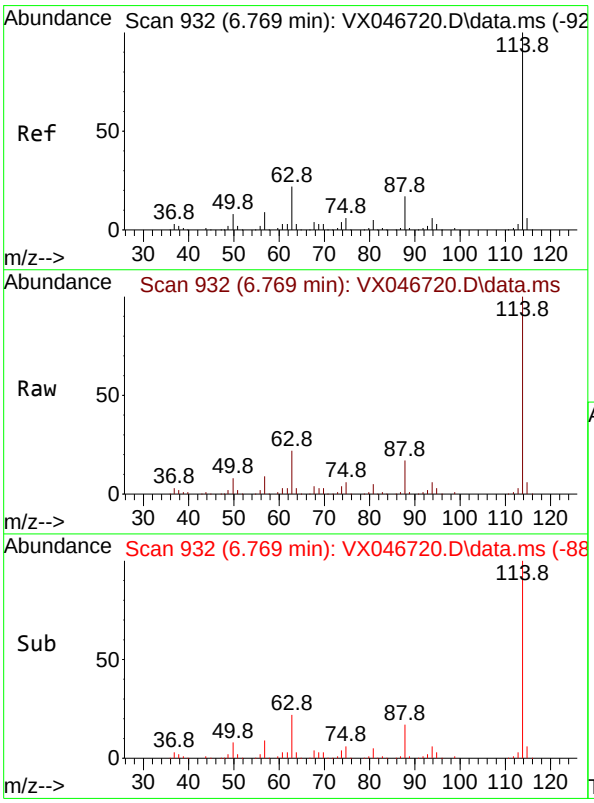
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

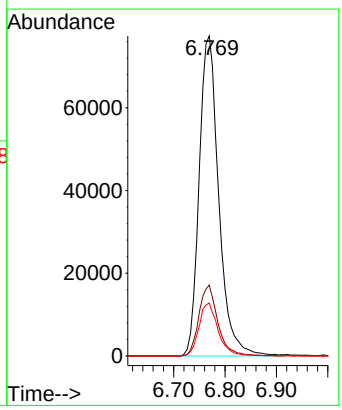
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

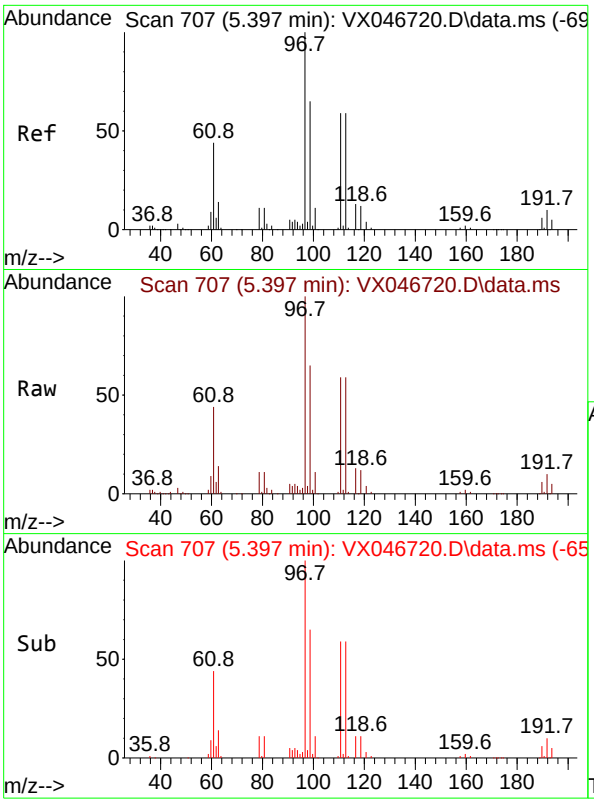



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:114 Resp: 204400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |

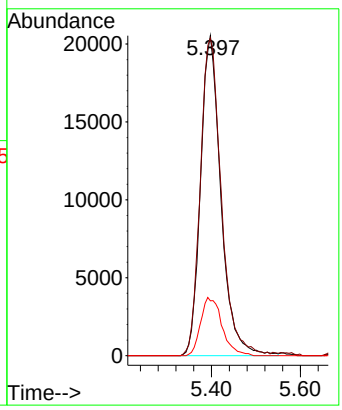





#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:113 Resp: 6544

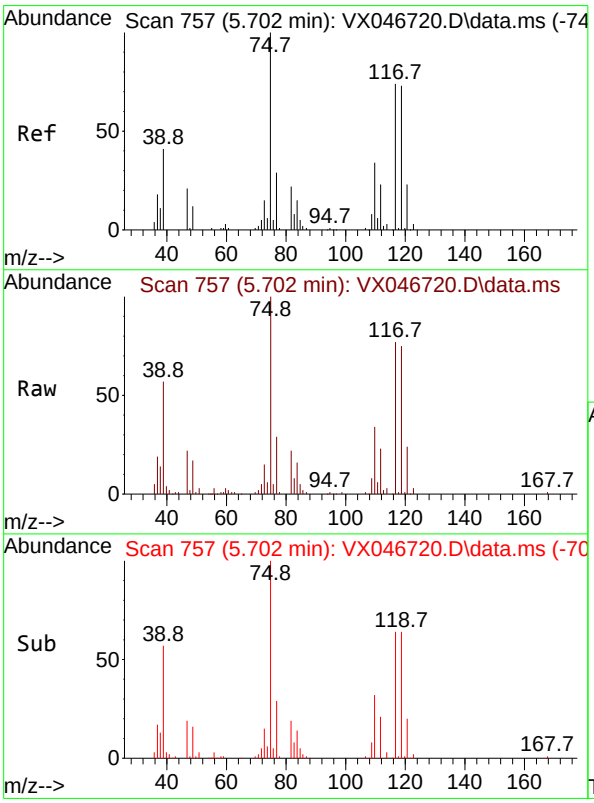
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

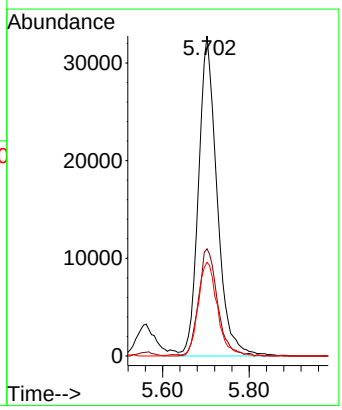
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

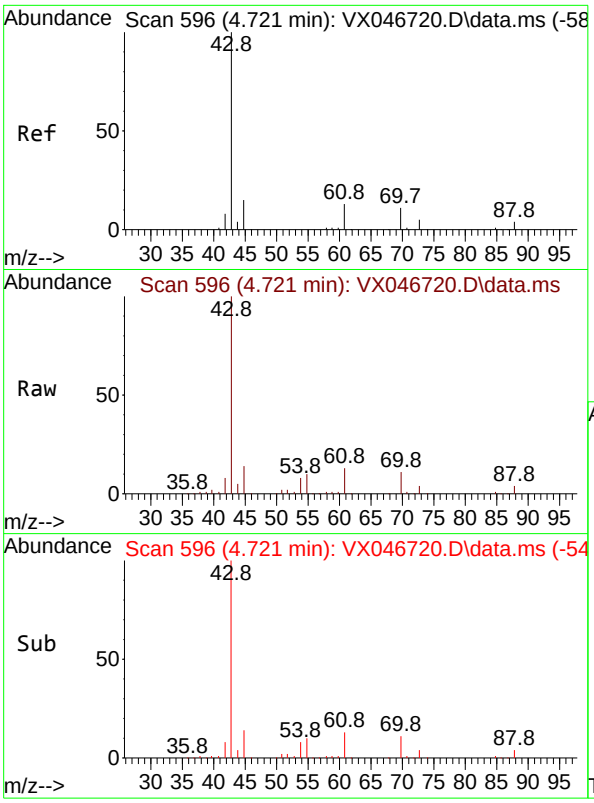



#36
1,1-Dichloropropene
Concen: 49.899 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 97413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 17.2 | 51.5 |
| 77 | 30.3 | 24.2 | 36.4 |

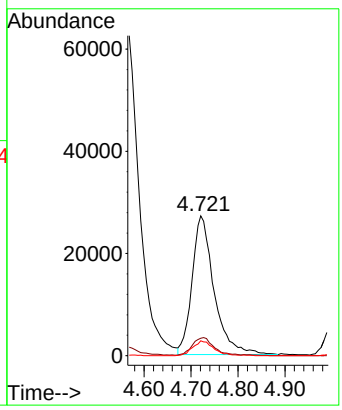





#37
Ethyl Acetate
Concen: 48.877 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 8807

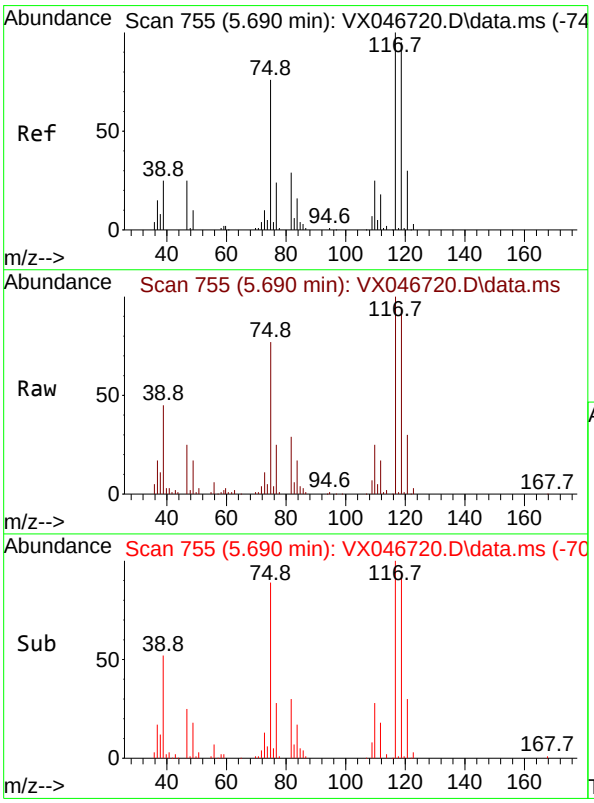
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.7 | 14.5 |
| 70 | 10.1 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

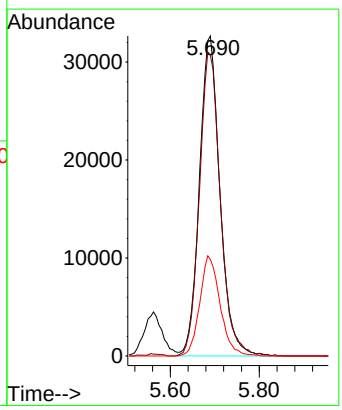
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

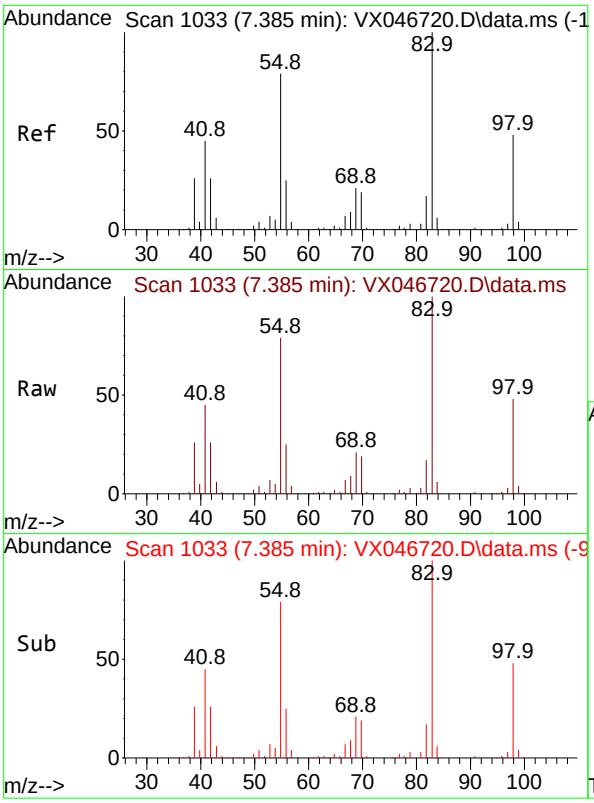



#38
Carbon Tetrachloride
Concen: 49.656 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:117 Resp: 105202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.1 | 24.1 | 36.1 |

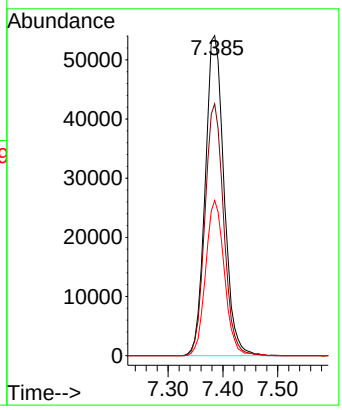





#39
Methylcyclohexane
Concen: 50.041 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 83 Resp: 12855

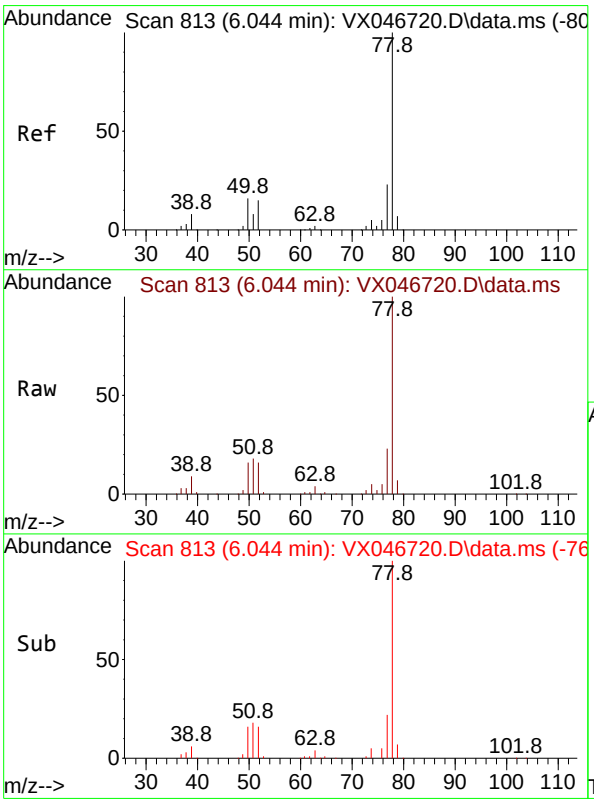
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.7 | 63.0 | 94.4 |
| 98 | 48.5 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

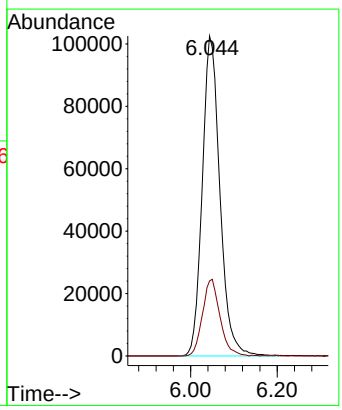
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

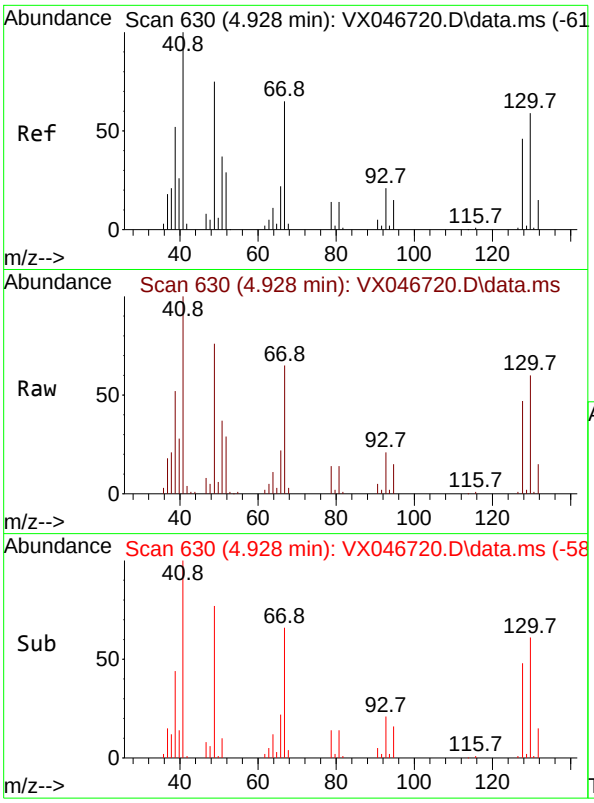



#40
Benzene
Concen: 50.146 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 78 Resp: 289724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

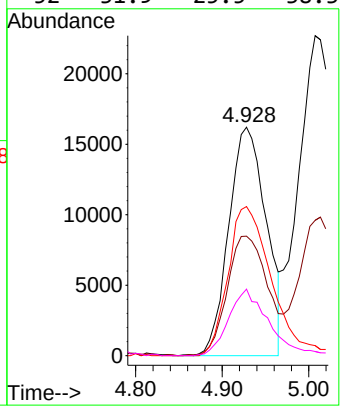





#41
Methacrylonitrile
Concen: 50.762 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 41 Resp: 4876

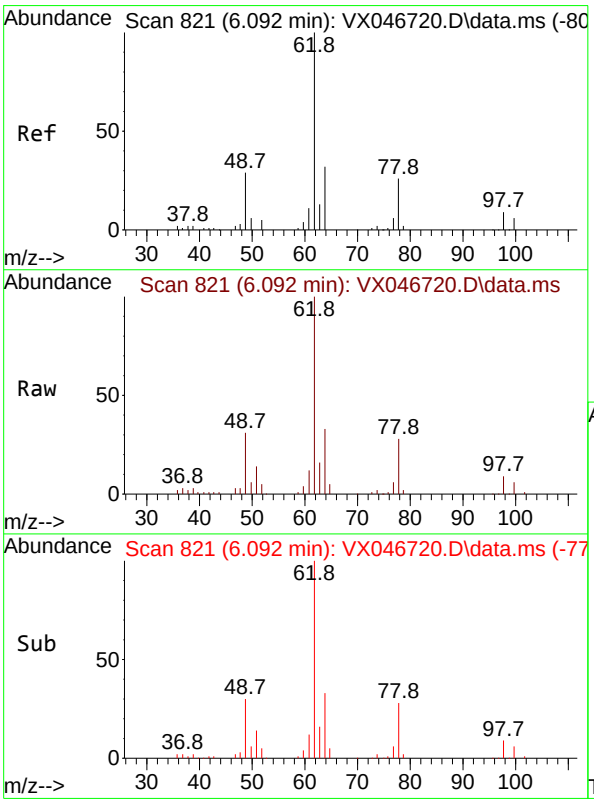
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 45.9 | 68.9 |
| 67 | 76.5 | 61.2 | 91.8 |
| 52 | 31.9 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

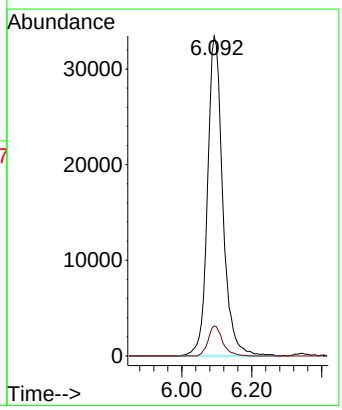
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

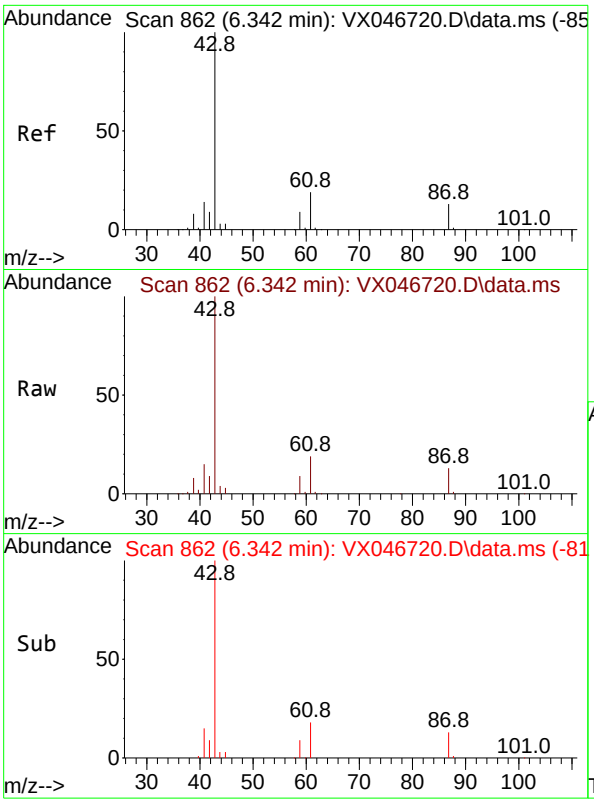



#42
1,2-Dichloroethane
Concen: 49.855 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 62 Resp: 101218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.8 |

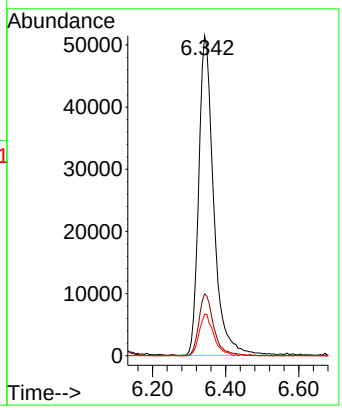





#43
Isopropyl Acetate
Concen: 51.911 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 14637

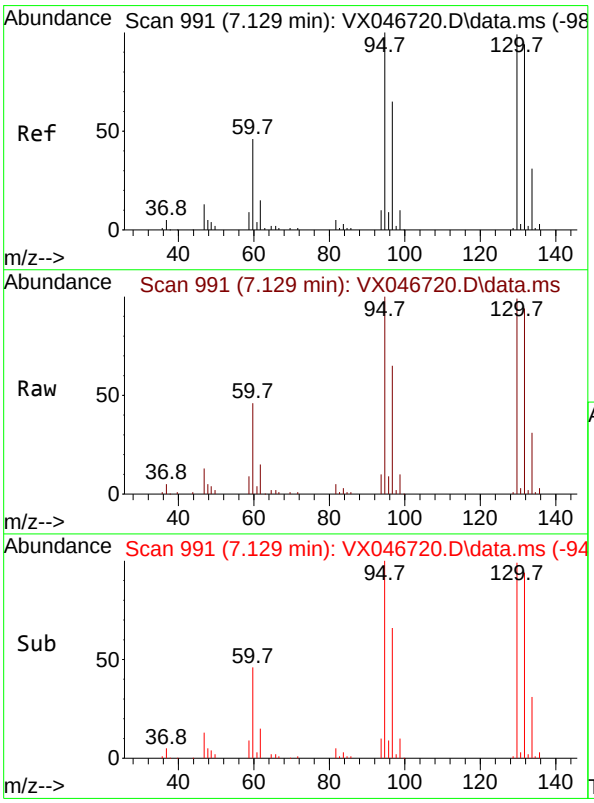
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

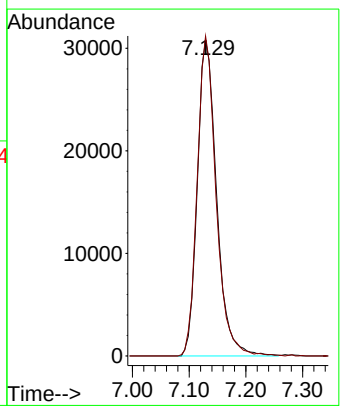
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

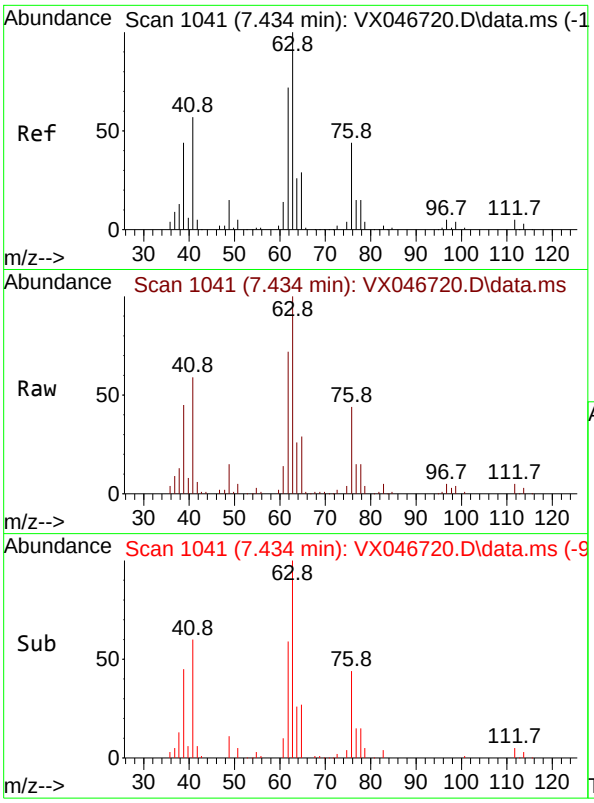



#44
Trichloroethene
Concen: 49.441 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:130 Resp: 72796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.3 | 0.0 | 202.6 |

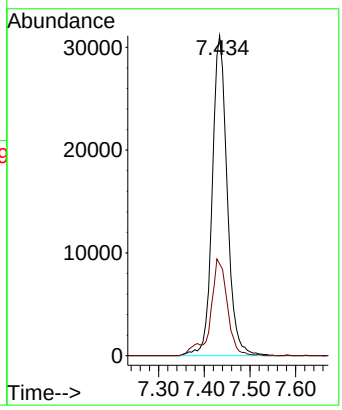





#45
1,2-Dichloropropane
Concen: 49.378 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 63 Resp: 7070

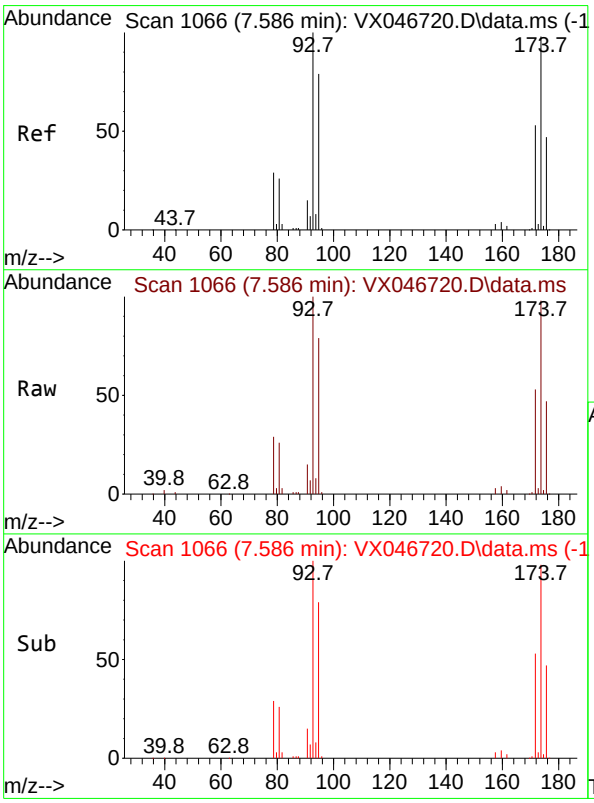
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.6 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

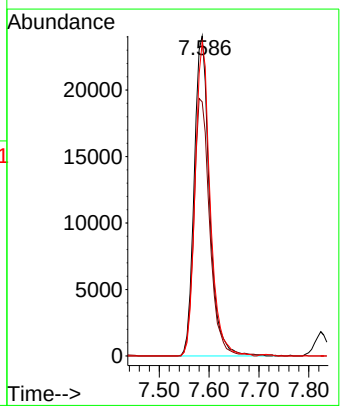
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

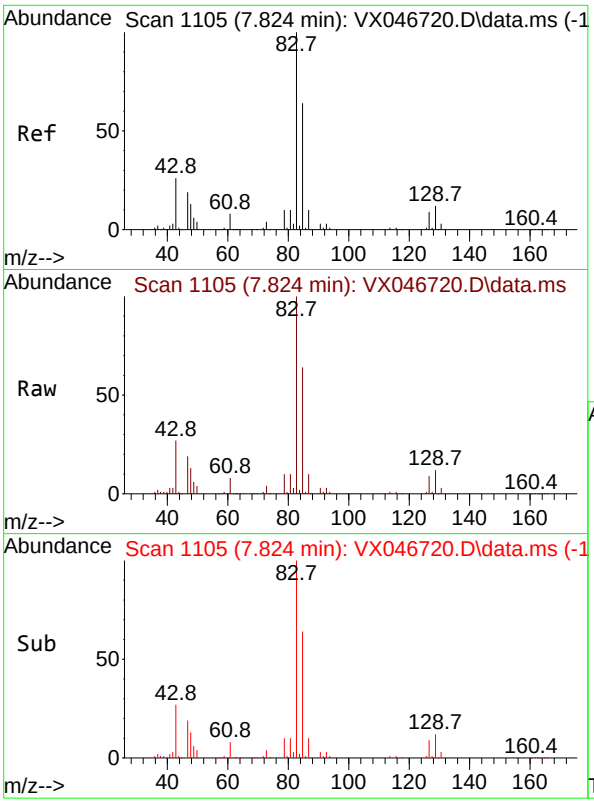



#46
Dibromomethane
Concen: 49.840 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 93 Resp: 51288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 66.2 | 99.4 |
| 174 | 96.3 | 77.0 | 115.6 |

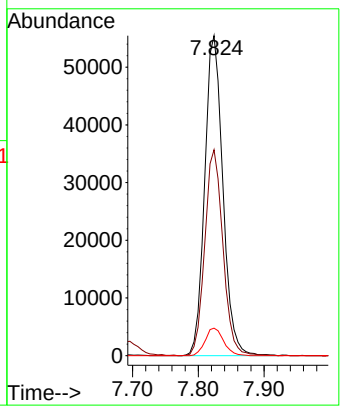





#47
Bromodichloromethane
Concen: 50.787 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 83 Resp: 10665

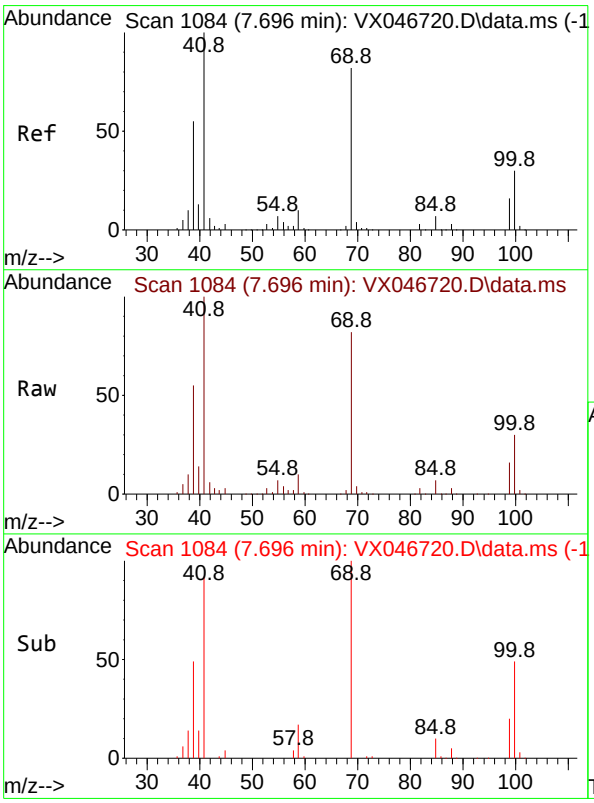
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.2 |
| 127 | 8.6 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

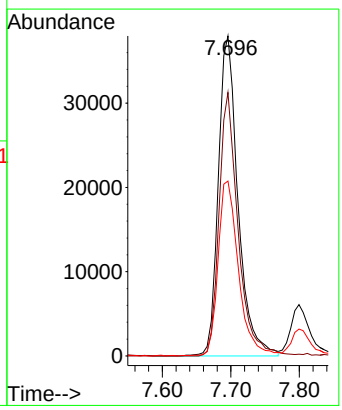
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

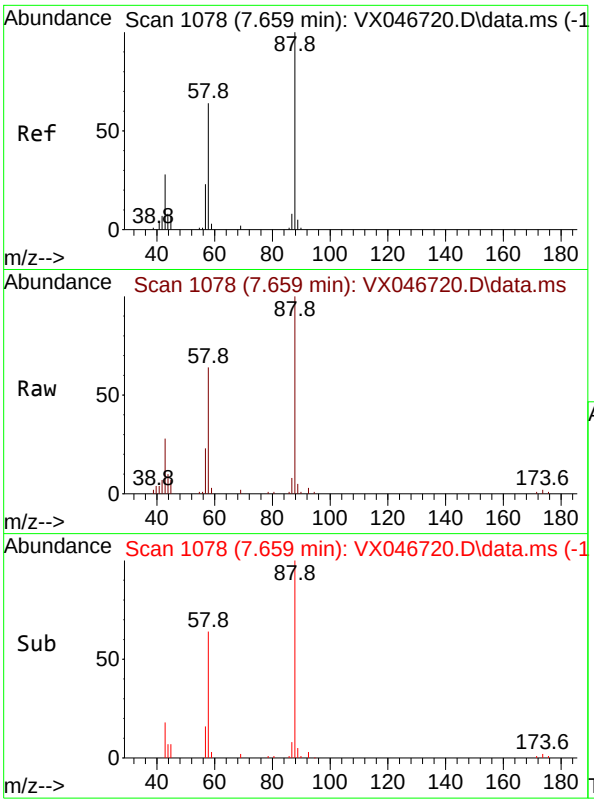



#48
Methyl methacrylate
Concen: 53.535 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 41 Resp: 75708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.3 | 63.4 | 95.2 |
| 39 | 56.7 | 45.4 | 68.0 |

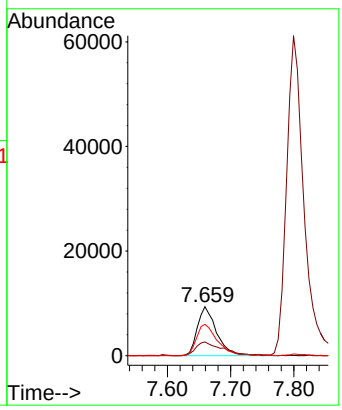





#49
1,4-Dioxane
Concen: 962.534 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 88 Resp: 1980

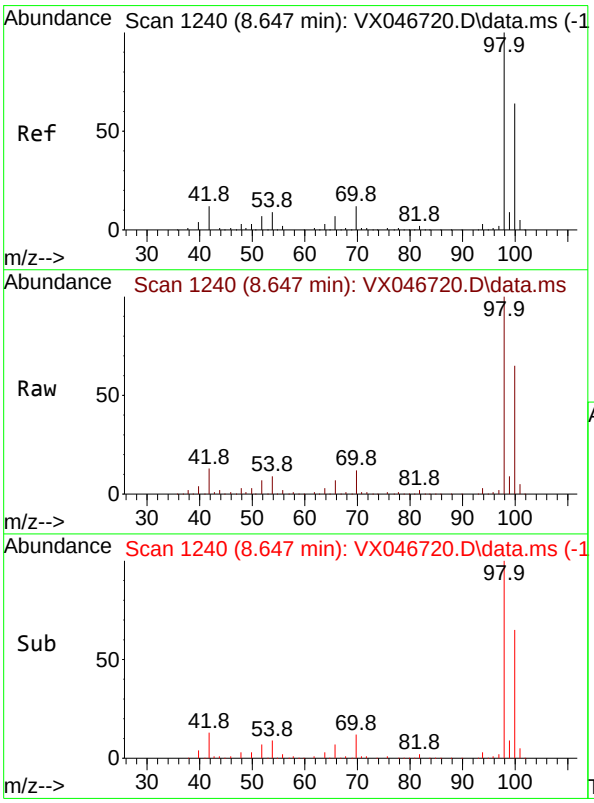
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.0 | 31.2 | 46.8 |
| 58 | 68.4 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

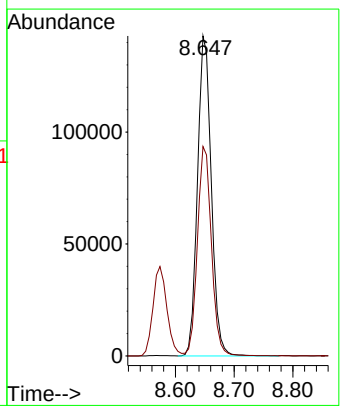
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

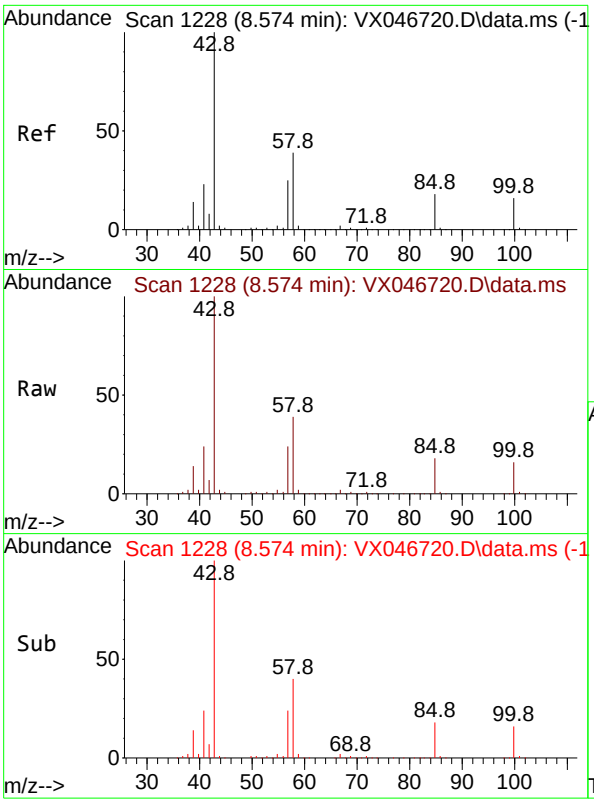



#50
Toluene-d8
Concen: 48.124 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 98 Resp: 233825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |

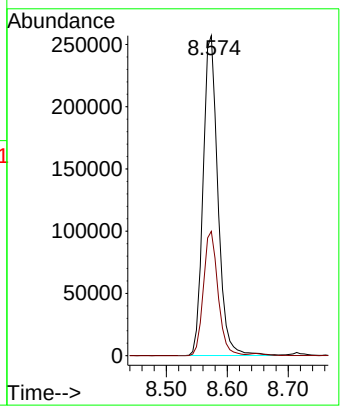





#51
4-Methyl-2-Pentanone
Concen: 258.656 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 43500

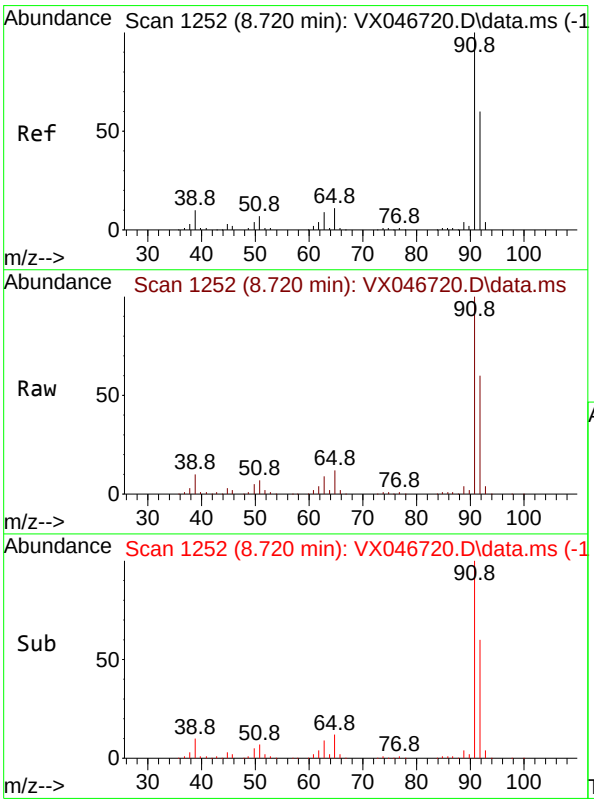
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

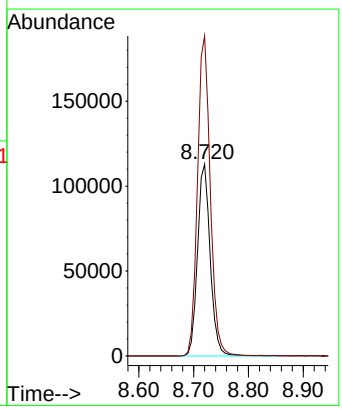
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

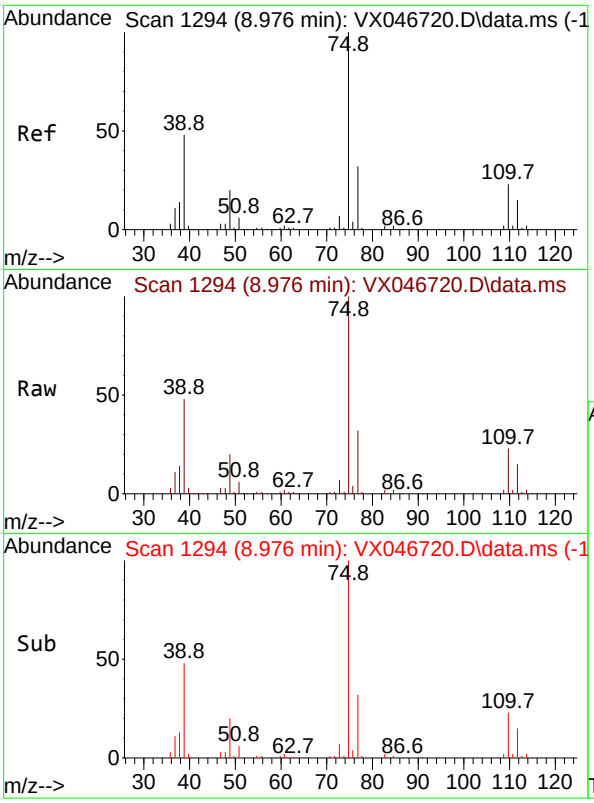



#52
Toluene
Concen: 50.650 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 92 Resp: 181414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 134.8 | 202.2 |

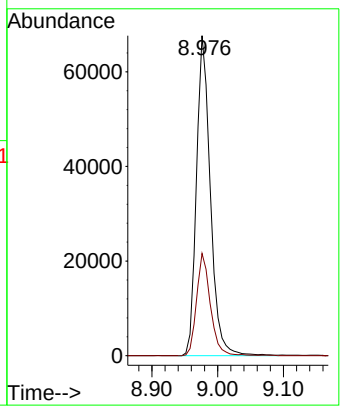





#53
t-1,3-Dichloropropene
Concen: 51.183 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 9972

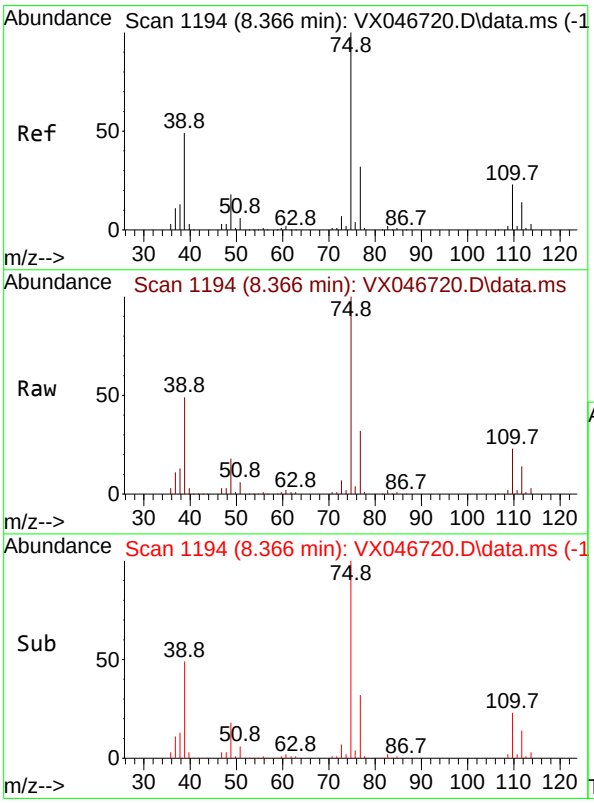
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

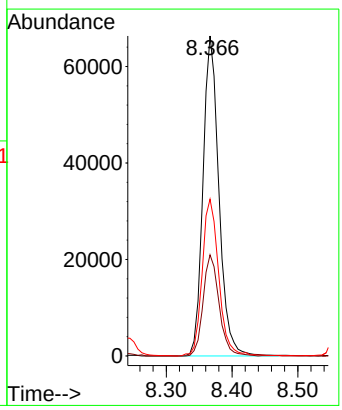
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

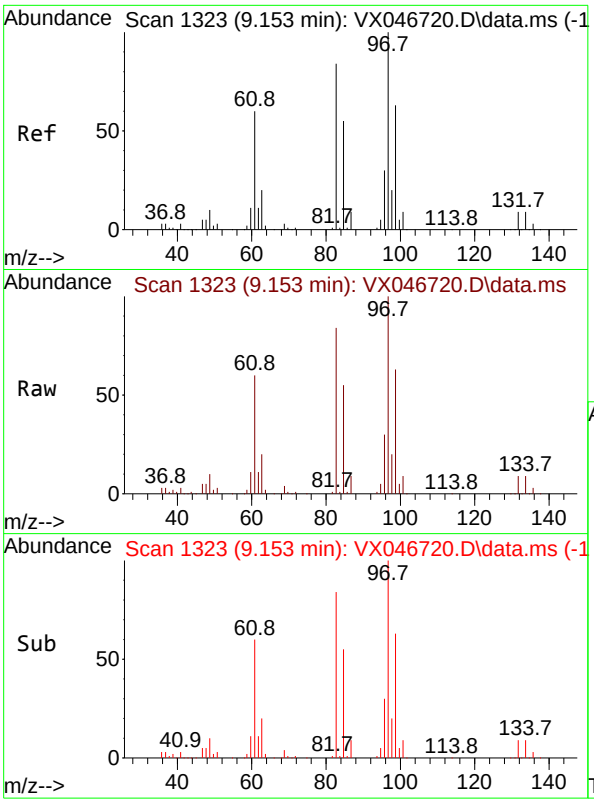



#54
cis-1,3-Dichloropropene
Concen: 50.598 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 111917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |
| 39 | 49.0 | 39.2 | 58.8 |

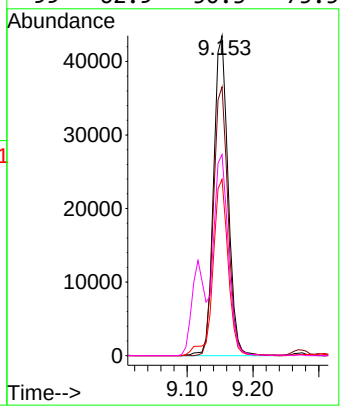





#55
1,1,2-Trichloroethane
Concen: 49.963 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 97 Resp: 6668

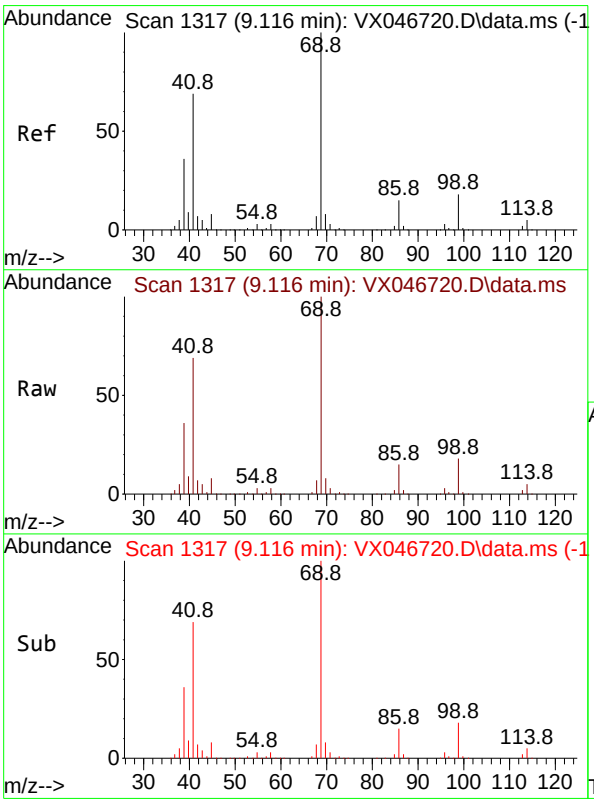
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.0 | 67.2 | 100.8 |
| 85 | 55.1 | 44.1 | 66.1 |
| 99 | 62.9 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

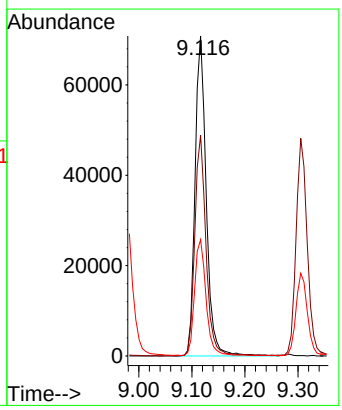
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

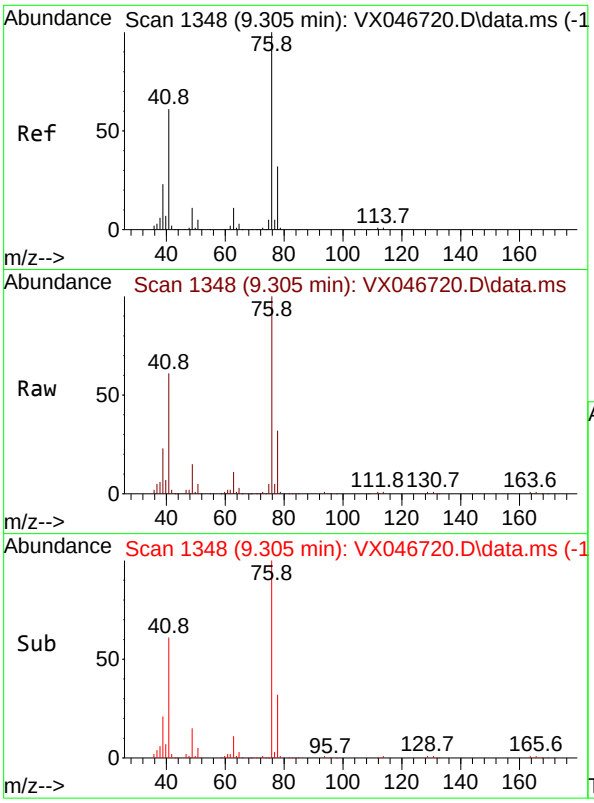



#56
Ethyl methacrylate
Concen: 52.629 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 69 Resp: 103697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |

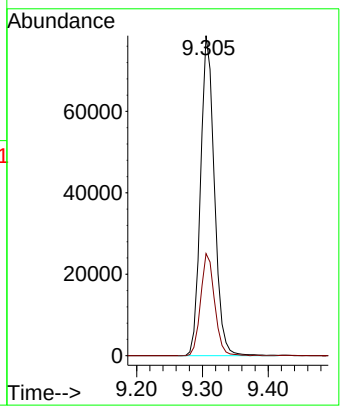





#57
1,3-Dichloropropane
Concen: 49.955 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 76 Resp: 11482

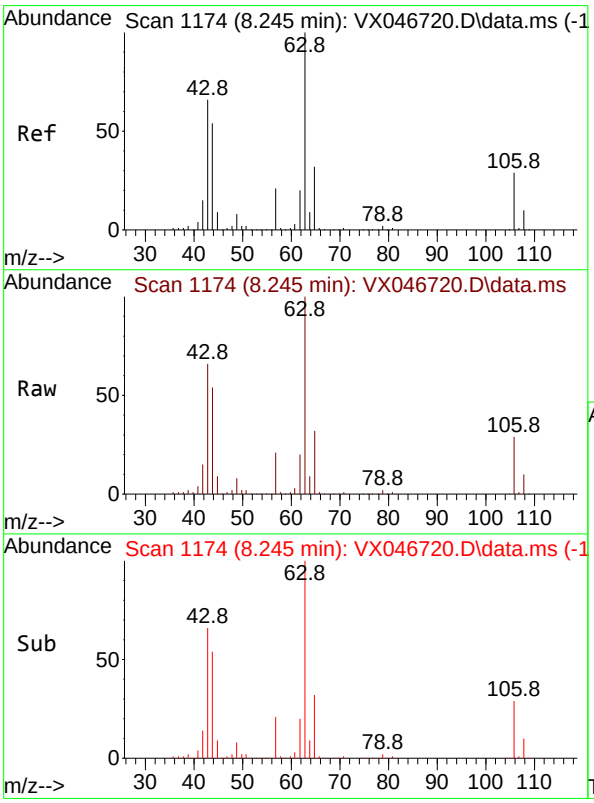
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

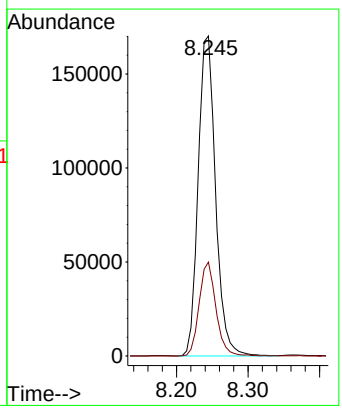
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

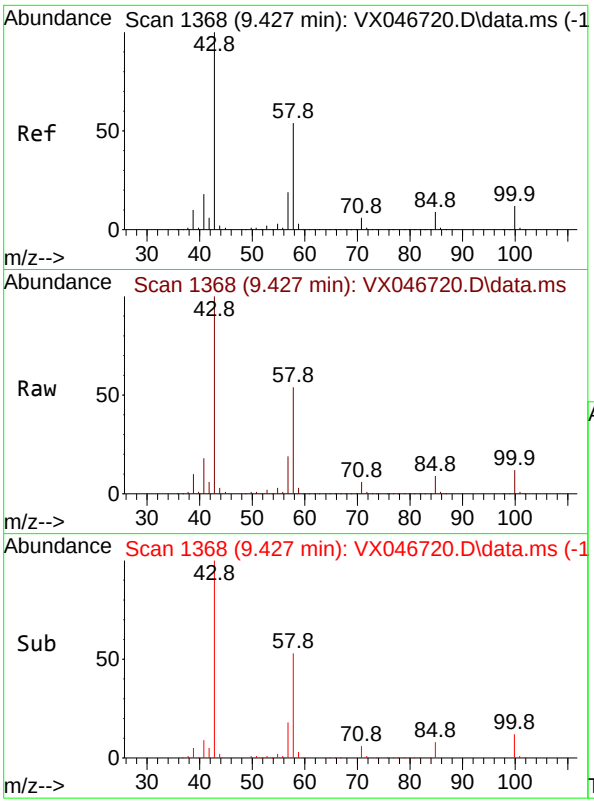



#58
2-Chloroethyl Vinyl ether
Concen: 280.927 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 63 Resp: 287531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.6 | 34.0 |

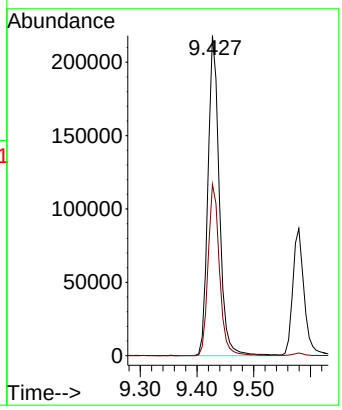





#59
2-Hexanone
Concen: 260.883 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 30332

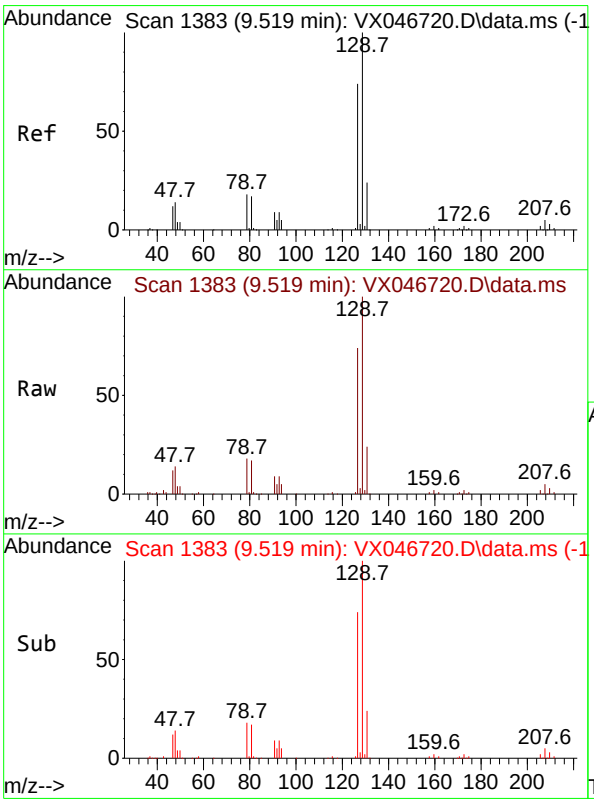
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

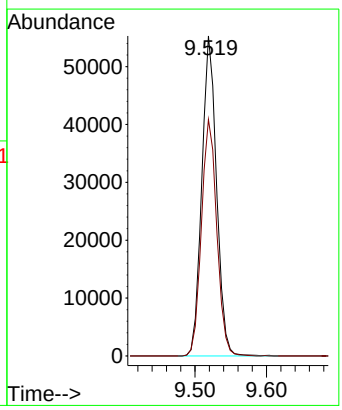
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

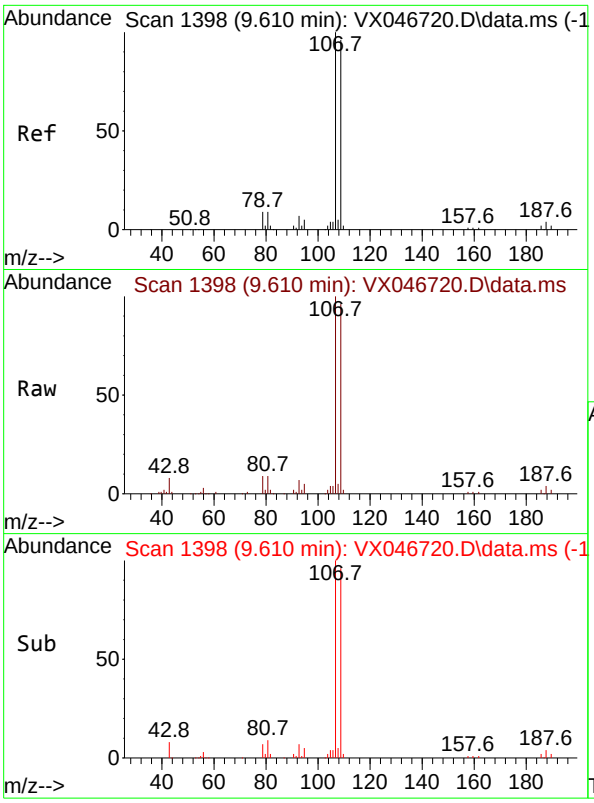



#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:129 Resp: 79227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 50.464 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

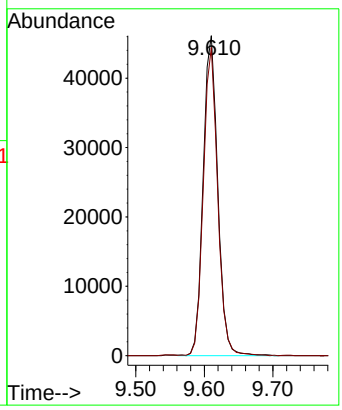
Tgt Ion:107 Resp: 6851

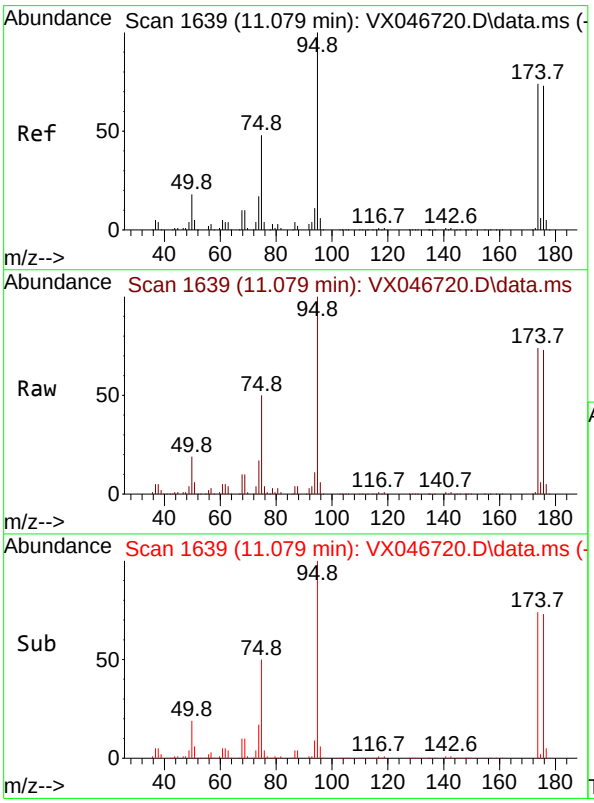
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 75.8 | 113.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

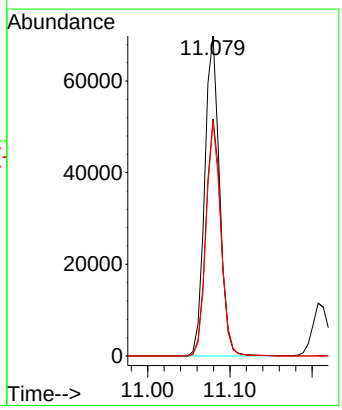


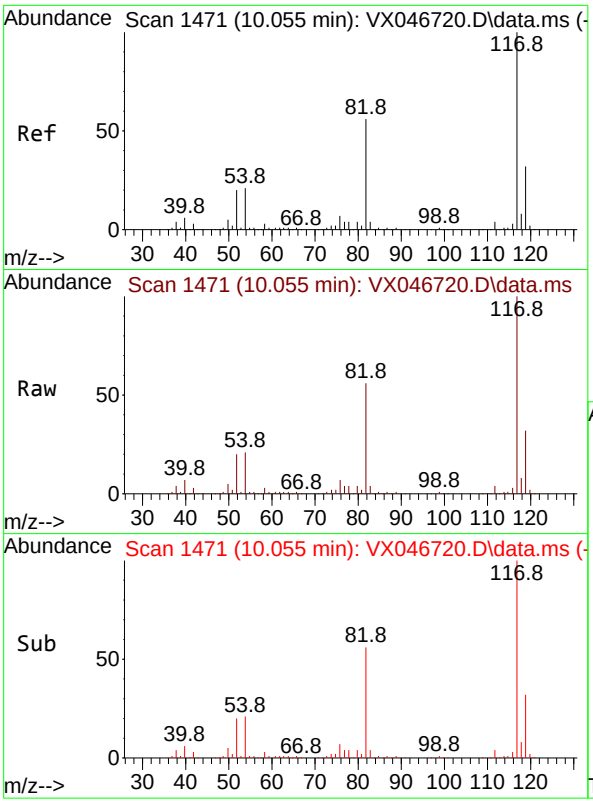




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 95 Resp: 87131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 150.4 |
| 176 | 72.5 | 0.0 | 145.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

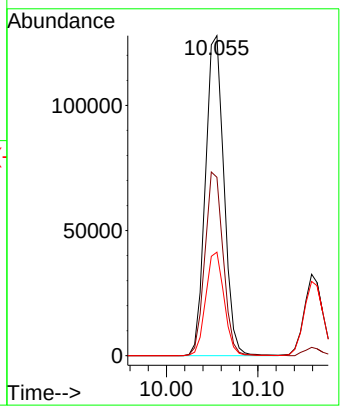
Tgt Ion:117 Resp: 17940

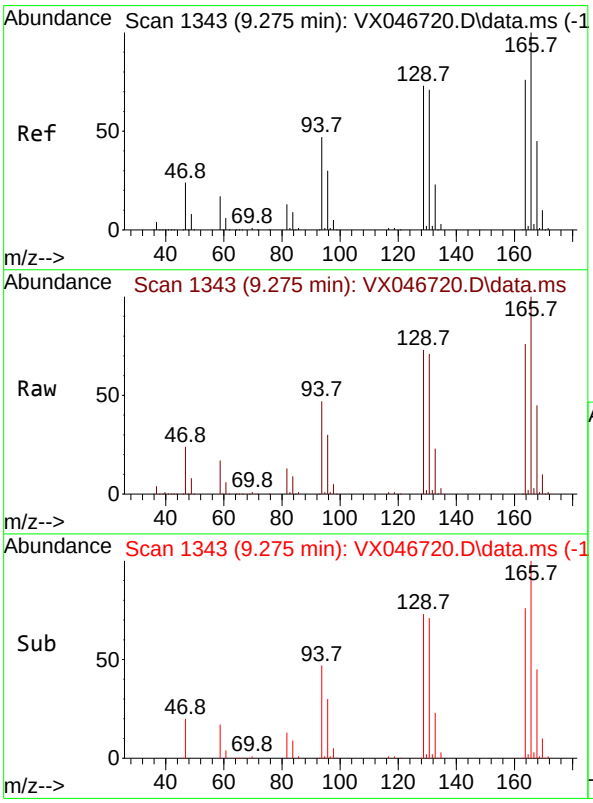
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 32.3 | 25.8 | 38.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

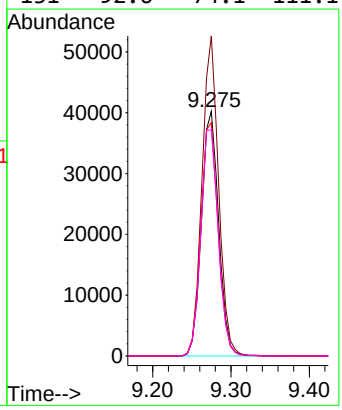


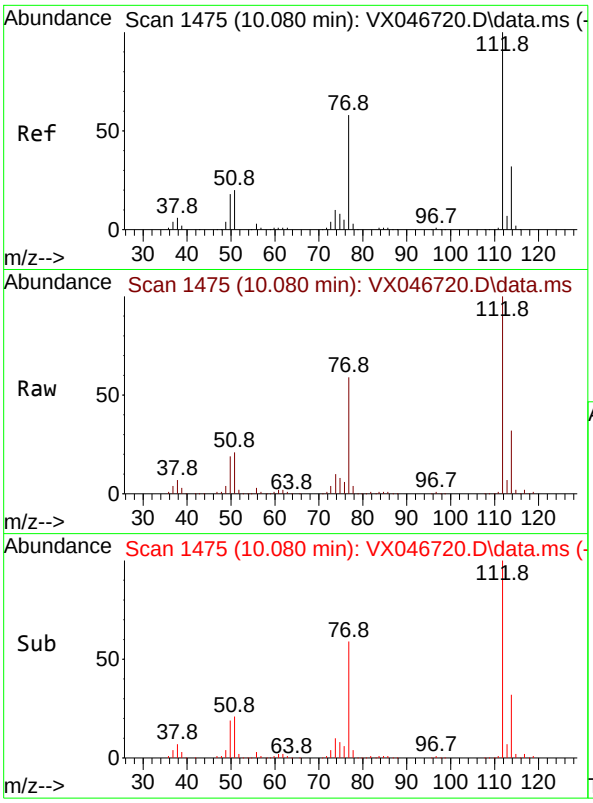




#64
Tetrachloroethene
Concen: 49.115 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:164 Resp: 61048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.8 | 104.6 | 157.0 |
| 129 | 95.4 | 76.3 | 114.5 |
| 131 | 92.6 | 74.1 | 111.1 |

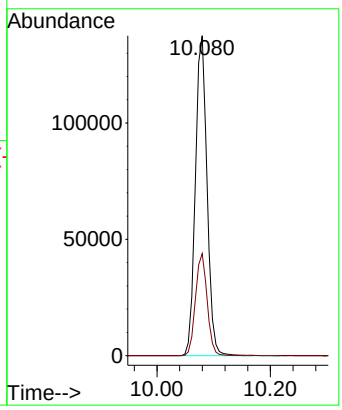





#65
Chlorobenzene
Concen: 49.429 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:112 Resp: 19575

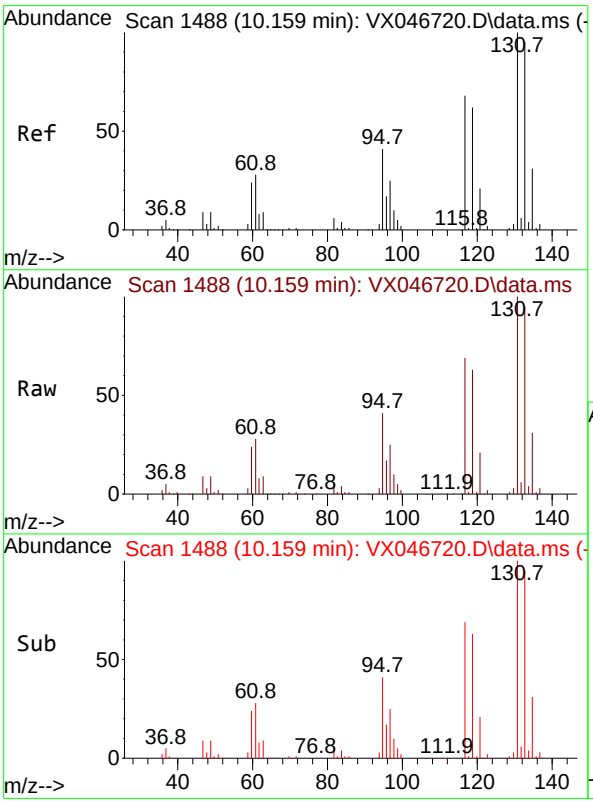
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

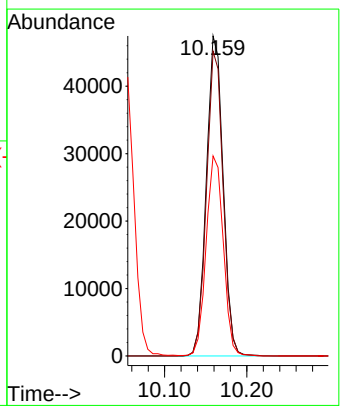
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

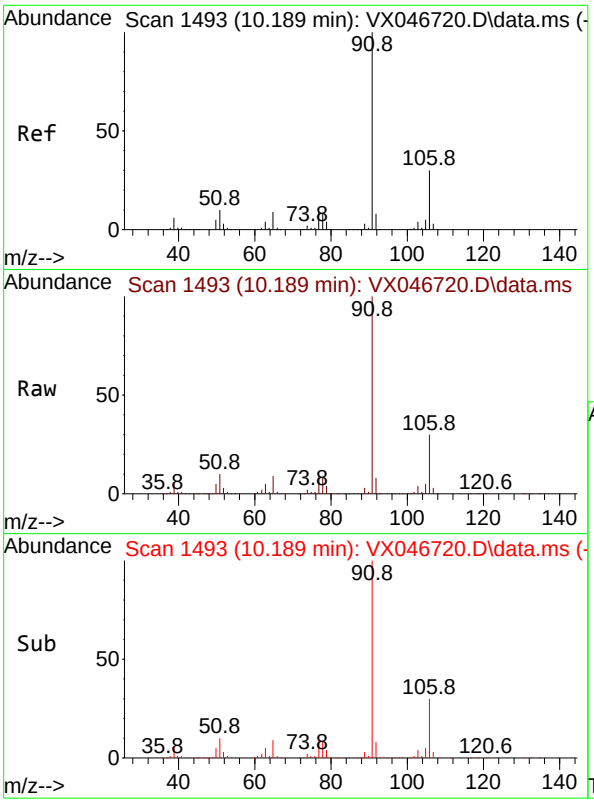



#66
1,1,1,2-Tetrachloroethane
Concen: 50.341 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:131 Resp: 67004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 64.2 | 32.1 | 96.3 |

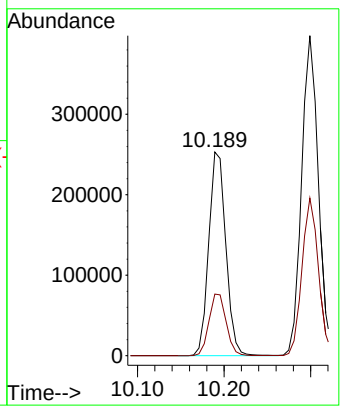





#67
Ethyl Benzene
Concen: 50.119 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 34681

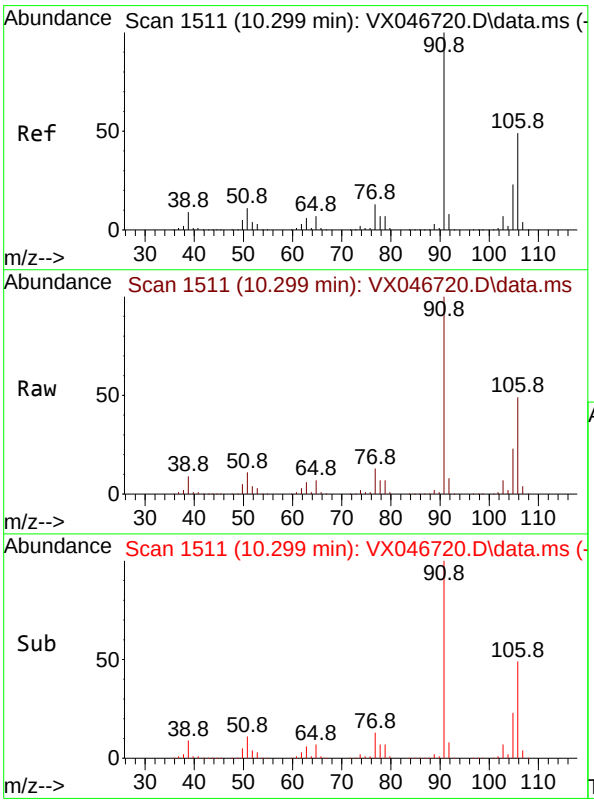
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

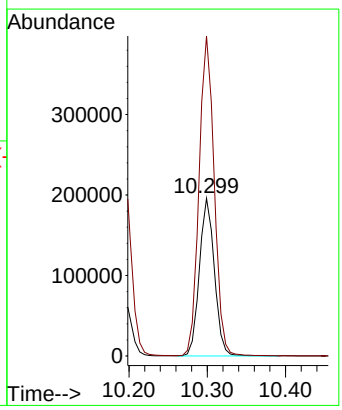
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

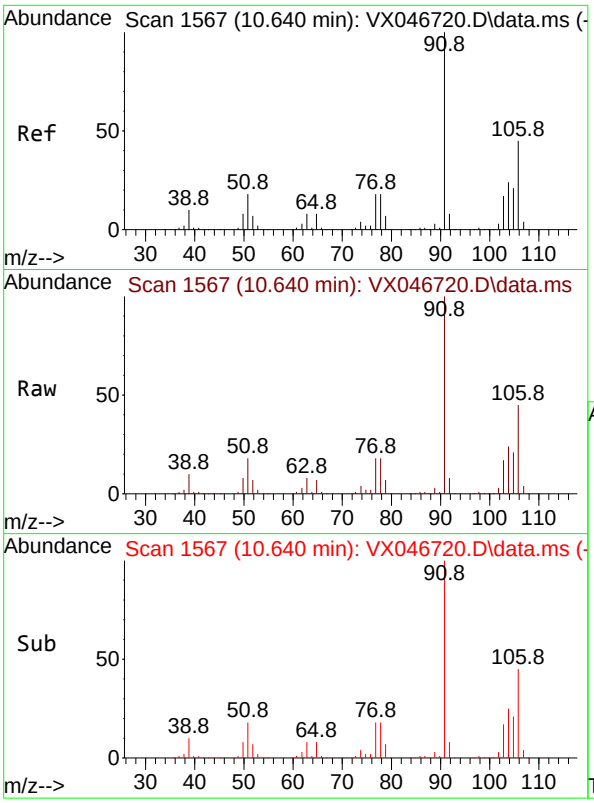



#68
m/p-Xylenes
Concen: 100.800 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:106 Resp: 259899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.0 | 164.8 | 247.2 |

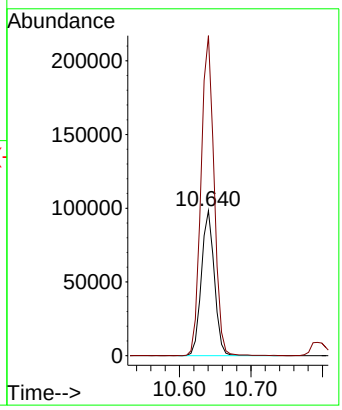





#69
o-Xylene
Concen: 51.366 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:106 Resp: 12412

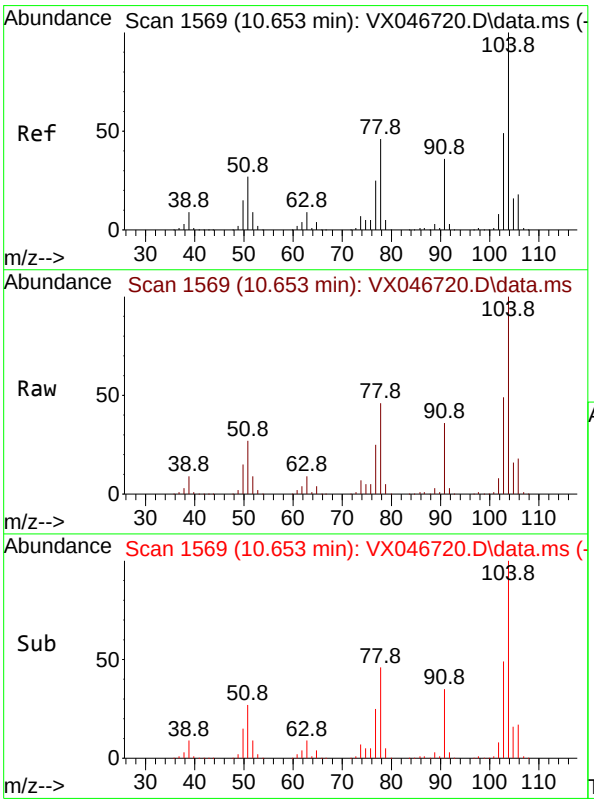
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.6 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

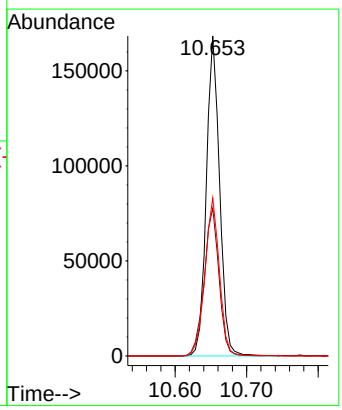
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

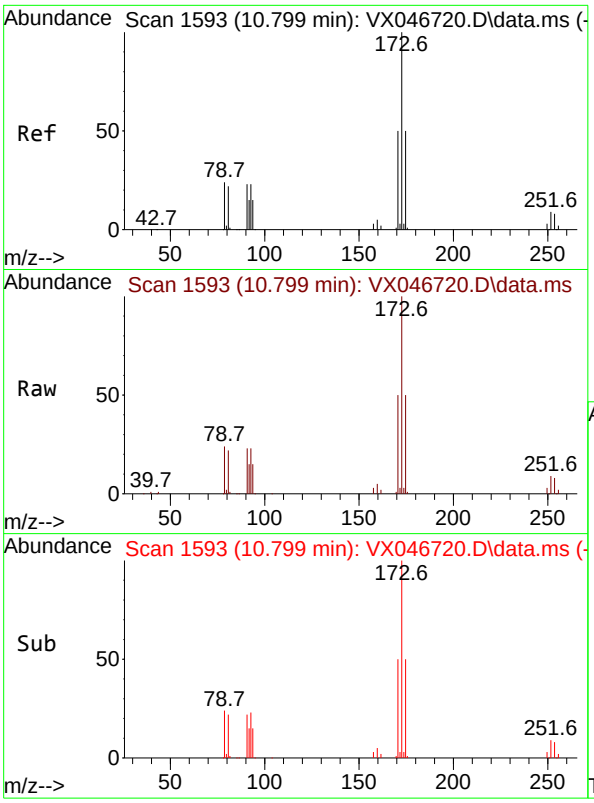



#70
Styrene
Concen: 51.254 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:104 Resp: 216738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.8 | 41.4 | 62.2 |
| 103 | 53.9 | 43.1 | 64.7 |

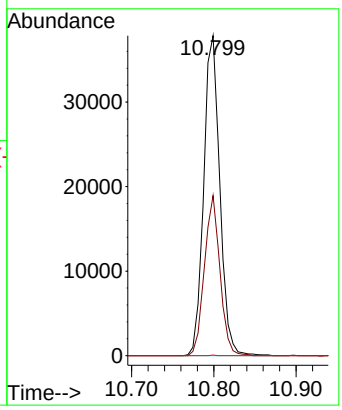





#71
Bromoform
Concen: 50.792 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:173 Resp: 5148

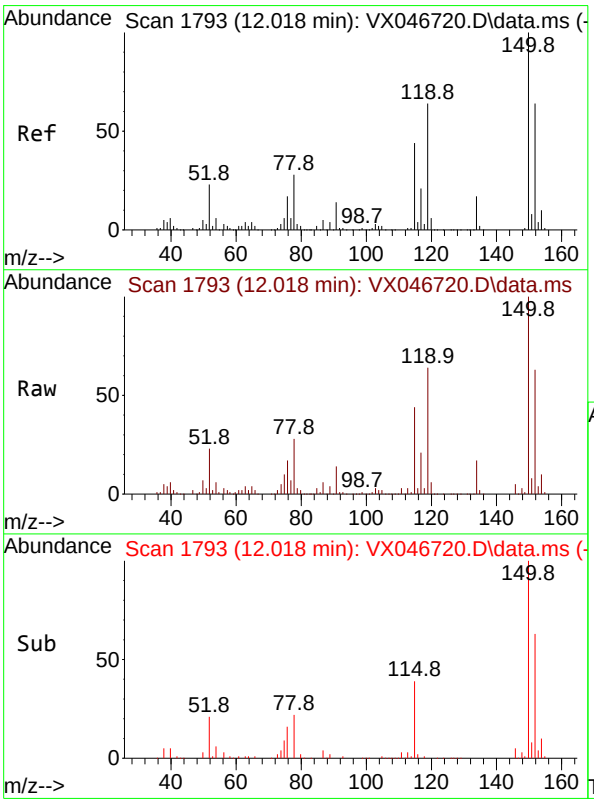
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

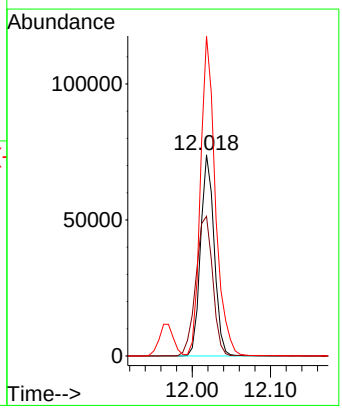
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

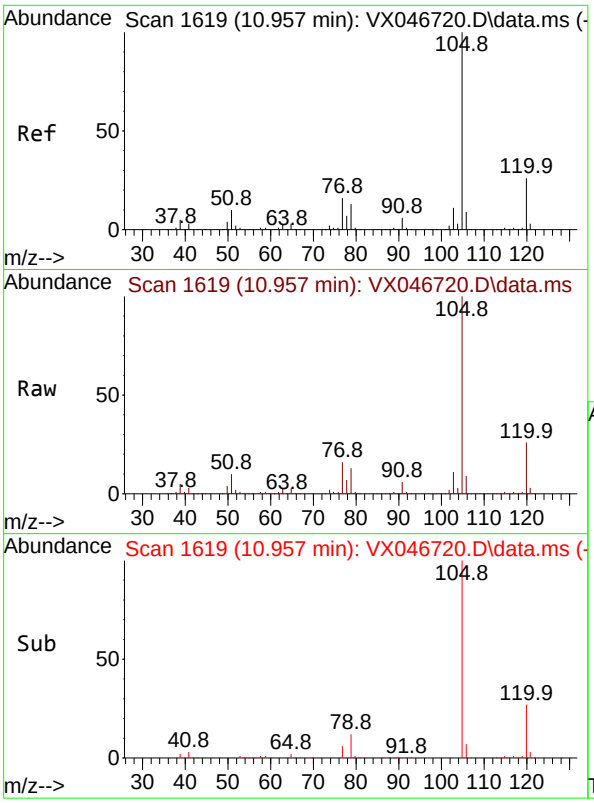



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:152 Resp: 89016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.4 | 43.2 | 129.6 |
| 150 | 173.4 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 50.548 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

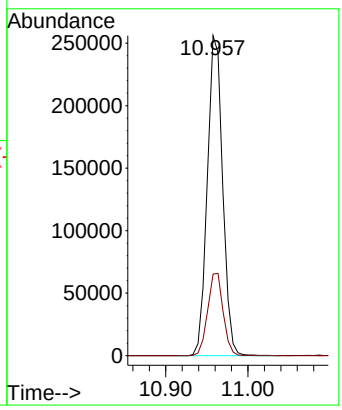
Tgt Ion:105 Resp: 33139

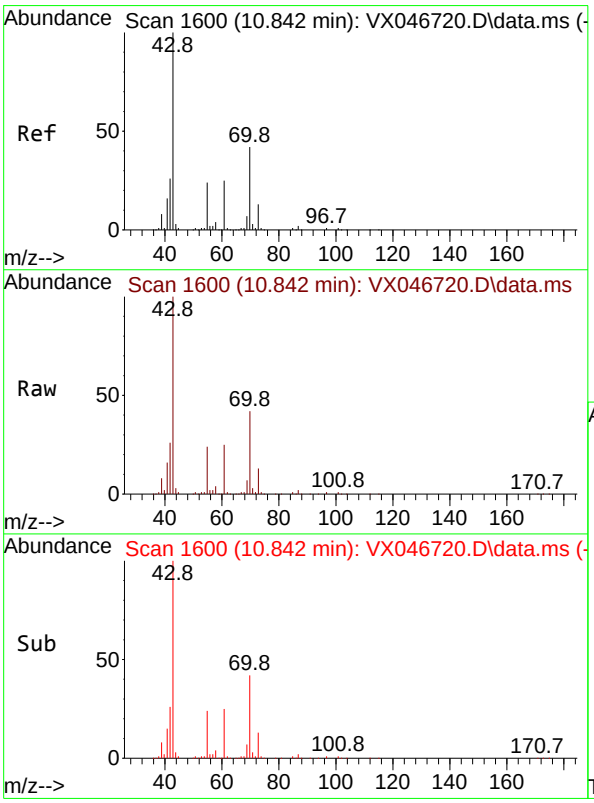
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

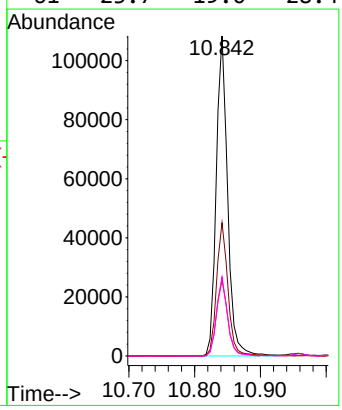


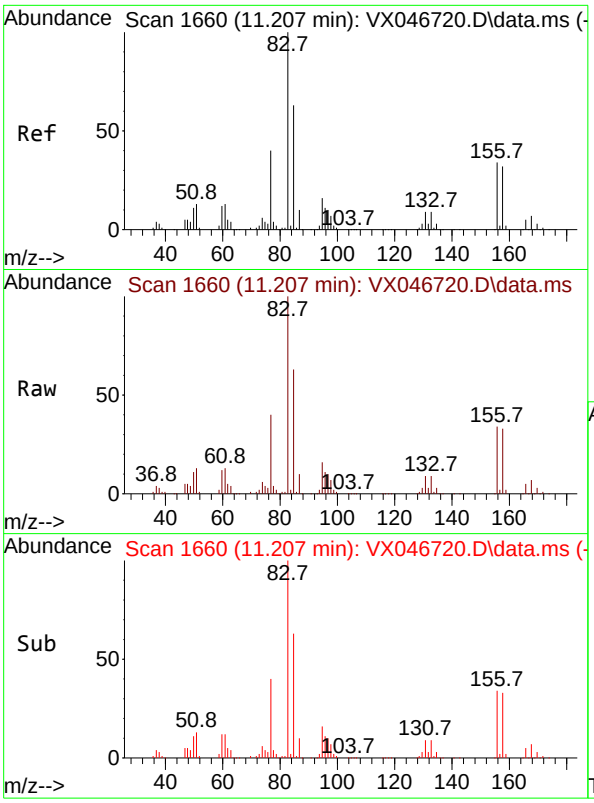




#74
N-amyl acetate
Concen: 52.581 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 130606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.7 | 19.0 | 28.4 |

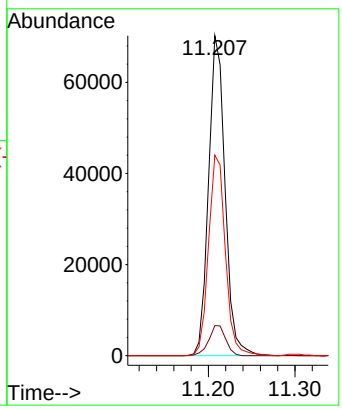





#75
1,1,2,2-Tetrachloroethane
Concen: 50.745 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 83 Resp: 9289

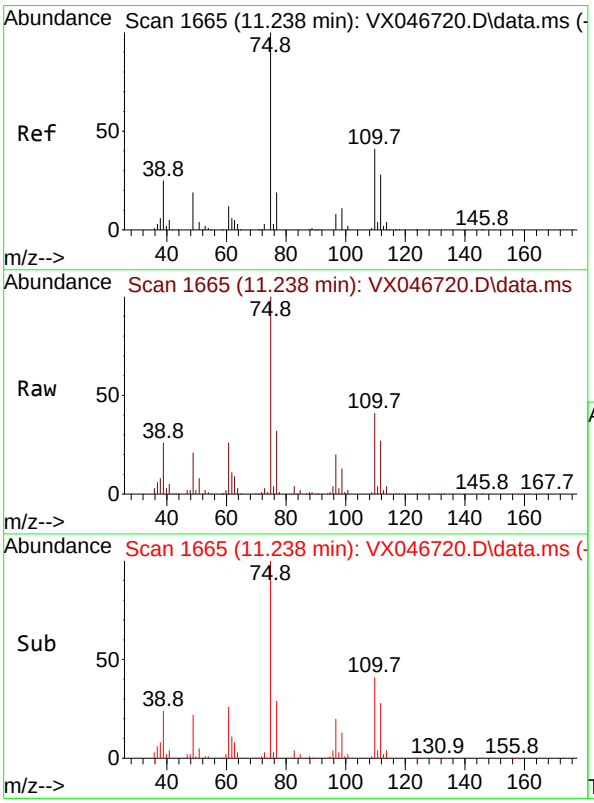
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 4.9 | 14.6 |
| 85 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

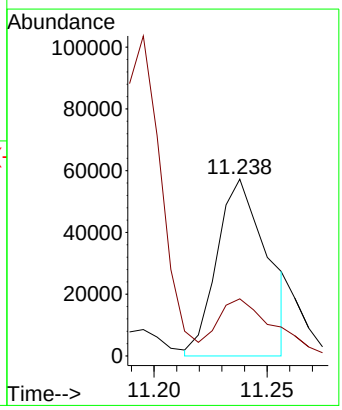
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

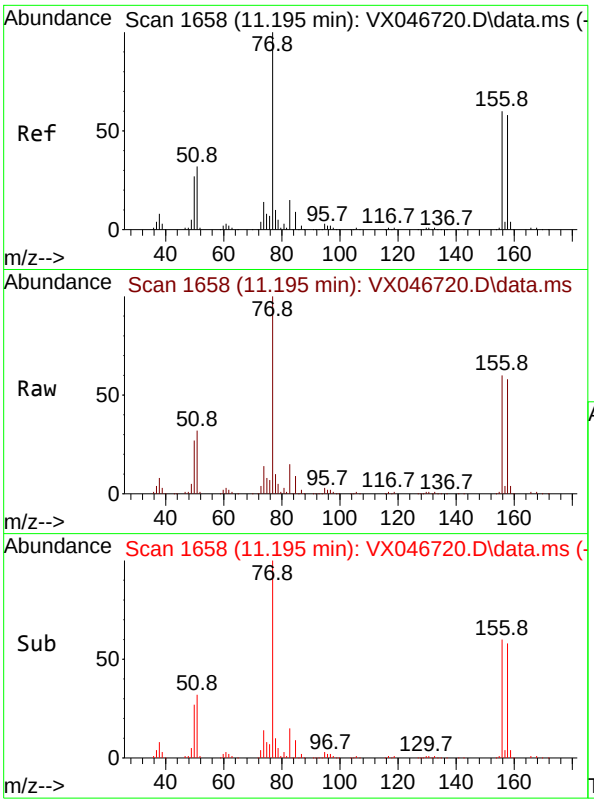



#76
1,2,3-Trichloropropane
Concen: 48.721 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 88091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.0 | 18.5 | 55.5 |

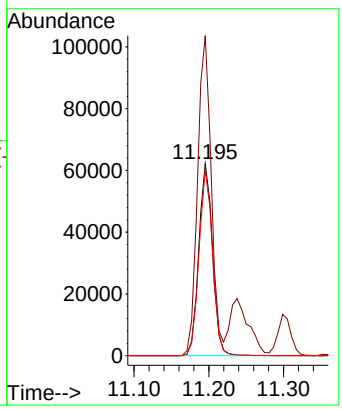





#77
Bromobenzene
Concen: 50.331 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:156 Resp: 7940

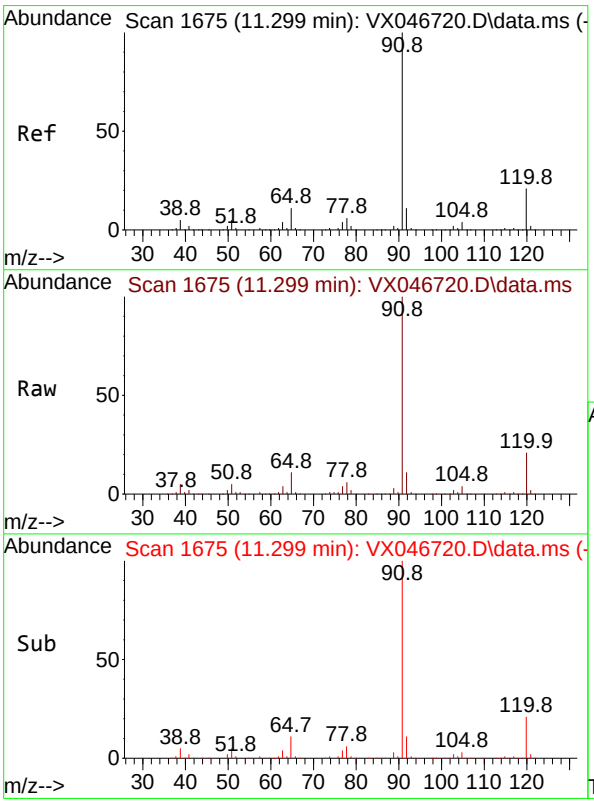
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.7 | 82.8 | 248.6 |
| 158 | 95.3 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

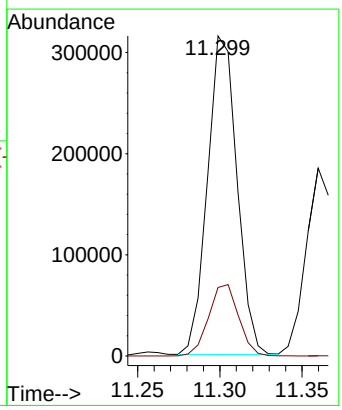
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

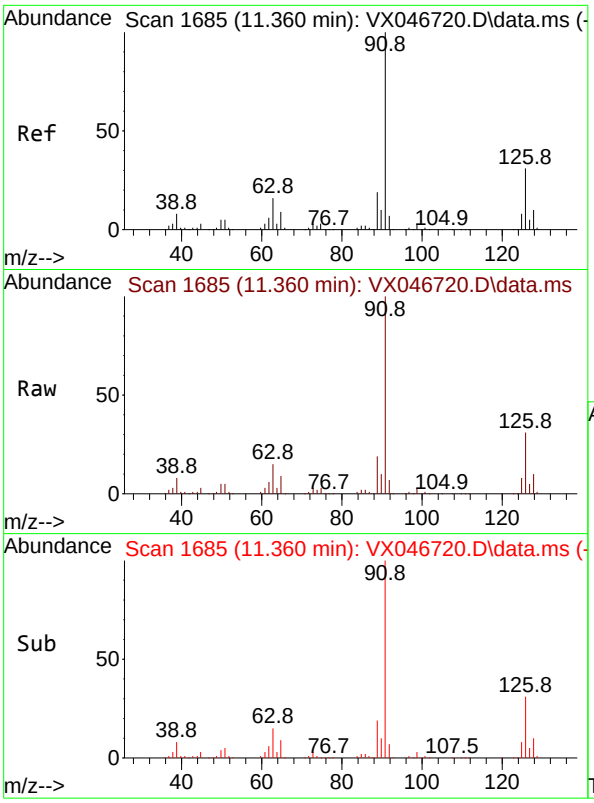



#78
n-propylbenzene
Concen: 50.646 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 394375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |

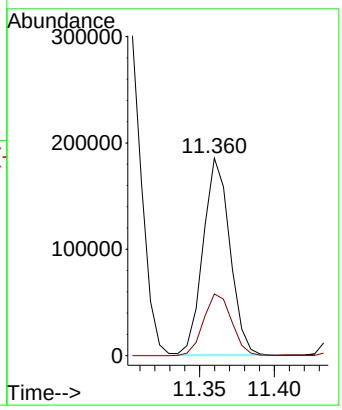





#79
2-Chlorotoluene
Concen: 49.509 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 23017

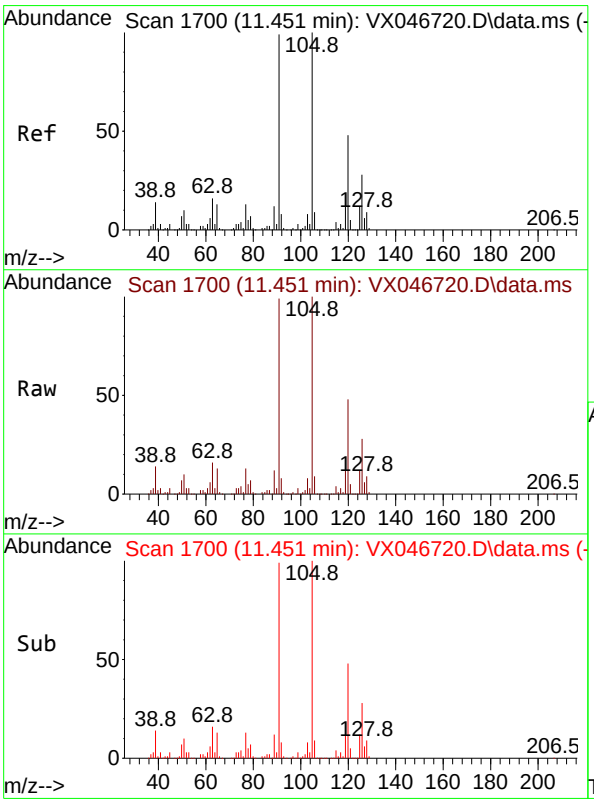
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

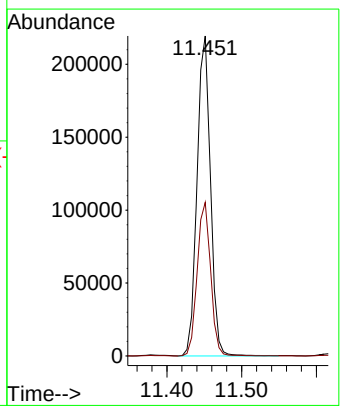
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

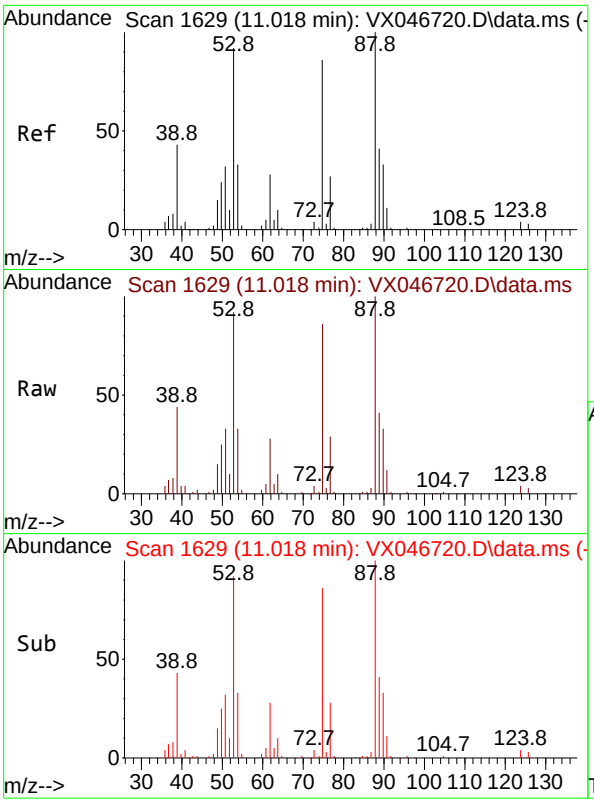



#80
1,3,5-Trimethylbenzene
Concen: 50.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:105 Resp: 273477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.1 | 72.2 |

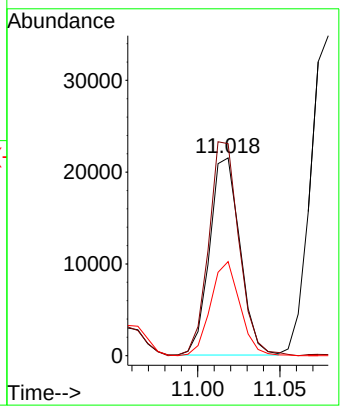





#81
trans-1,4-Dichloro-2-butene
Concen: 47.984 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 2767

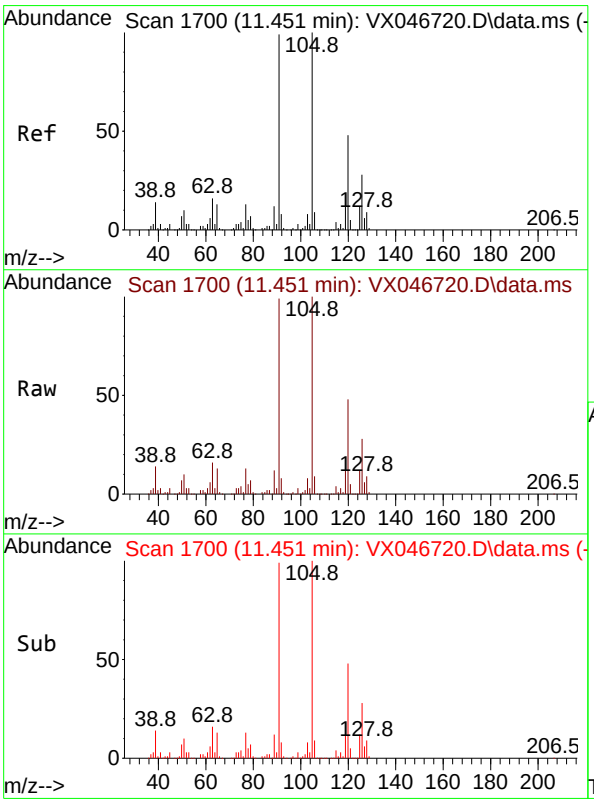
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.5 | 86.8 | 130.2 |
| 89 | 46.1 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

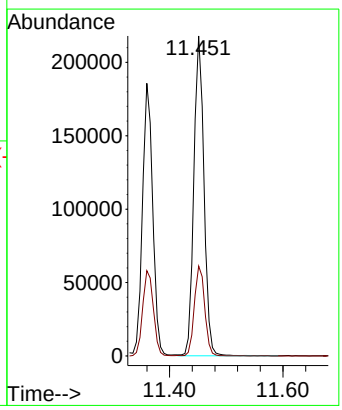
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

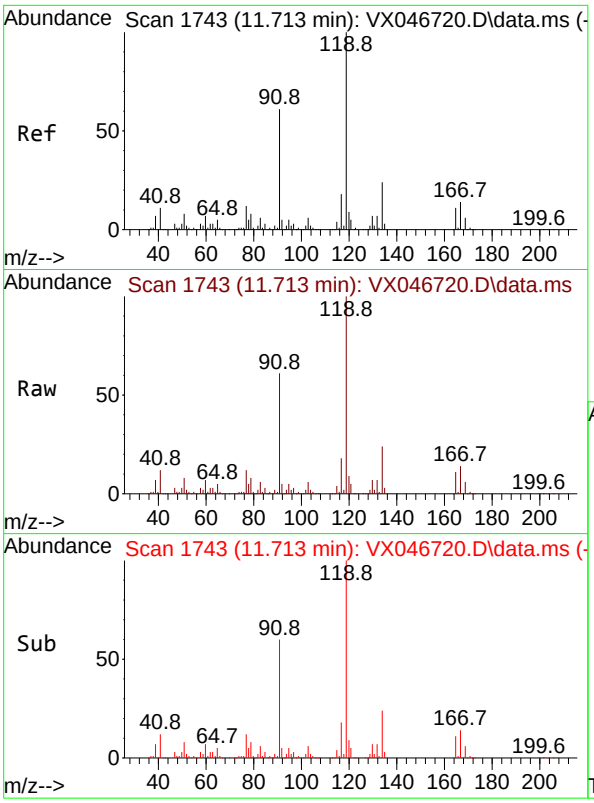



#82
4-Chlorotoluene
Concen: 49.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 269198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.8 | 14.4 | 43.2 |

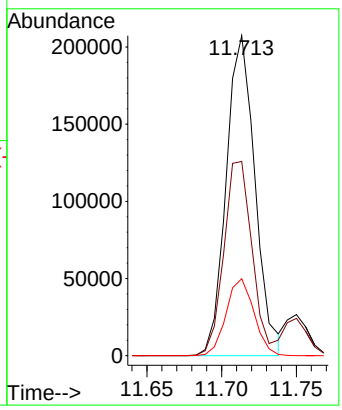





#83
tert-Butylbenzene
Concen: 49.905 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:119 Resp: 27791

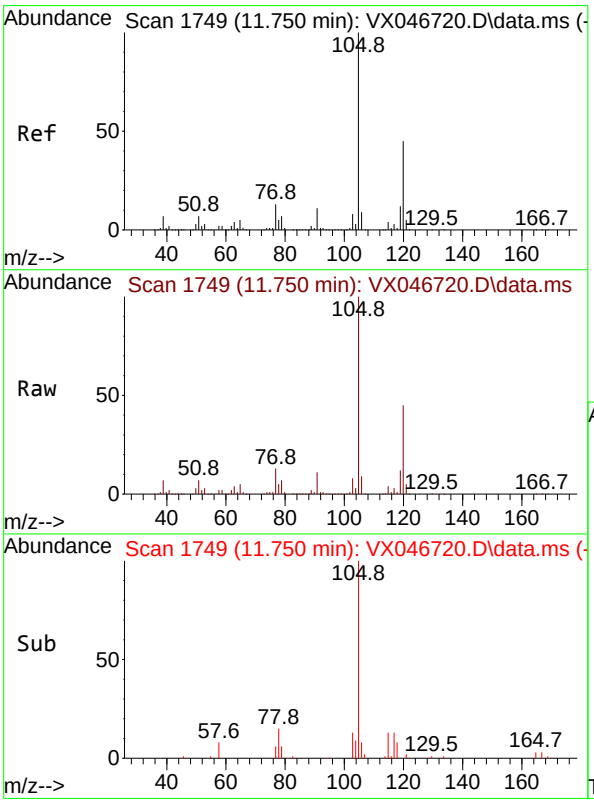
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 29.5 | 88.6 |
| 134 | 23.3 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

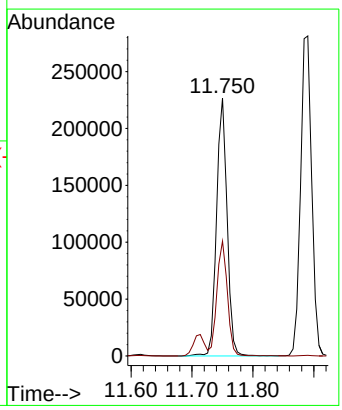
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

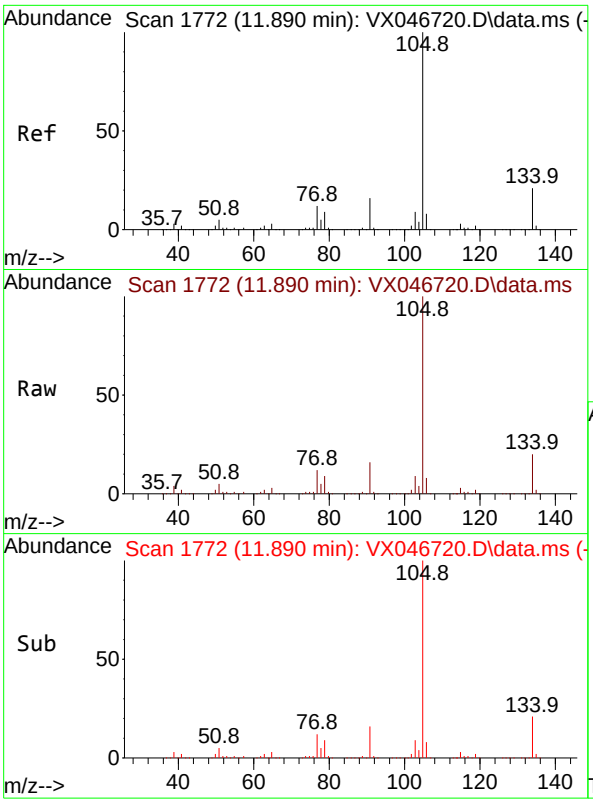



#84
1,2,4-Trimethylbenzene
Concen: 50.345 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:105 Resp: 272510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.3 |

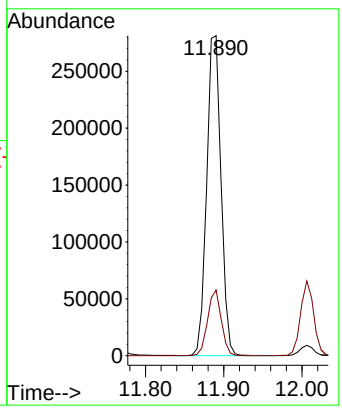





#85
sec-Butylbenzene
Concen: 50.574 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:105 Resp: 35594

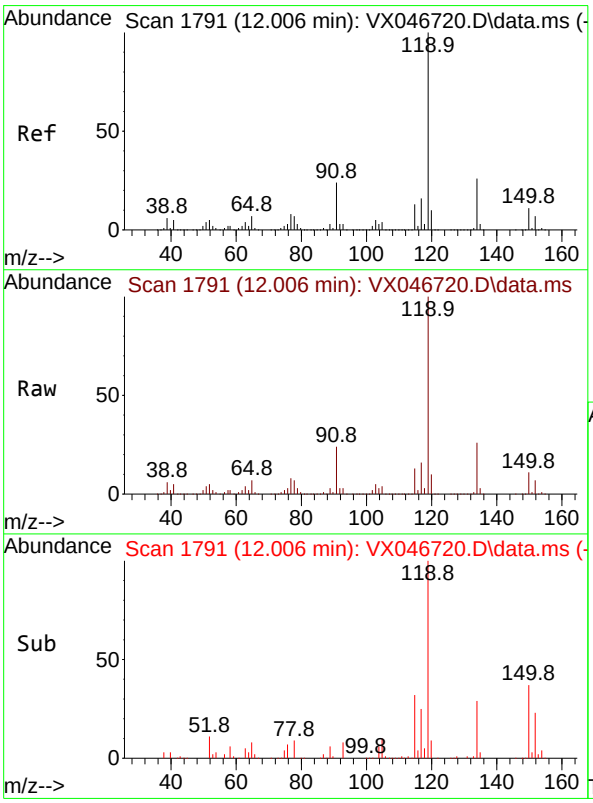
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

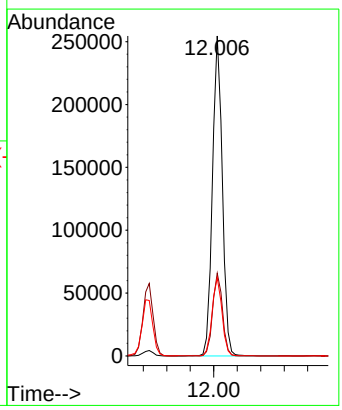
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

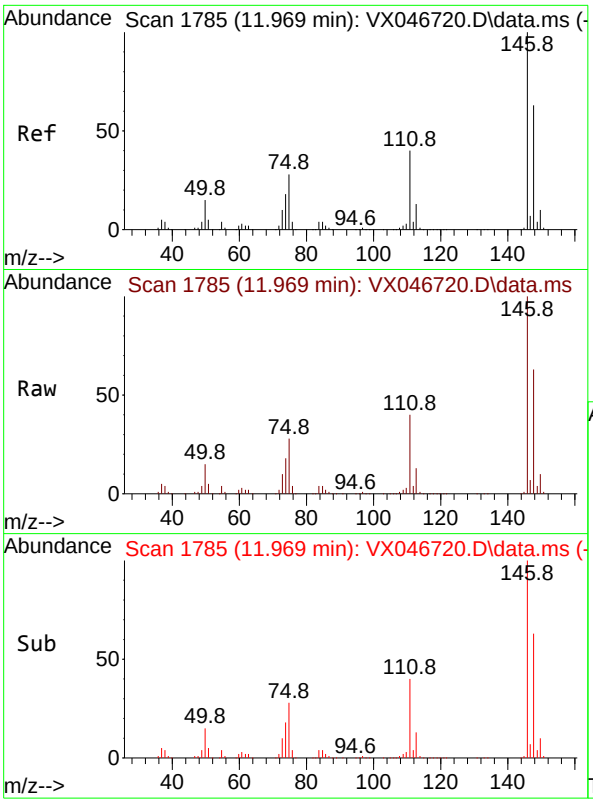



#86
p-Isopropyltoluene
Concen: 50.067 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:119 Resp: 297314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |

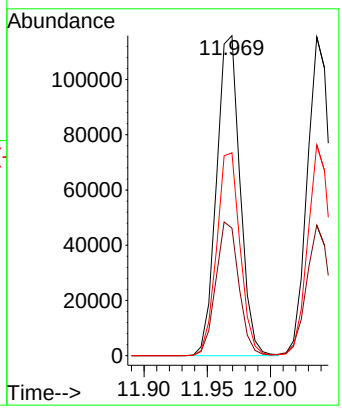





#87
1,3-Dichlorobenzene
Concen: 48.568 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:146 Resp: 14940

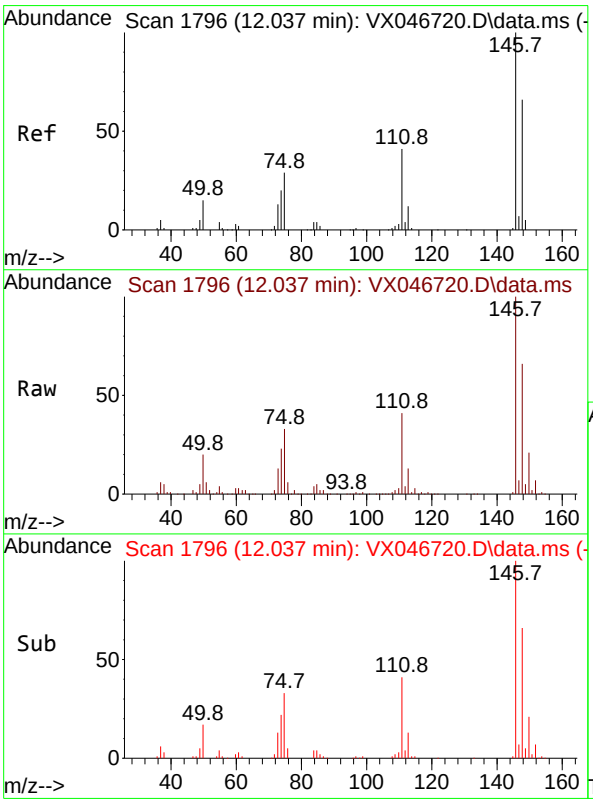
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.6 | 61.8 |
| 148 | 63.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

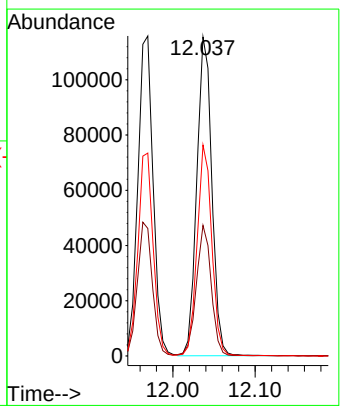
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

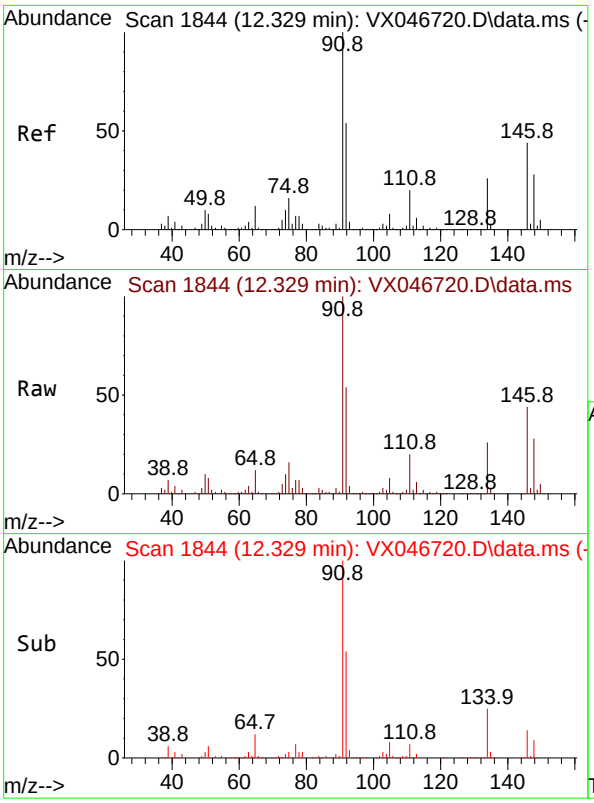



#88
1,4-Dichlorobenzene
Concen: 46.571 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:146 Resp: 147146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.3 | 32.1 | 96.5 |

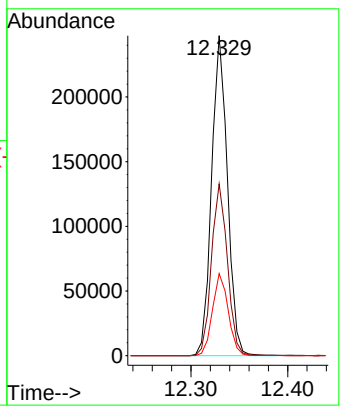





#89
n-Butylbenzene
Concen: 49.801 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 28079

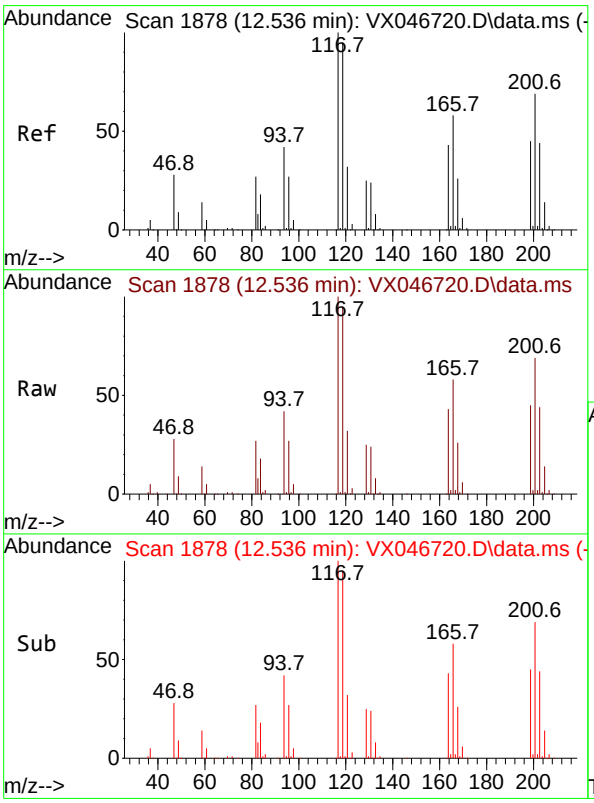
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

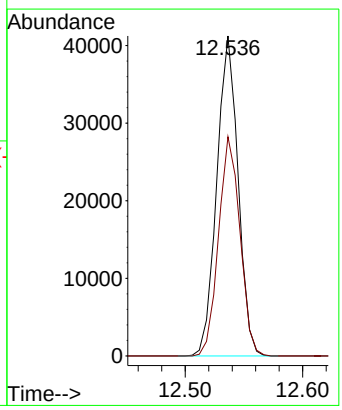
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

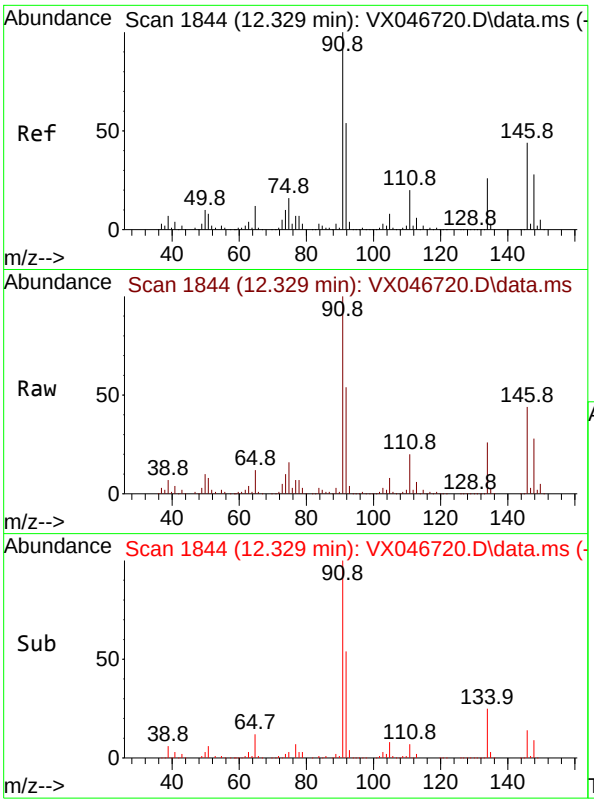



#90
Hexachloroethane
Concen: 49.968 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:117 Resp: 51961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.9 | 34.4 | 103.3 |

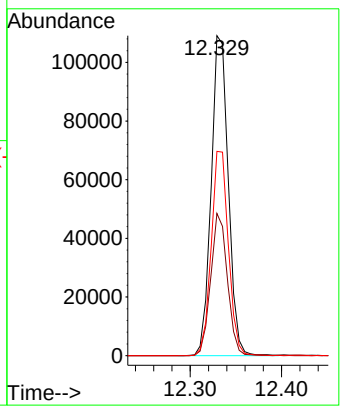





#91
1,2-Dichlorobenzene
Concen: 49.309 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:146 Resp: 14174

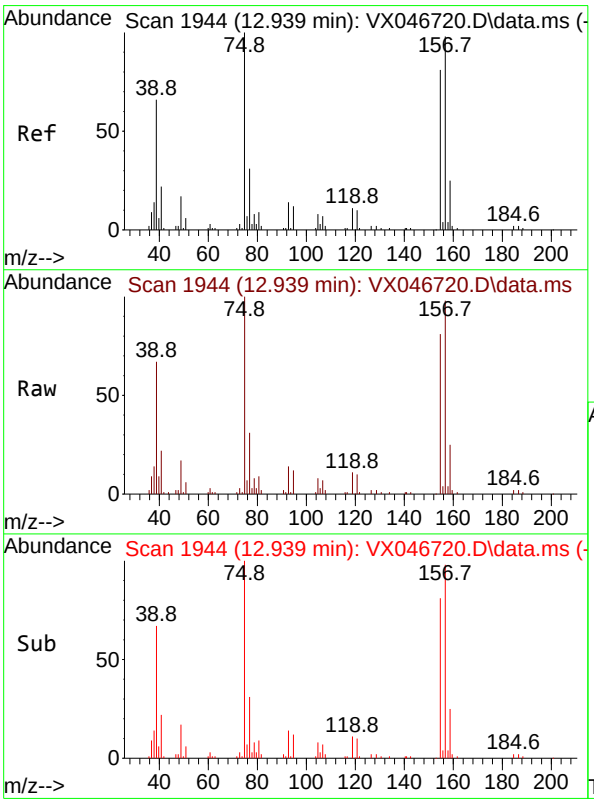
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.7 | 65.1 |
| 148 | 64.1 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

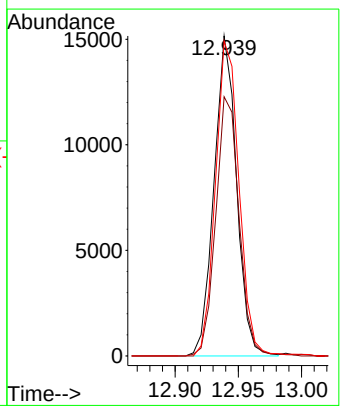
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

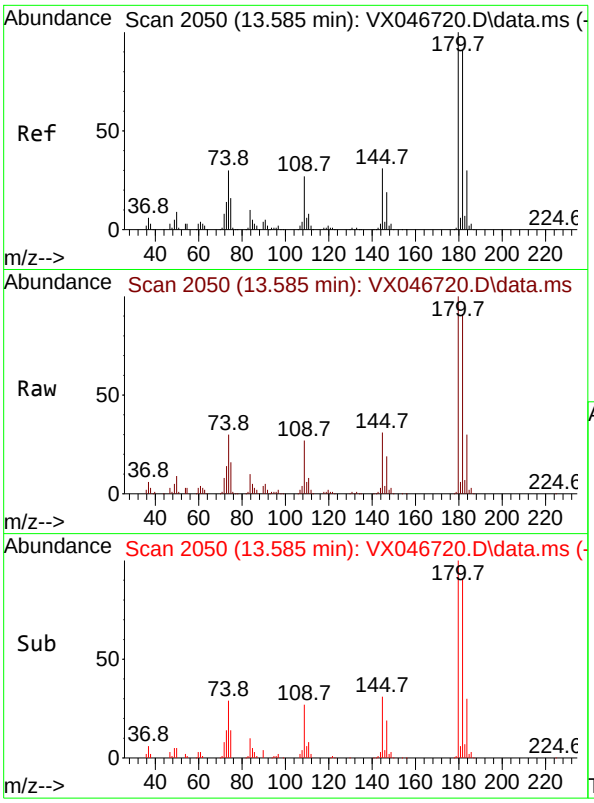



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.873 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 18747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.8 | 41.9 | 125.7 |
| 157 | 102.9 | 51.4 | 154.3 |

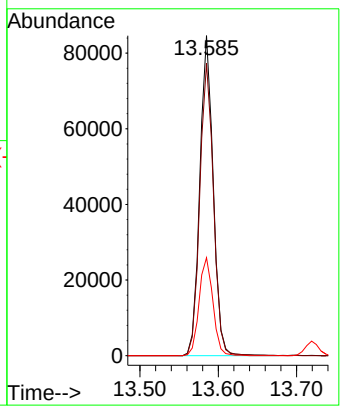





#93
1,2,4-Trichlorobenzene
Concen: 49.101 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:180 Resp: 10034

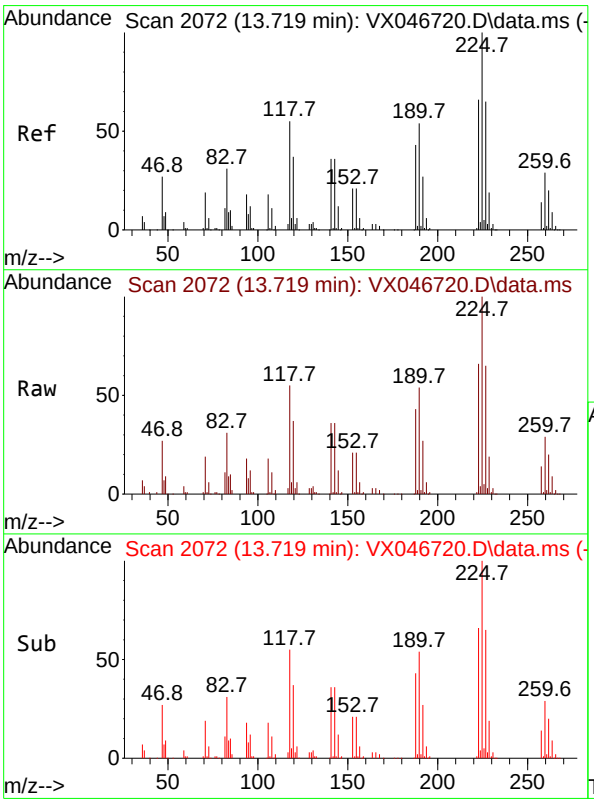
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 46.7 | 140.1 |
| 145 | 31.6 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

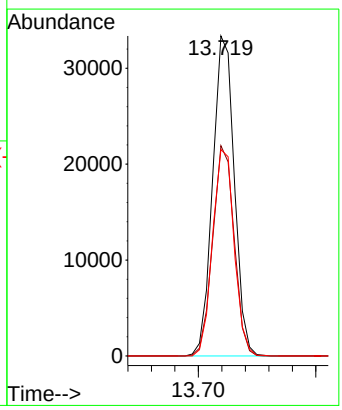
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

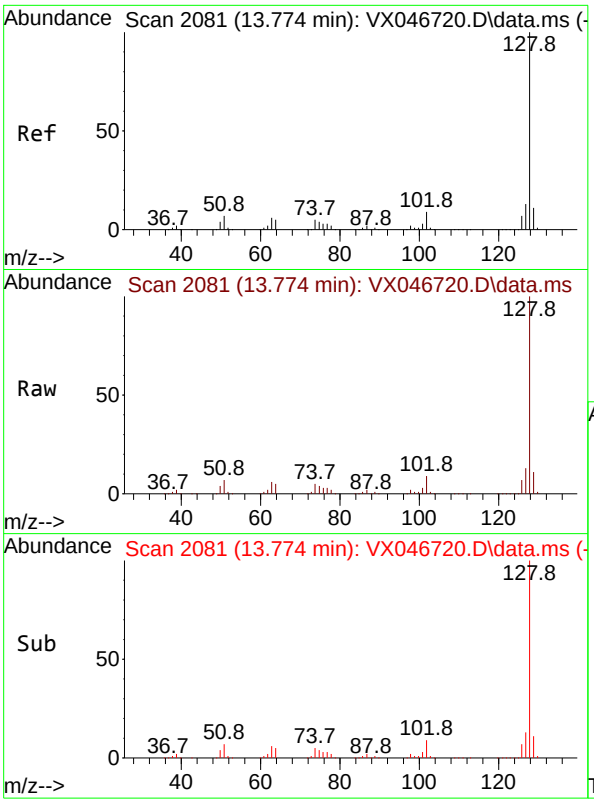



#94
Hexachlorobutadiene
Concen: 49.621 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:225 Resp: 42659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.0 | 32.5 | 97.5 |
| 227 | 64.4 | 32.2 | 96.6 |

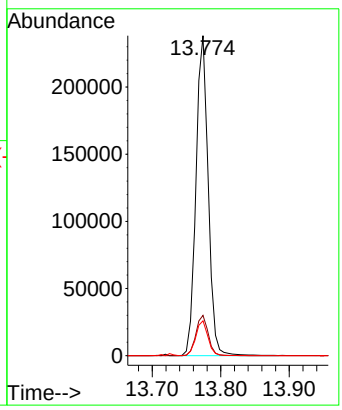





#95
Naphthalene
Concen: 50.994 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:128 Resp: 29691

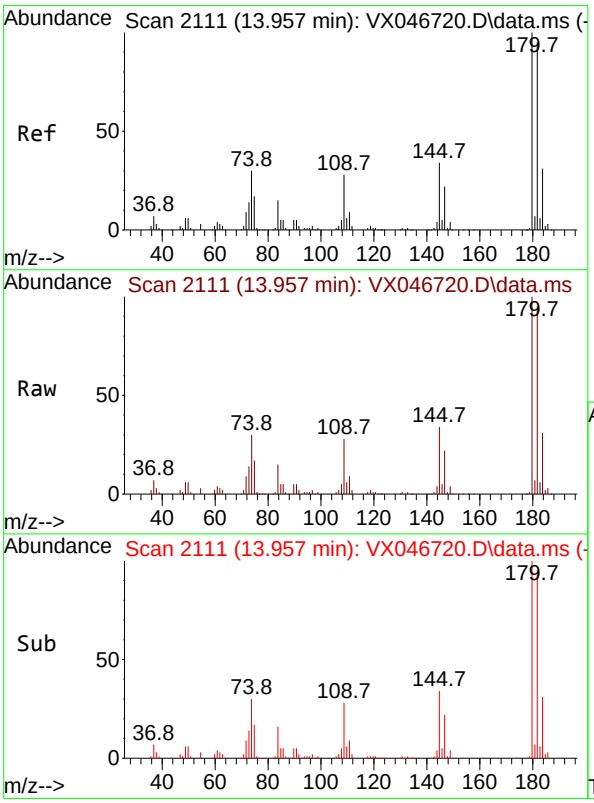
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

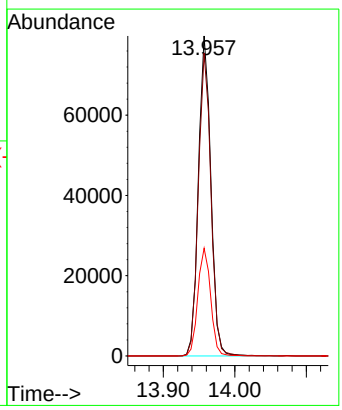
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 49.263 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:180 Resp: 96318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.8 | 143.4 |
| 145 | 34.6 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 110482 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 183300 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 160869 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 78522 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 160514 | 105.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 210.080%# | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 129932 | 107.136 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 214.280%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 458174 | 105.153 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 210.300%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 170795 | 105.156 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 210.320%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 138589 | 117.494 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 141568 | 111.195 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 151879 | 111.868 | ug/l | 97 |
| 5) Bromomethane | 1.611 | 94 | 75361 | 98.660 | ug/l | 94 |
| 6) Chloroethane | 1.697 | 64 | 89532 | 108.805 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 227688 | 110.449 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 77791 | 109.956 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 137759 | 108.929 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 174182 | 104.824 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 78366 | 571.345 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 134660 | 110.347 | ug/l | 98 |
| 13) Acrolein | 2.246 | 56 | 108796 | 544.566 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 243477 | 110.119 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 344981 | 559.348 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 263024 | 516.133 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 383348 | 104.026 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 143551 | 110.909 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 419445 | 110.387 | ug/l | 98 |
| 20) Methylene Chloride | 2.800 | 84 | 147144 | 103.828 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 140792 | 107.824 | ug/l | 97 |
| 22) Diisopropyl ether | 3.770 | 45 | 466831 | 109.846 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 1930136 | 571.126 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 258546 | 107.149 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 409960 | 568.810 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 194006 | 110.239 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 163672 | 106.691 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 114720 | 104.869 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 265233 | 569.746 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 260888 | 108.113 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 237424 | 103.757 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 231101 | 109.198 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 183355 | 104.733 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 171444 | 106.094 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 200914 | 105.749 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 246277 | 106.902 | ug/l | 99 |
| 40) Benzene | 6.044 | 78 | 553336 | 106.798 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 97782 | 113.502 ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 193498 | 106.278 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 291467 | 115.264 ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 142659 | 108.043 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 137291 | 106.920 ug/l | | 96 |
| 46) Dibromomethane | 7.586 | 93 | 98964 | 107.240 ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 205870 | 109.319 ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 150002 | 118.279 ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 38203 | 2040.447 ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 843944 | 559.584 ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 339735 | 105.772 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 203470 | 116.448 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 221241 | 111.537 ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 127195 | 106.264 ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 205153 | 116.106 ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 220021 | 106.740 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 541734 | 590.219 ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 587221 | 563.200 ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 153731 | 108.983 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 133253 | 109.444 ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 115774 | 103.876 ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 374913 | 105.577 ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 131134 | 109.876 ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 663369 | 106.914 ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 492448 | 213.003 ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 237631 | 109.675 ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 407566 | 107.488 ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 101329 | 111.485 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 628803 | 108.731 ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 260620 | 118.945 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 176523 | 109.317 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 147349m | 92.387 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 150110 | 107.864 ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 743979 | 108.310 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 434989 | 106.065 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 517286 | 108.848 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 57608 | 113.225 ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 506852 | 105.896 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 533235 | 108.548 ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 518524 | 108.598 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 670896 | 108.062 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 561258 | 107.145 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 280540 | 103.388 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 280884 | 100.779 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 536268 | 107.822 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 101647 | 110.811 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 267432 | 105.466 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 36858 | 115.616 ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 196715 | 109.119 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 80407 | 106.029 ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 587914 | 114.468 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 189473 | 109.861 ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
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 :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

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

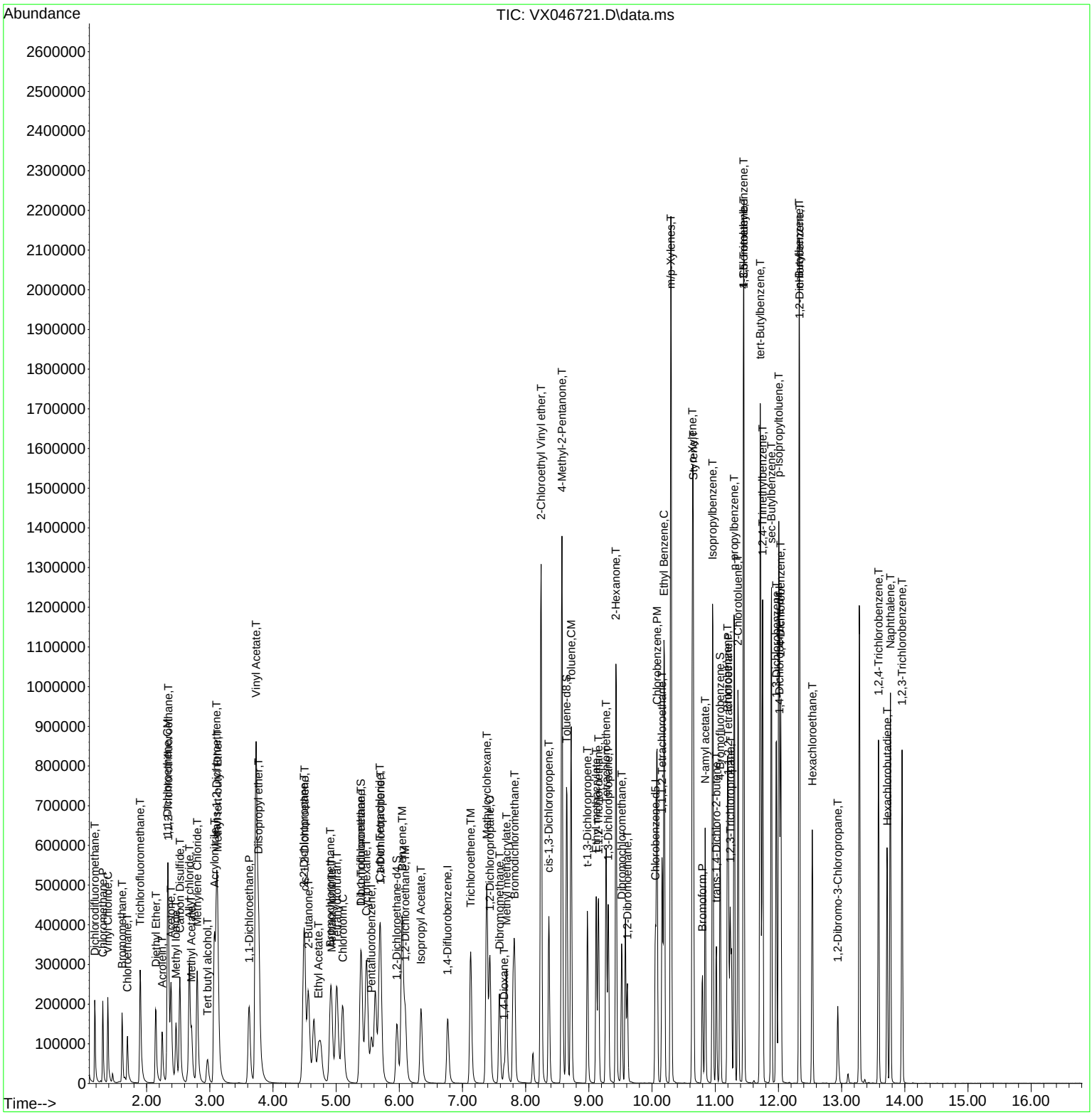
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Data File : VX046721.D
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Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

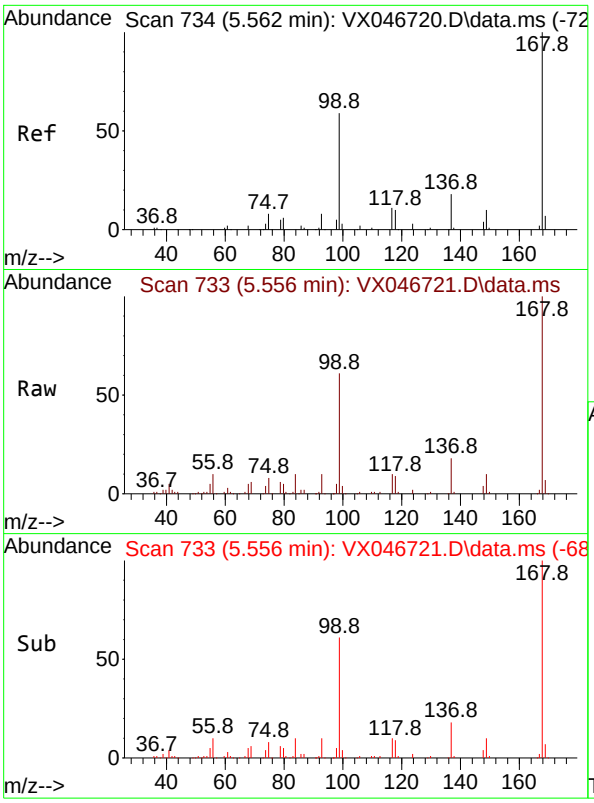
Quant Time: Jun 18 02:40:16 2025
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Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

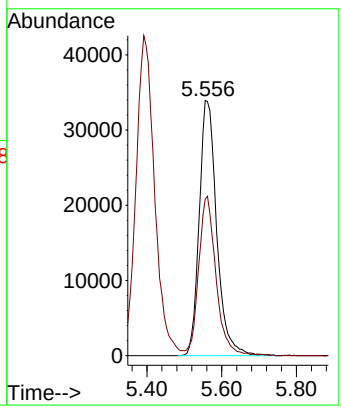





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:168 Resp: 11048

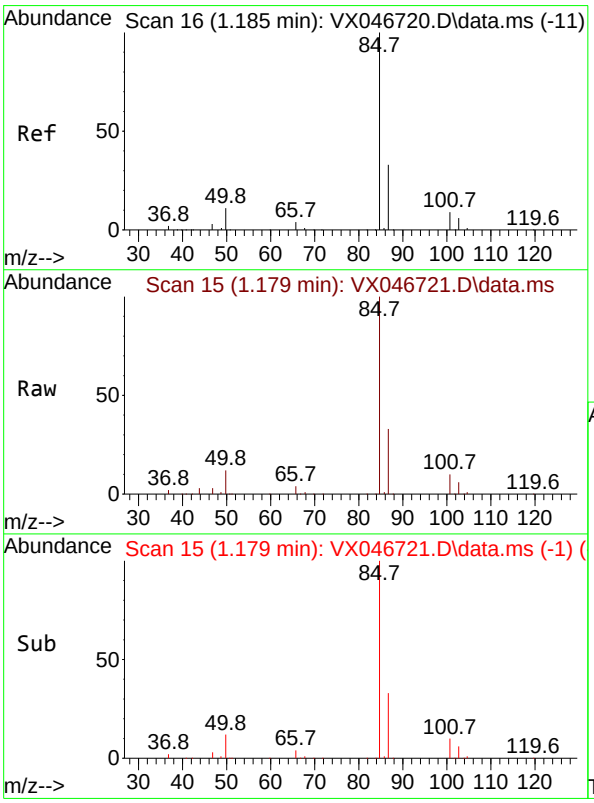
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

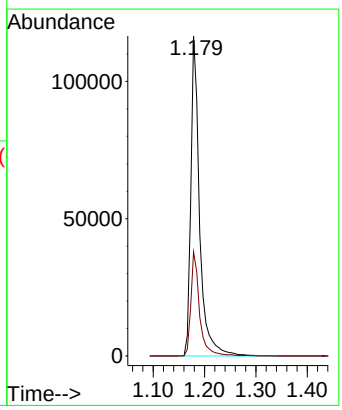
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

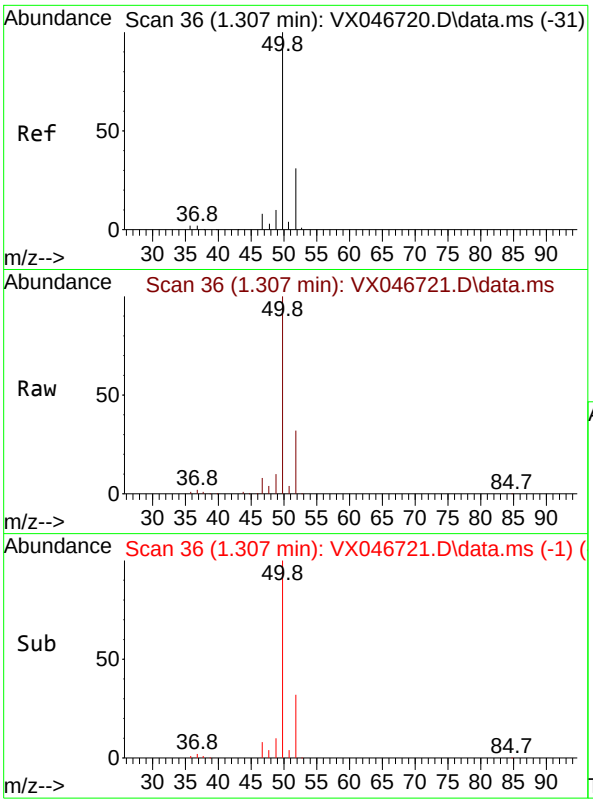



#2
Dichlorodifluoromethane
Concen: 117.494 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 85 Resp: 138589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |

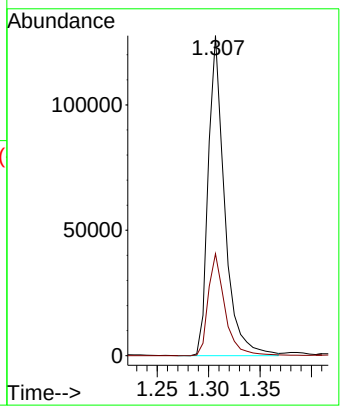





#3
Chloromethane
Concen: 111.195 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 50 Resp: 14156

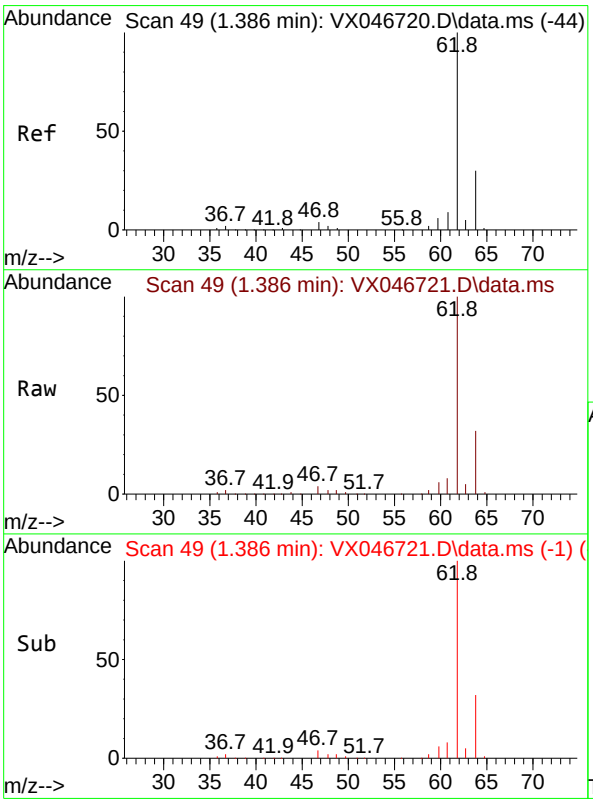
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

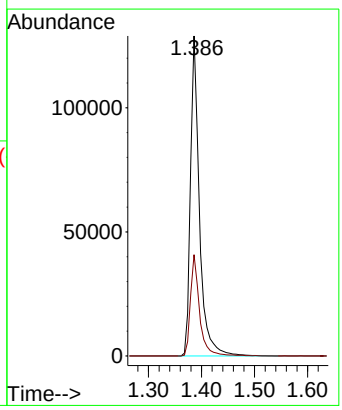
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

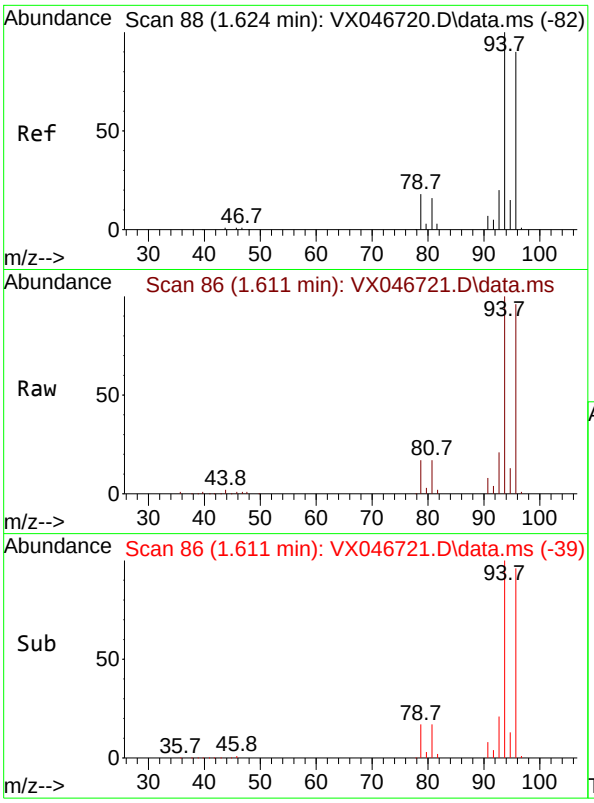



#4
Vinyl Chloride
Concen: 111.868 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 62 Resp: 151879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 23.9 | 35.9 |

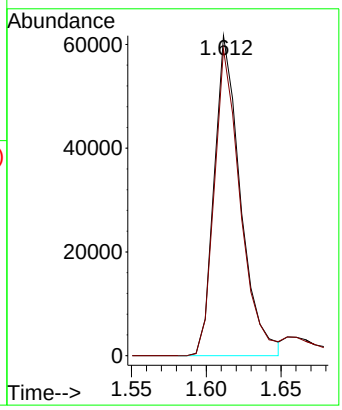





#5
Bromomethane
Concen: 98.660 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 94 Resp: 7536

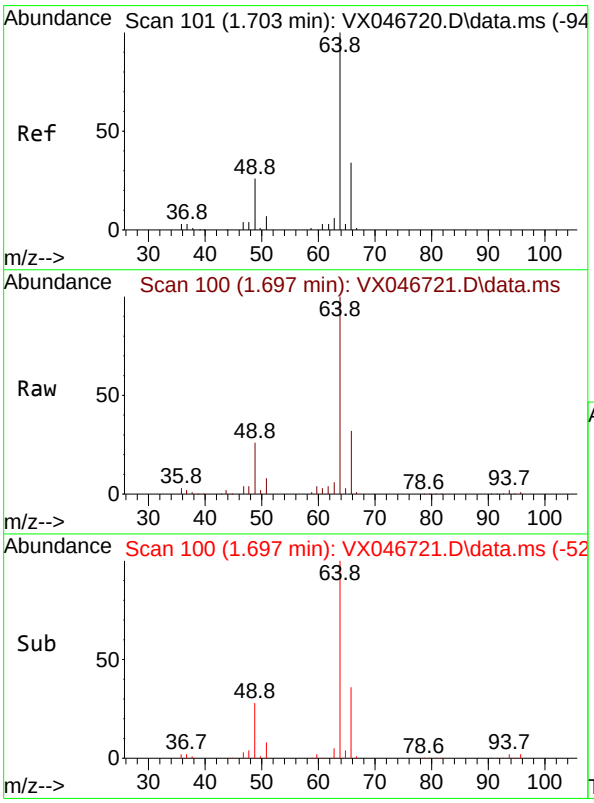
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

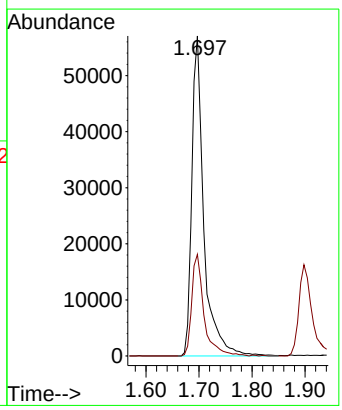
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

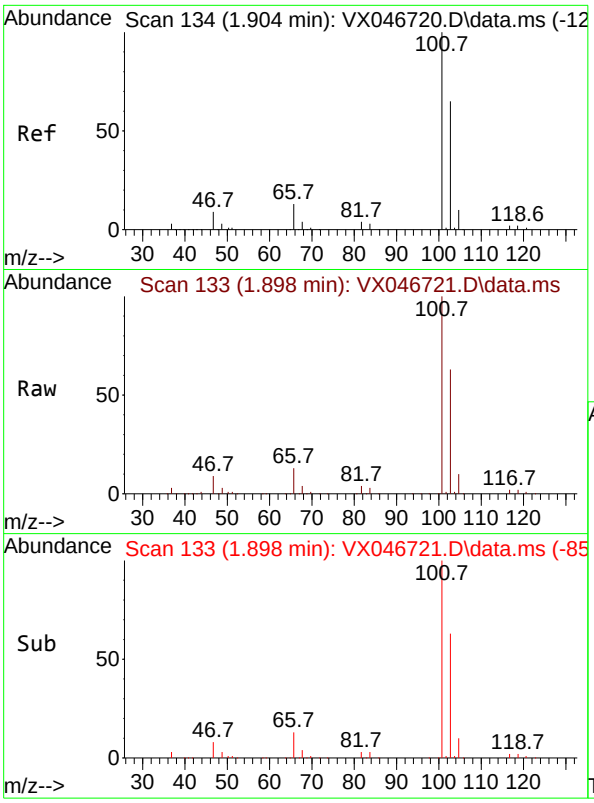



#6
Chloroethane
Concen: 108.805 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 64 Resp: 89532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 27.1 | 40.7 |

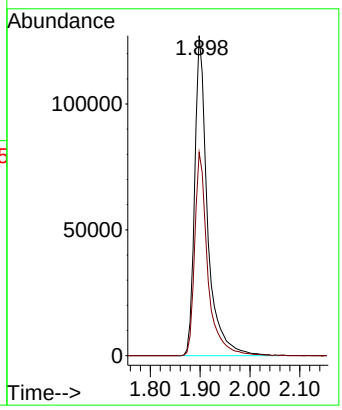





#7
Trichlorofluoromethane
Concen: 110.449 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:101 Resp: 22768

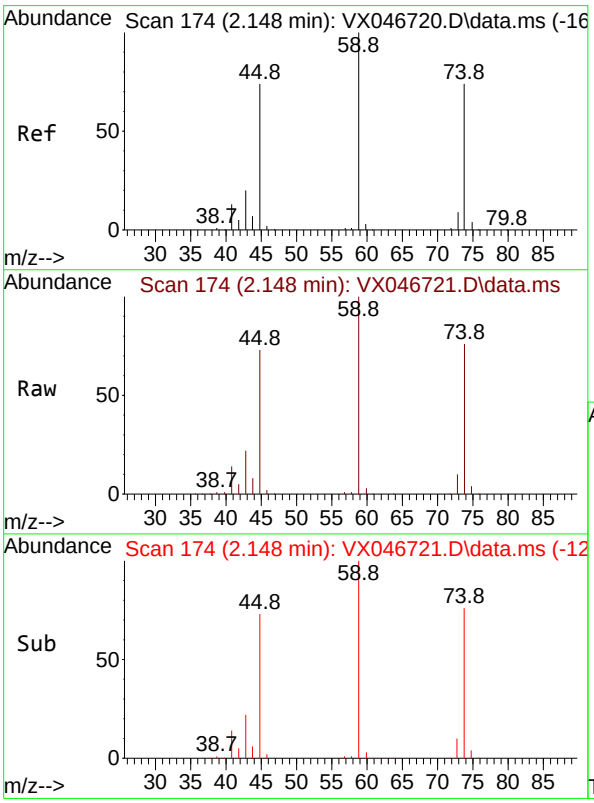
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

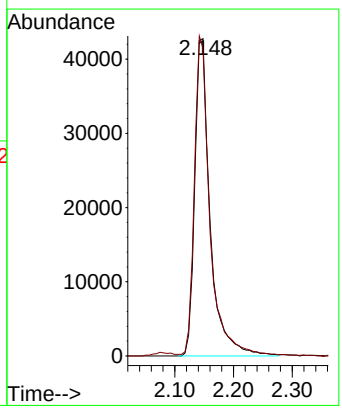
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

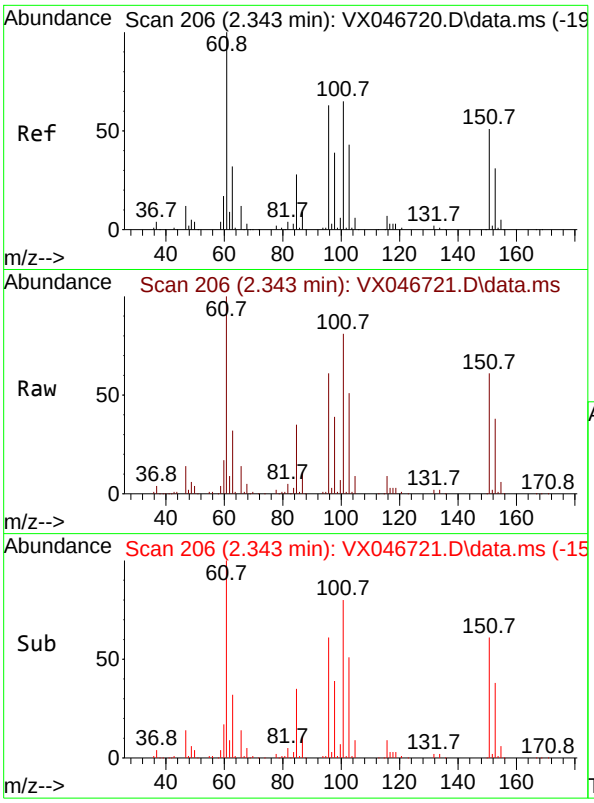



#8
Diethyl Ether
Concen: 109.956 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 74 Resp: 77791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.7 | 52.3 | 157.1 |

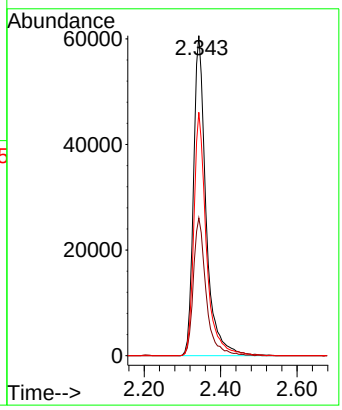





#9
1,1,2-Trichlorotrifluoroethane
Concen: 108.929 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:101 Resp: 13775

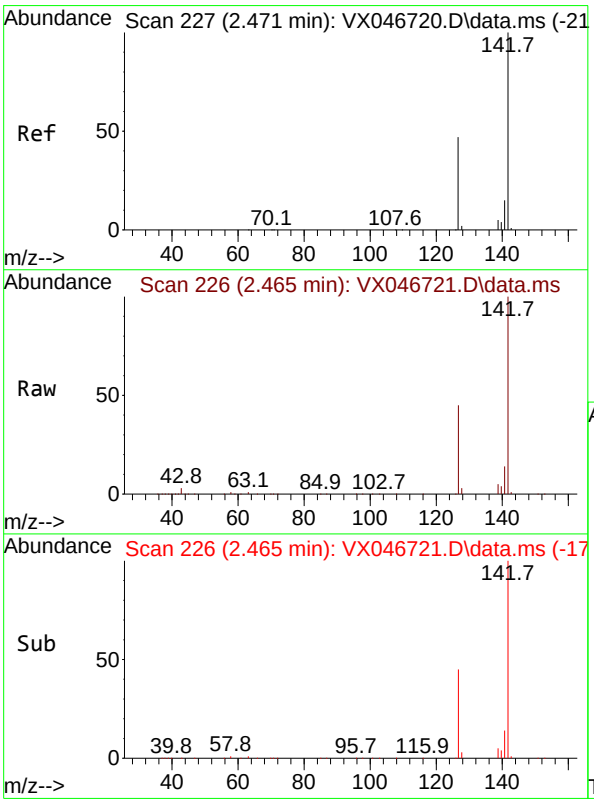
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.4 | 53.0 |
| 151 | 76.0 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

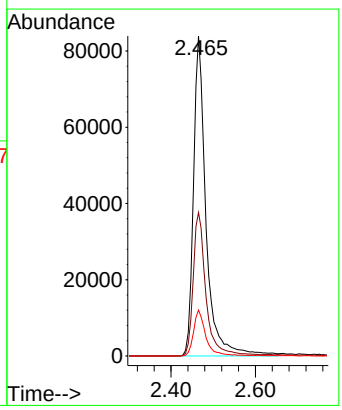
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

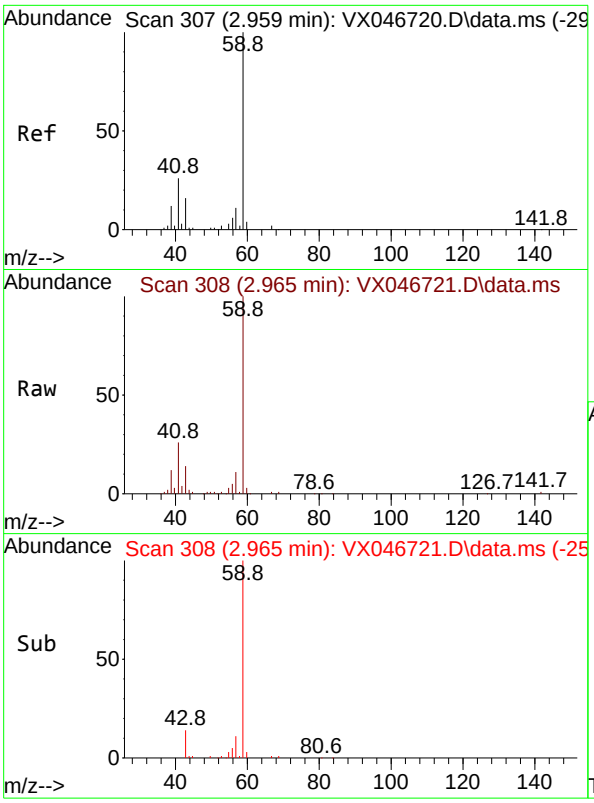



#10
Methyl Iodide
Concen: 104.824 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:142 Resp: 174182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.7 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |

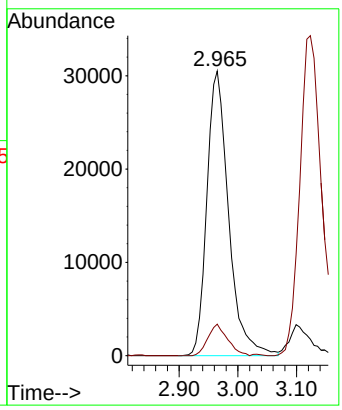





#11
Tert butyl alcohol
Concen: 571.345 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 59 Resp: 7836

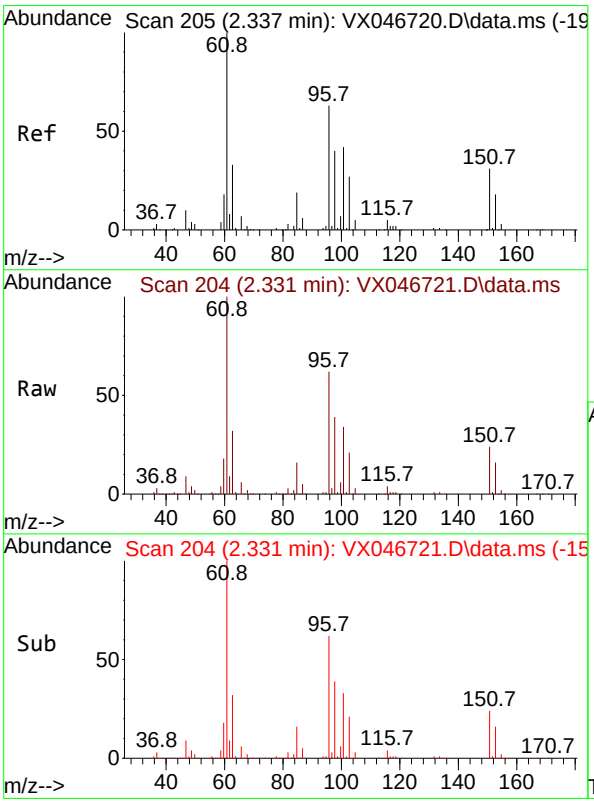
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

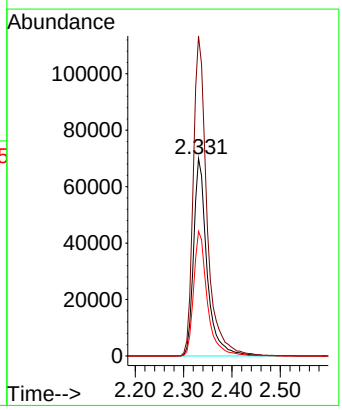
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

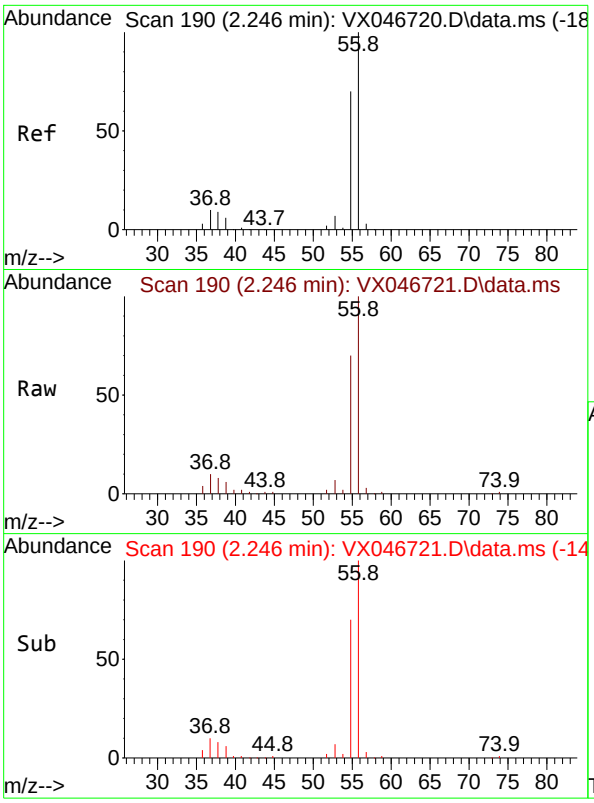



#12
1,1-Dichloroethene
Concen: 110.347 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 96 Resp: 134660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.9 | 126.6 | 189.8 |
| 98 | 63.0 | 50.7 | 76.1 |

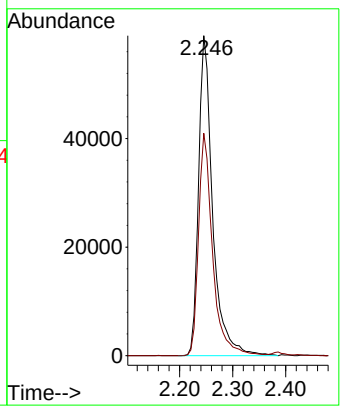





#13
Acrolein
Concen: 544.566 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 56 Resp: 10879

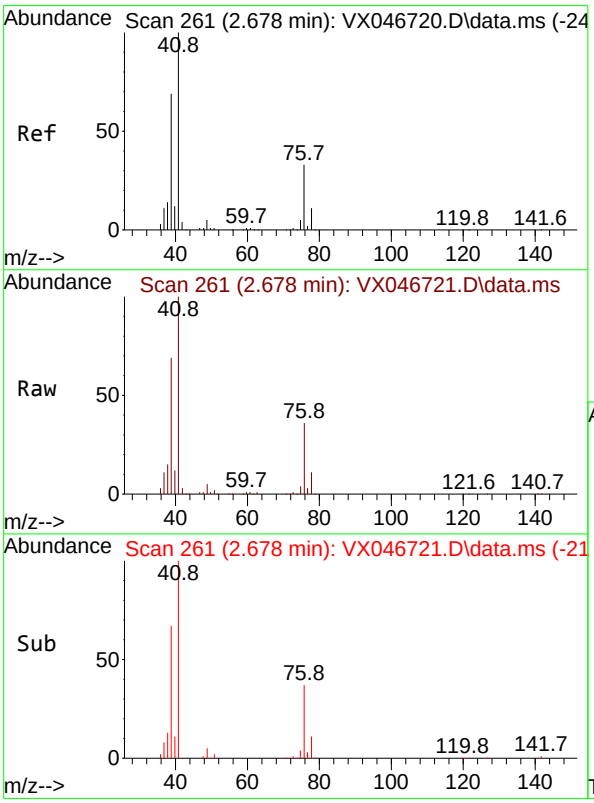
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.7 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

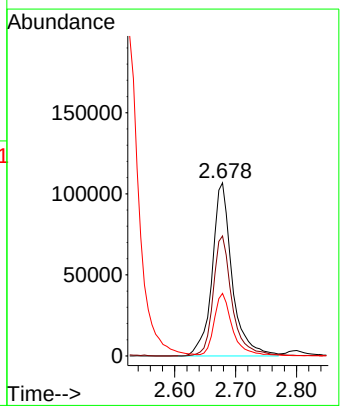
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

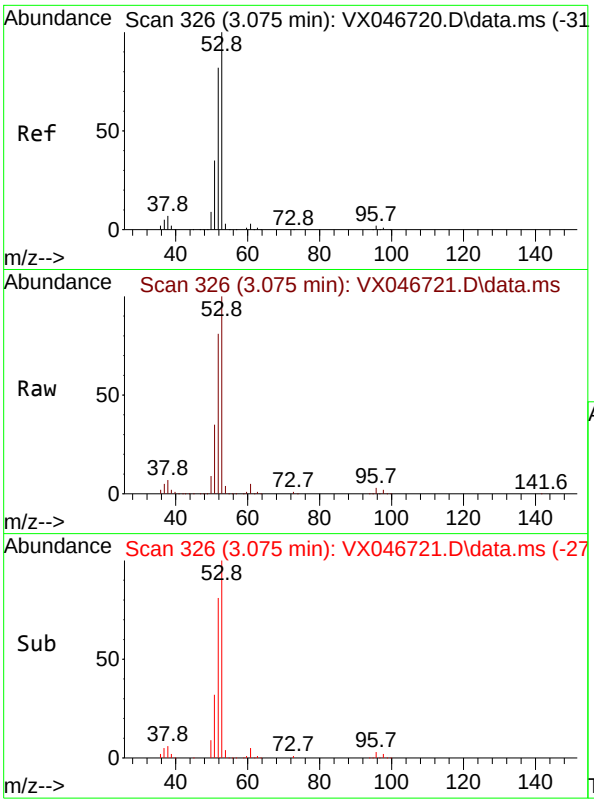



#14
Allyl chloride
Concen: 110.119 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 41 Resp: 243477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.5 | 53.6 | 80.4 |
| 76 | 33.6 | 26.8 | 40.2 |

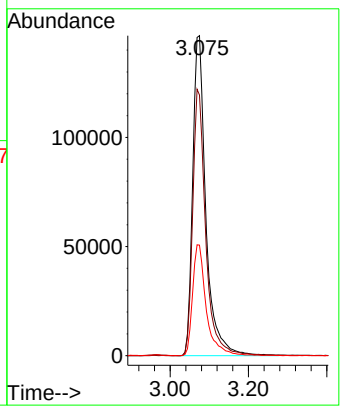





#15
Acrylonitrile
Concen: 559.348 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 53 Resp: 34498

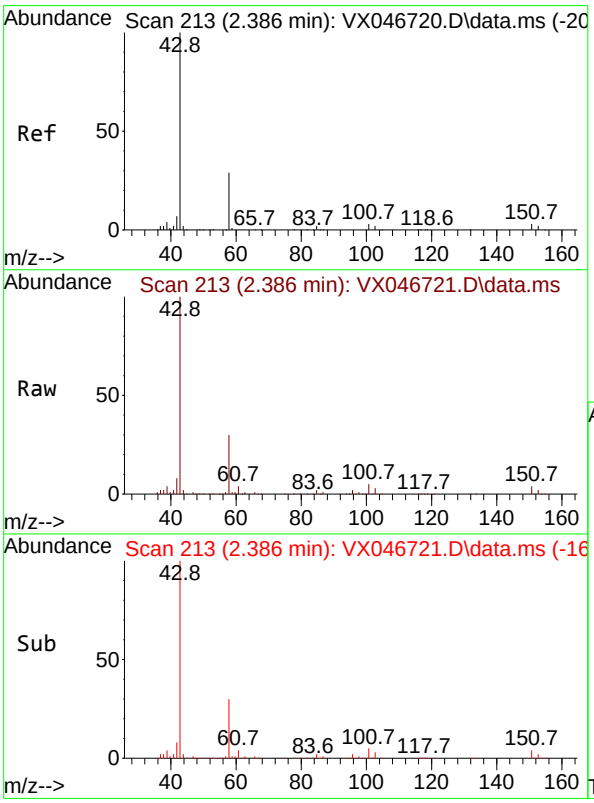
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.1 | 97.7 |
| 51 | 36.0 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

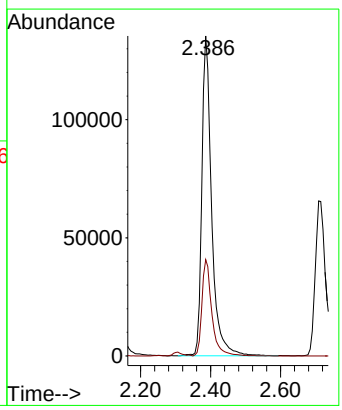
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

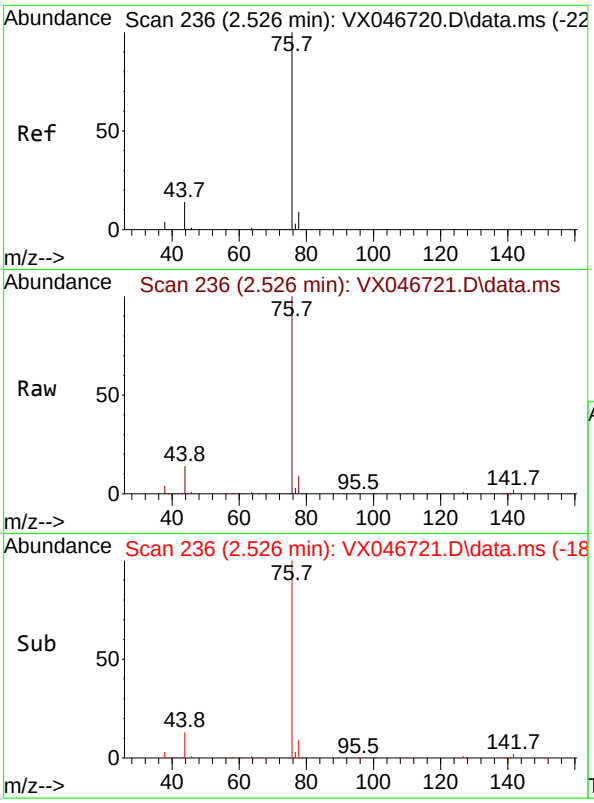



#16
Acetone
Concen: 516.133 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 263024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |

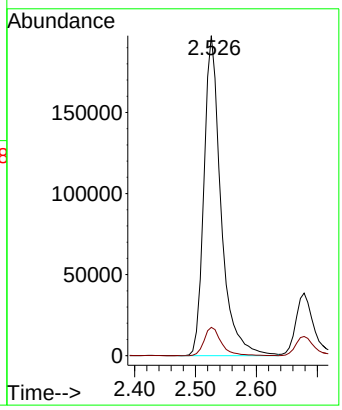





#17
Carbon Disulfide
Concen: 104.026 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 76 Resp: 38334

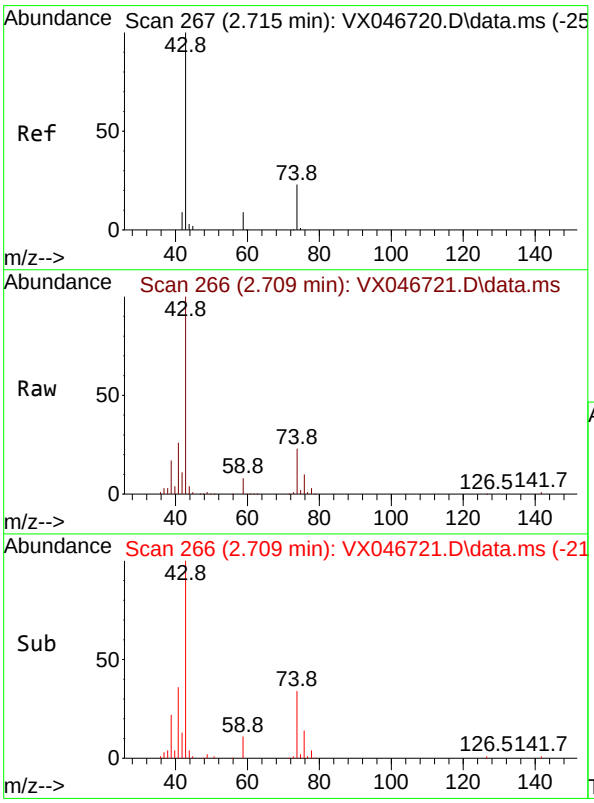
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

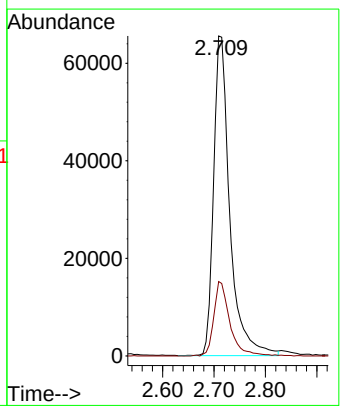
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

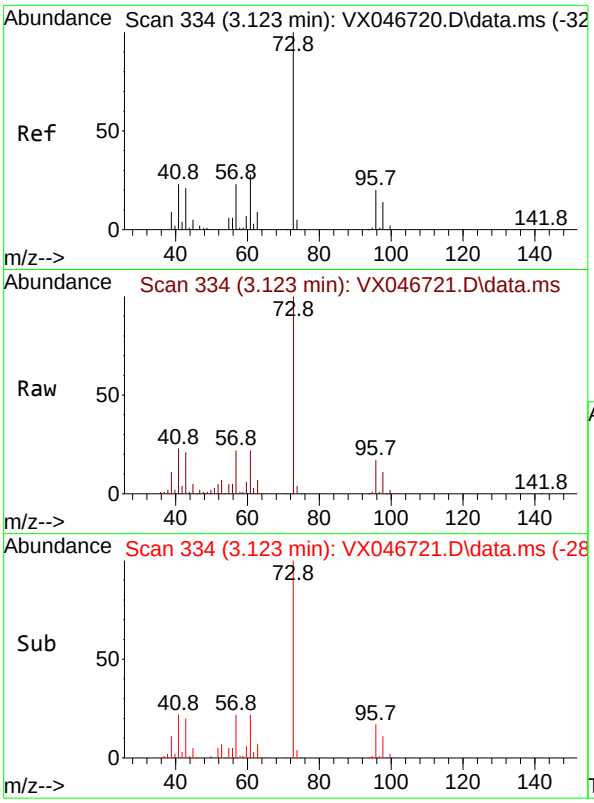



#18
Methyl Acetate
Concen: 110.909 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 143551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 18.4 | 27.6 |

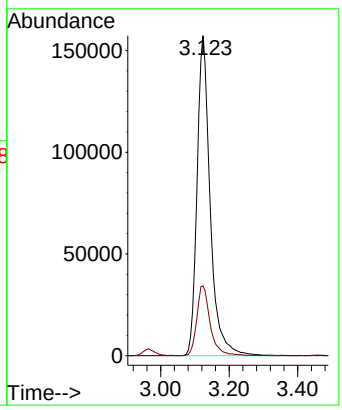





#19
Methyl tert-butyl Ether
Concen: 110.387 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 73 Resp: 41944

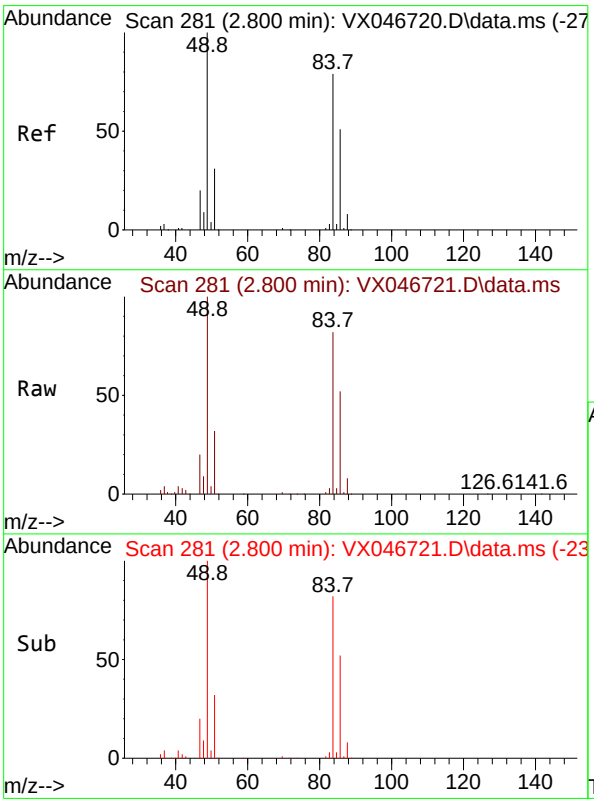
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

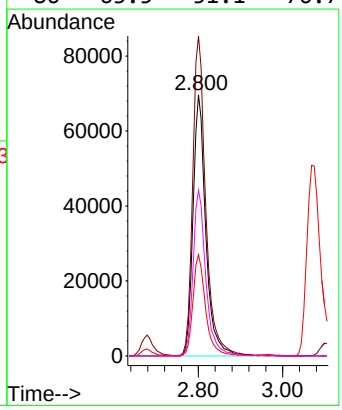
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

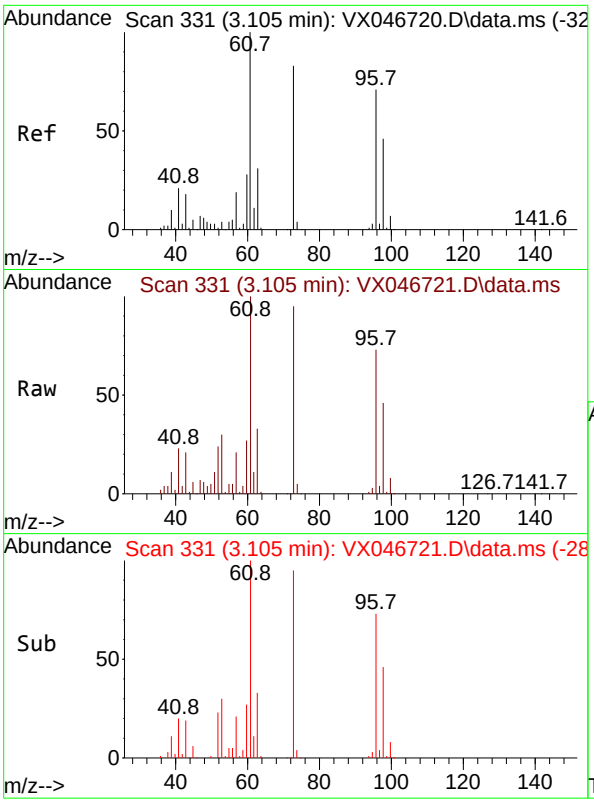



#20
Methylene Chloride
Concen: 103.828 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 84 Resp: 147144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.3 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 63.5 | 51.1 | 76.7 |

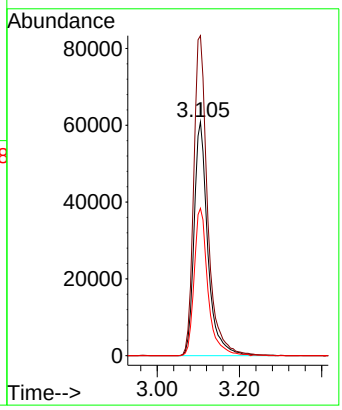





#21
trans-1,2-Dichloroethene
Concen: 107.824 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 96 Resp: 14079

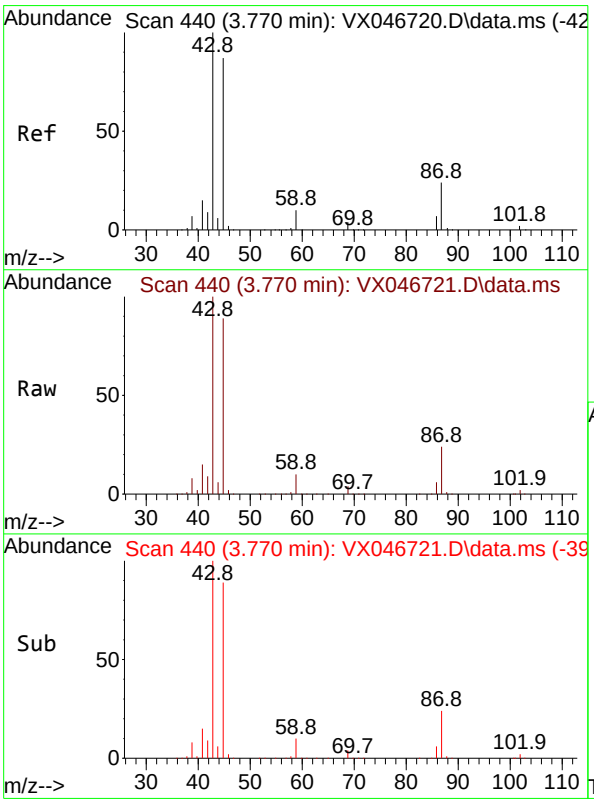
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.9 | 112.5 | 168.7 |
| 98 | 63.1 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

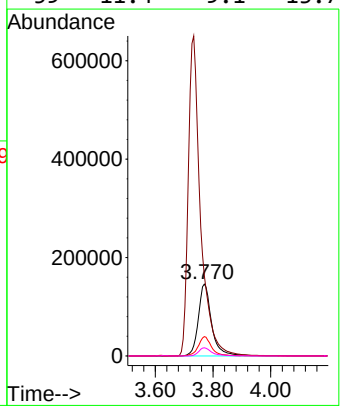
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

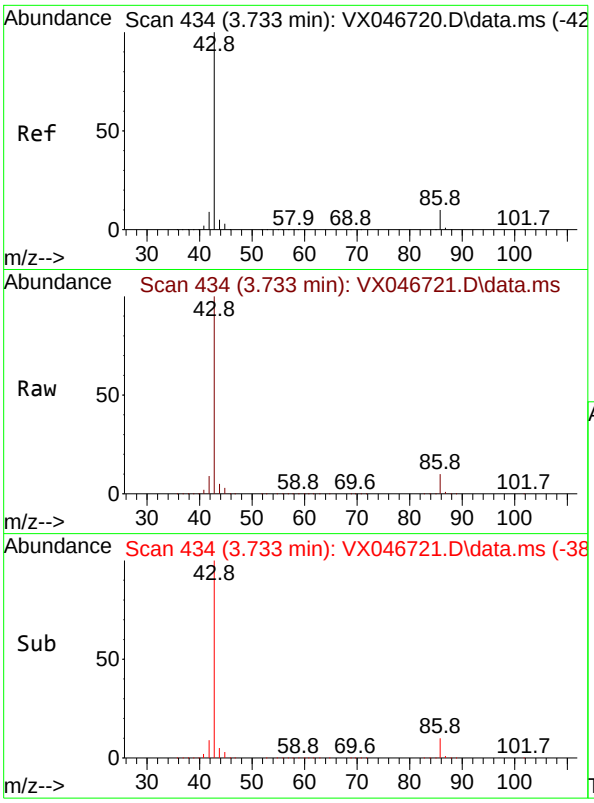



#22
Diisopropyl ether
Concen: 109.846 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 45 Resp: 466831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 112.3 | 91.9 | 137.9 |
| 87 | 26.8 | 22.0 | 33.0 |
| 59 | 11.4 | 9.1 | 13.7 |

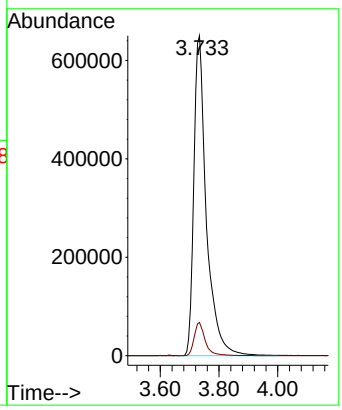





#23
Vinyl Acetate
Concen: 571.126 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 193013

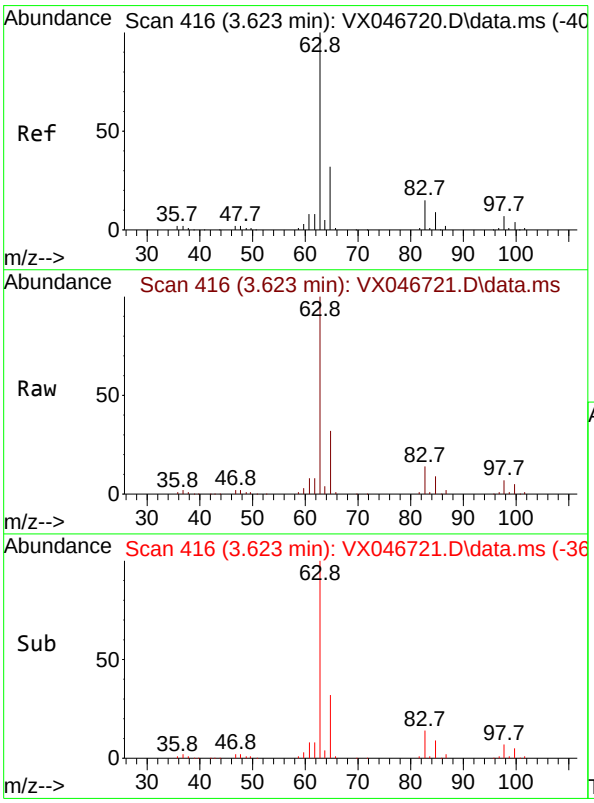
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

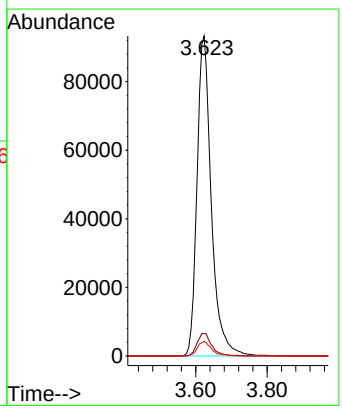
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

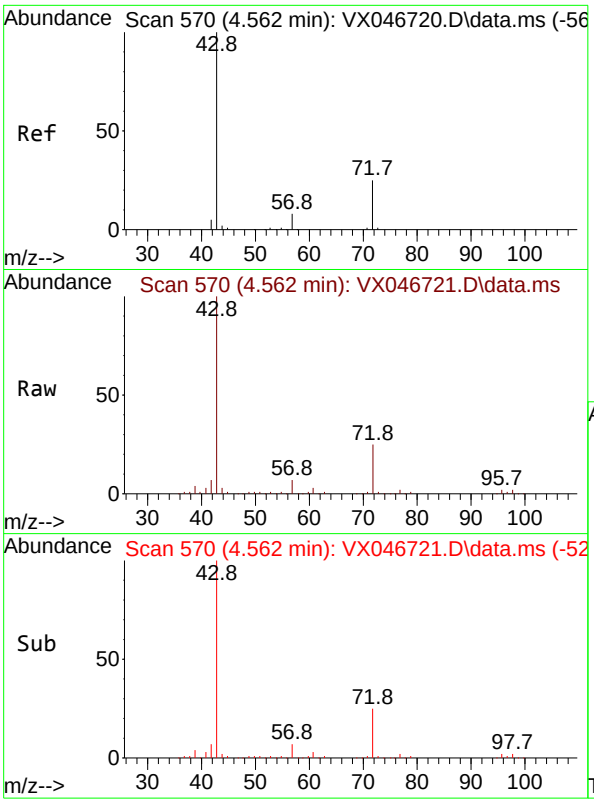



#24
1,1-Dichloroethane
Concen: 107.149 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 63 Resp: 258546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |

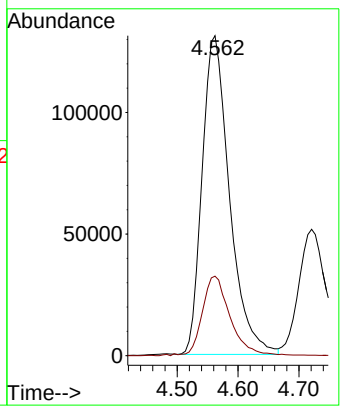





#25
2-Butanone
Concen: 568.810 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 40996

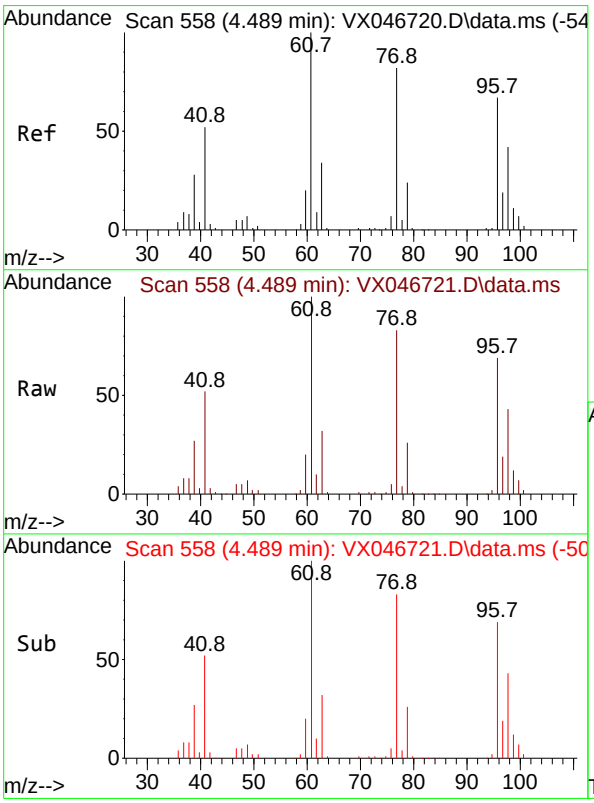
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

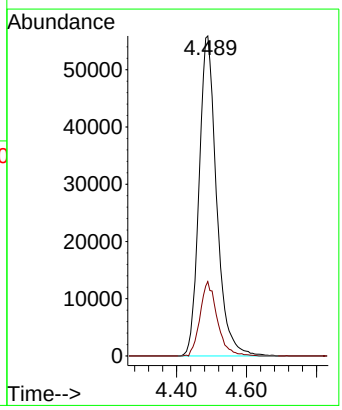
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

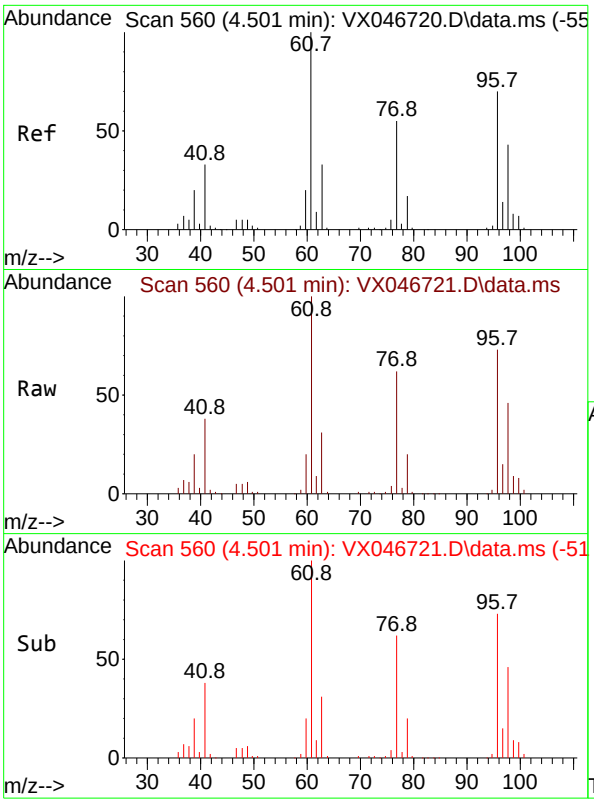



#26
2,2-Dichloropropane
Concen: 110.239 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 77 Resp: 194006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |

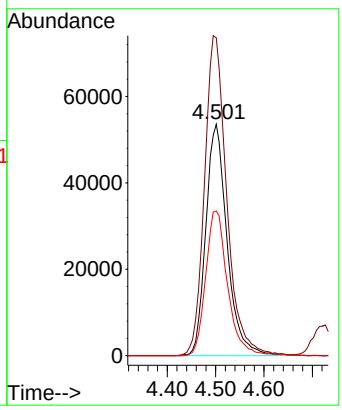





#27
cis-1,2-Dichloroethene
Concen: 106.691 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 96 Resp: 16367

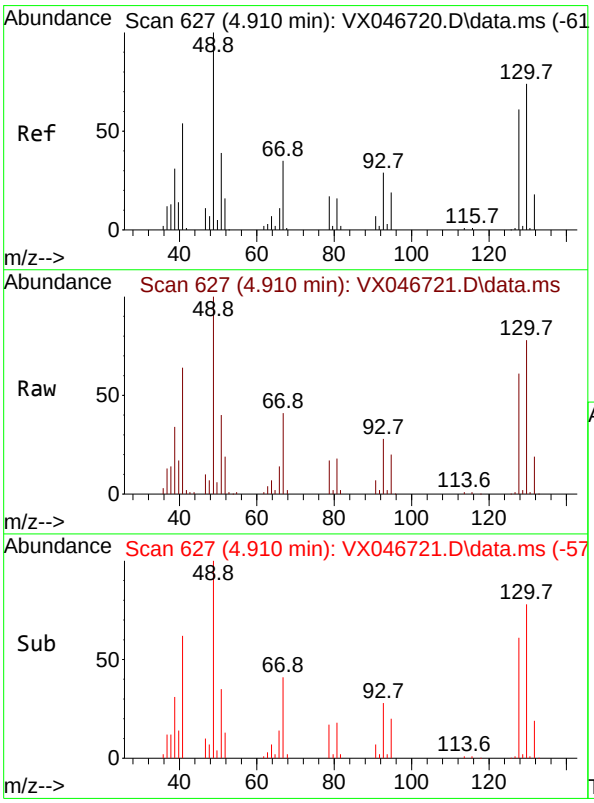
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 0.0 | 291.0 |
| 98 | 64.6 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

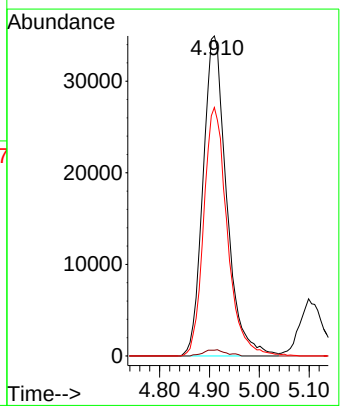
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

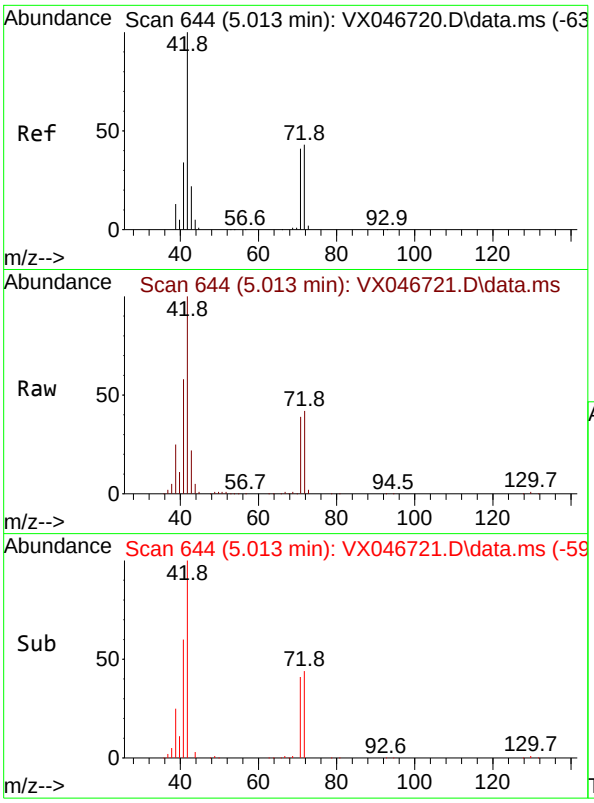



#28
Bromochloromethane
Concen: 104.869 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 49 Resp: 114720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 77.6 | 61.4 | 92.0 |






#29
Tetrahydrofuran
Concen: 569.746 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

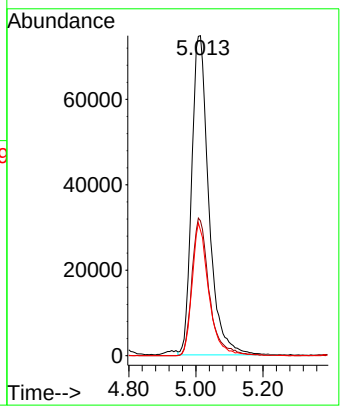
Tgt Ion: 42 Resp: 26523

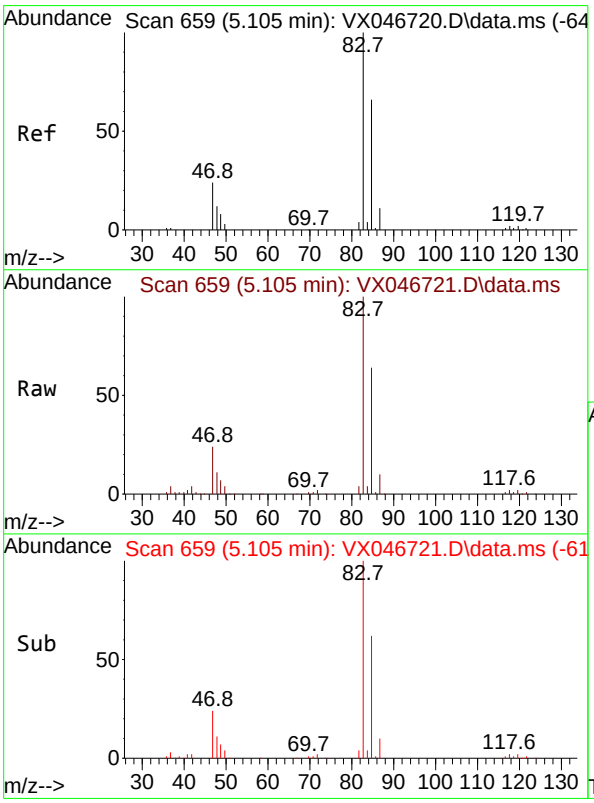
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.5 | 34.9 | 52.3 |
| 71 | 40.2 | 32.2 | 48.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

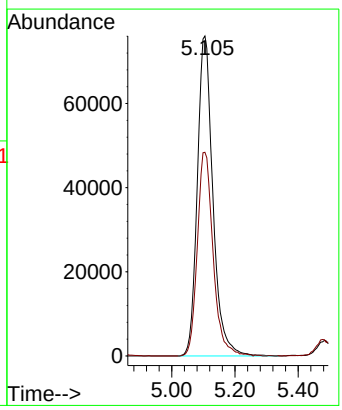


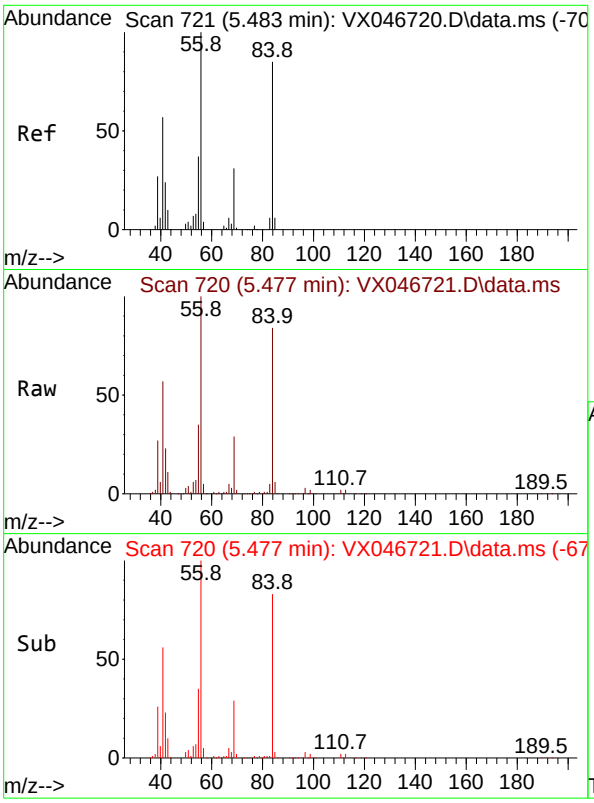




#30
Chloroform
Concen: 108.113 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 83 Resp: 260888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 53.7 | 80.5 |

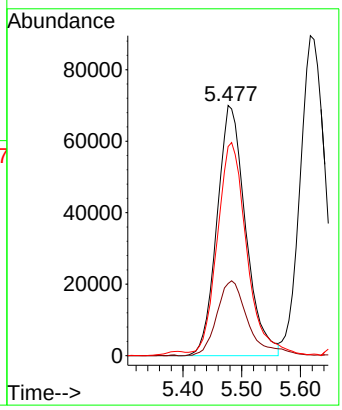





#31
Cyclohexane
Concen: 103.757 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 56 Resp: 23742

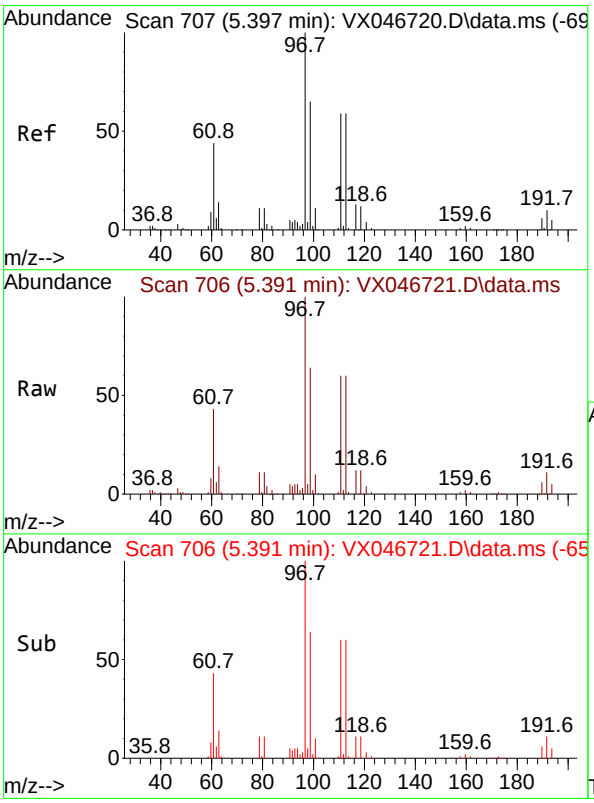
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.9 | 24.8 | 37.2 |
| 84 | 81.9 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

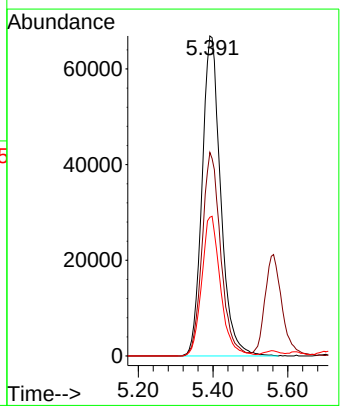
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

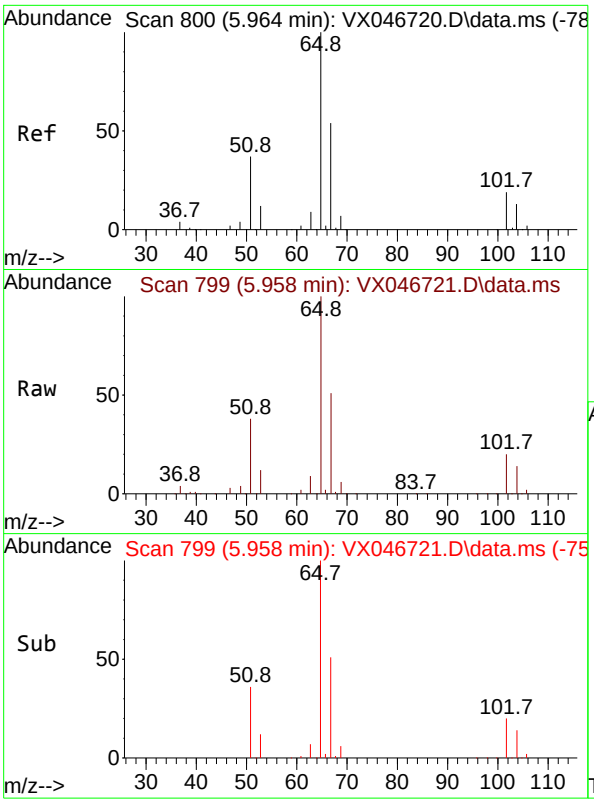



#32
1,1,1-Trichloroethane
Concen: 109.198 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 97 Resp: 231101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 51.3 | 76.9 |
| 61 | 44.1 | 36.4 | 54.6 |

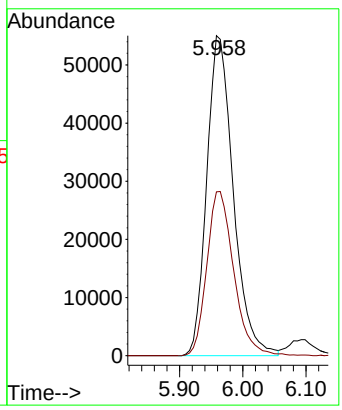





#33
1,2-Dichloroethane-d4
Concen: 105.037 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 65 Resp: 16051

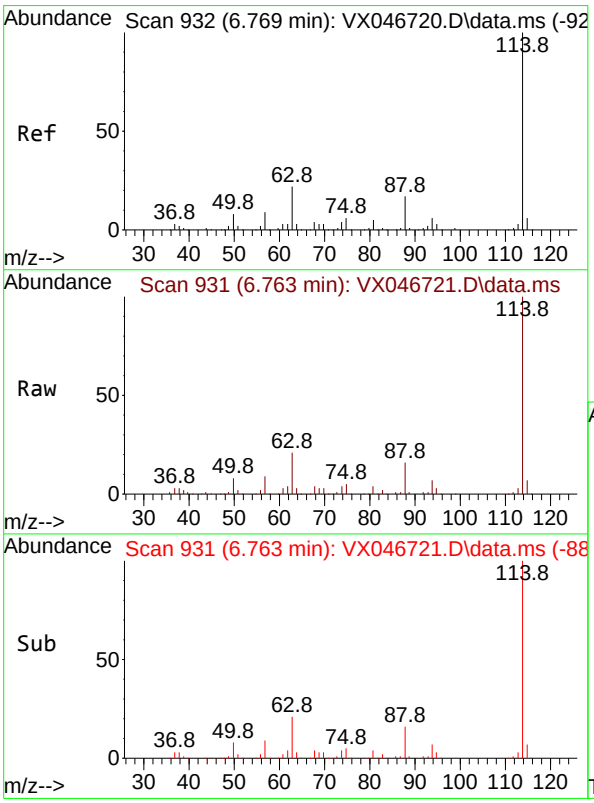
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

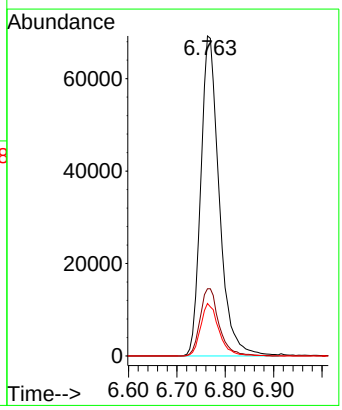
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

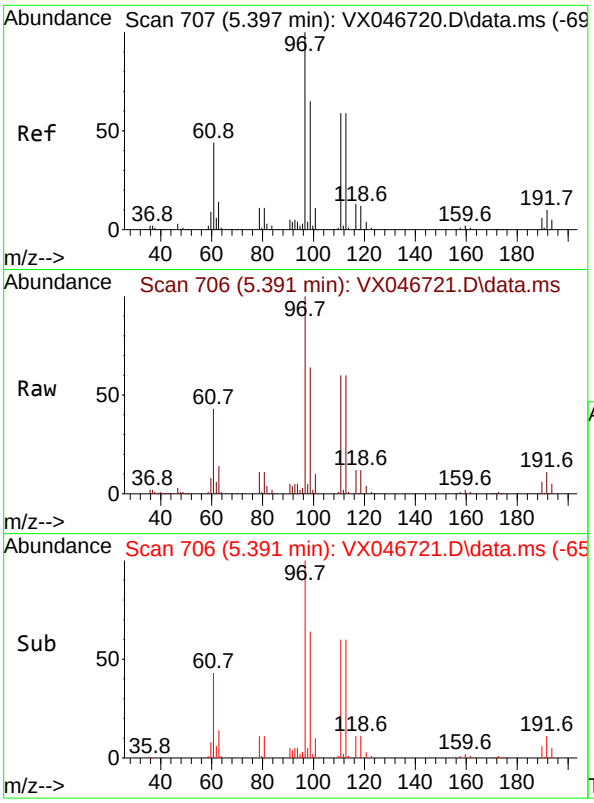



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:114 Resp: 183300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 44.2 |
| 88 | 16.4 | 0.0 | 33.2 |

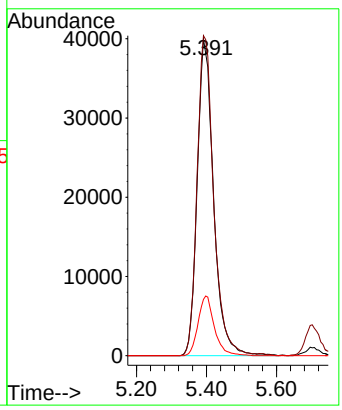





#35
Dibromofluoromethane
Concen: 107.136 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:113 Resp: 12993

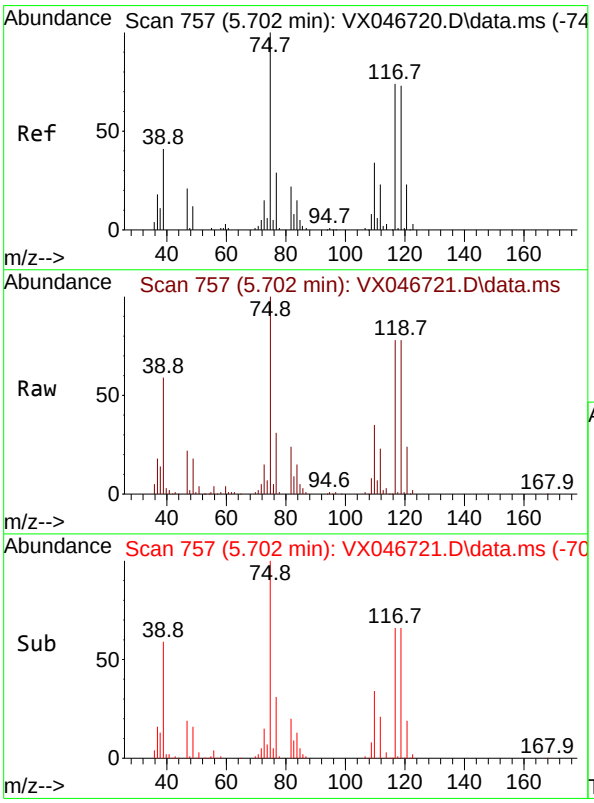
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

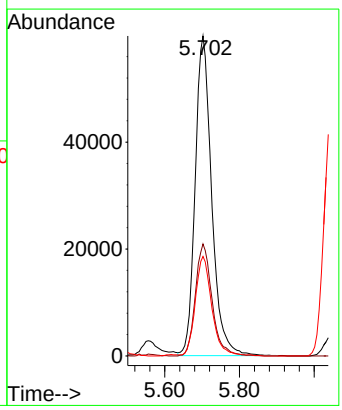
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

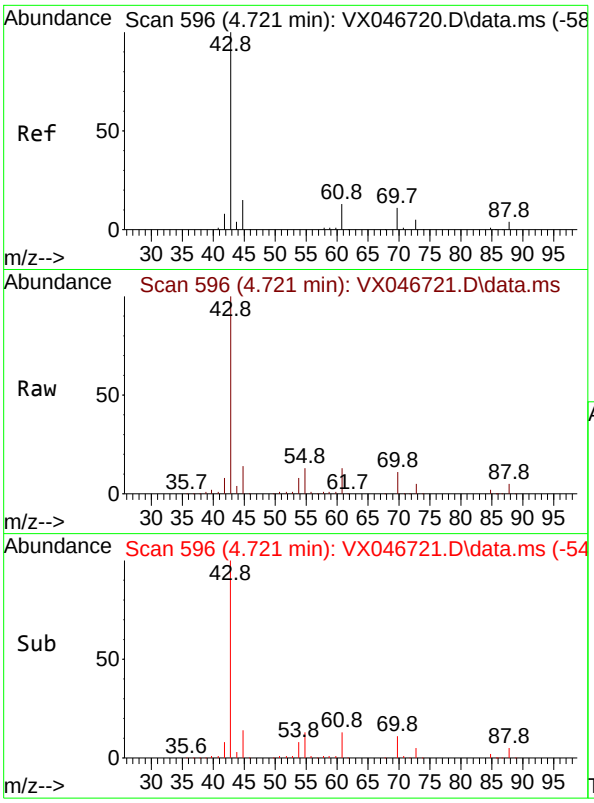



#36
1,1-Dichloropropene
Concen: 104.733 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 183355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.2 | 51.5 |
| 77 | 31.2 | 24.2 | 36.4 |

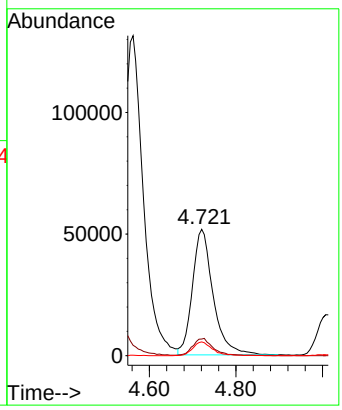





#37
Ethyl Acetate
Concen: 106.094 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 17144

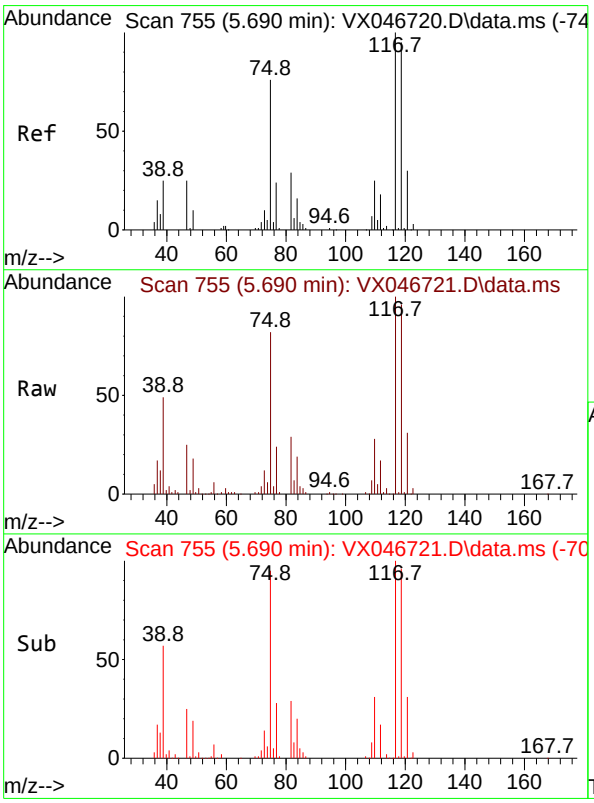
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 9.7 | 14.5 |
| 70 | 10.4 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

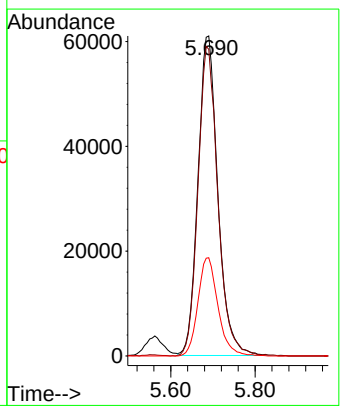
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

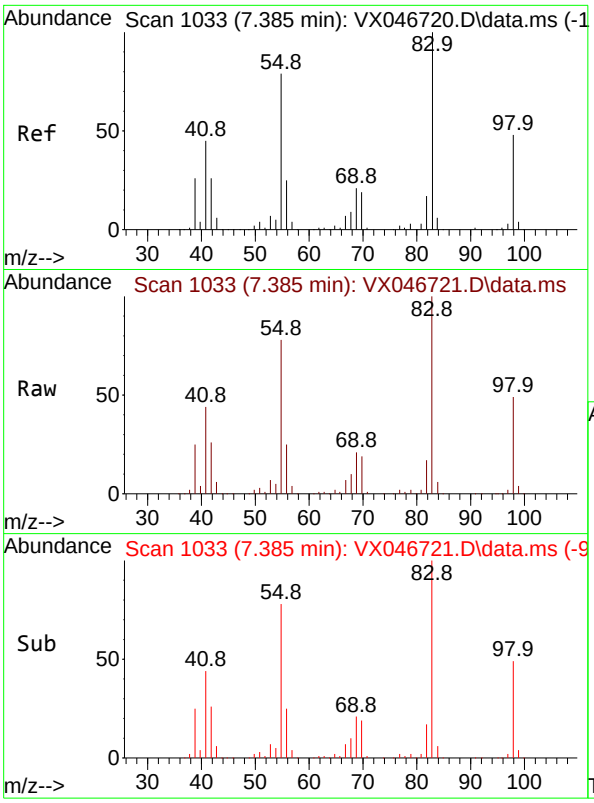



#38
Carbon Tetrachloride
Concen: 105.749 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:117 Resp: 200914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.2 | 112.8 |
| 121 | 30.8 | 24.1 | 36.1 |

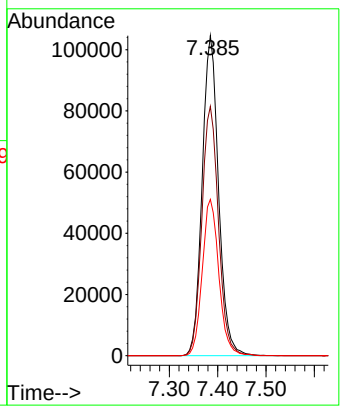





#39
Methylcyclohexane
Concen: 106.902 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 83 Resp: 24627

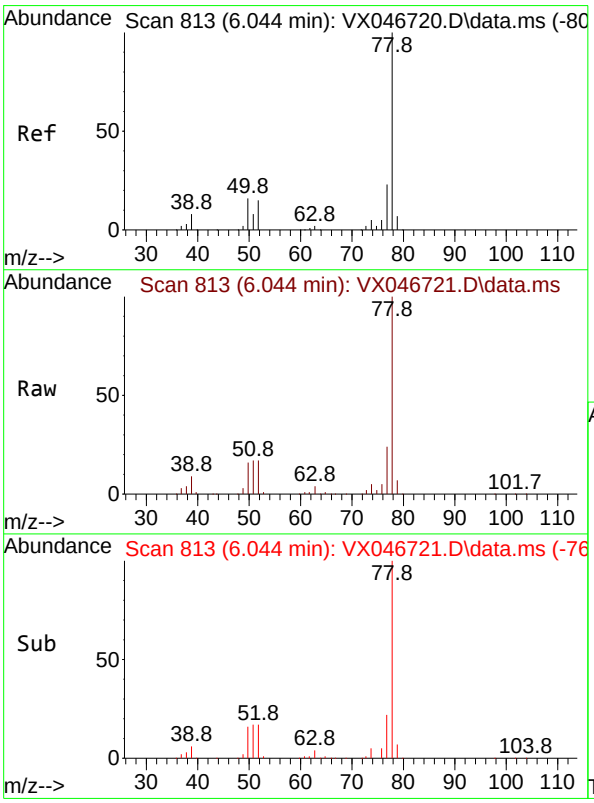
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 63.0 | 94.4 |
| 98 | 48.8 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

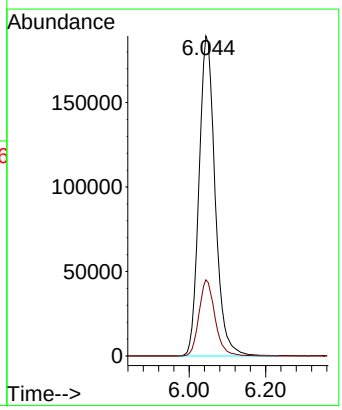
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

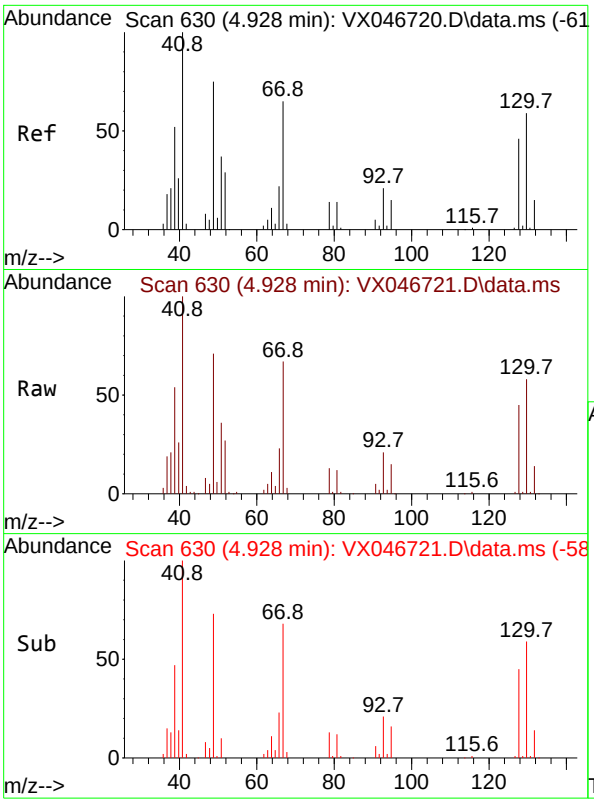



#40
Benzene
Concen: 106.798 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 78 Resp: 553336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |

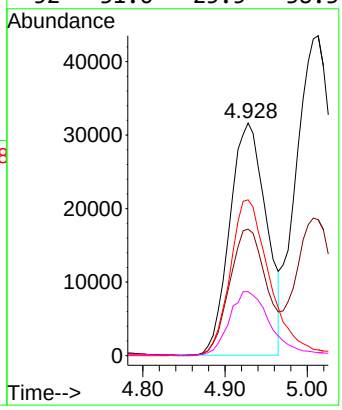





#41
Methacrylonitrile
Concen: 113.502 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 41 Resp: 9778

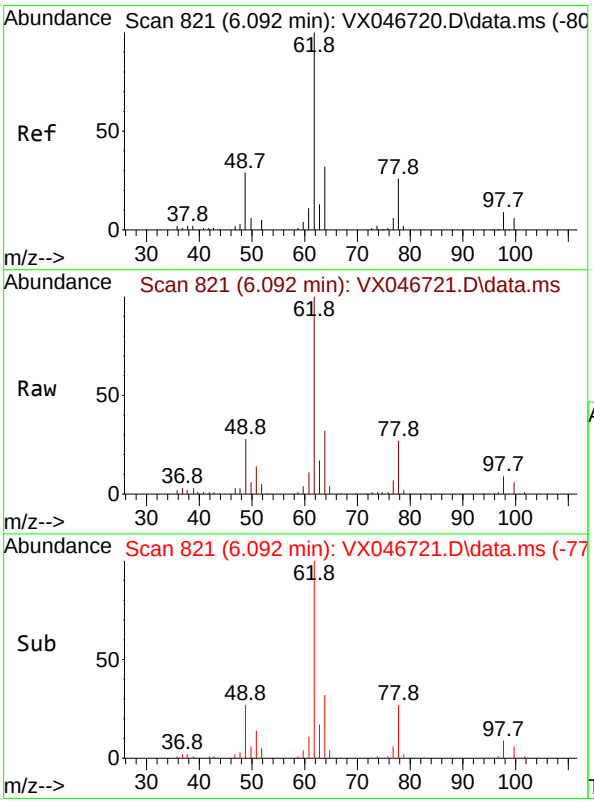
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 45.9 | 68.9 |
| 67 | 73.6 | 61.2 | 91.8 |
| 52 | 31.6 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

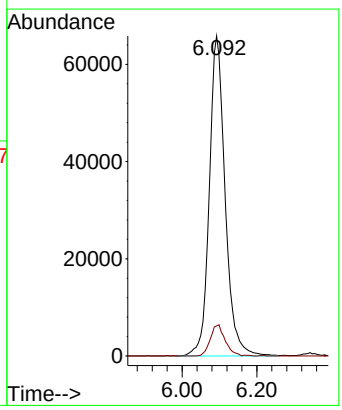
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

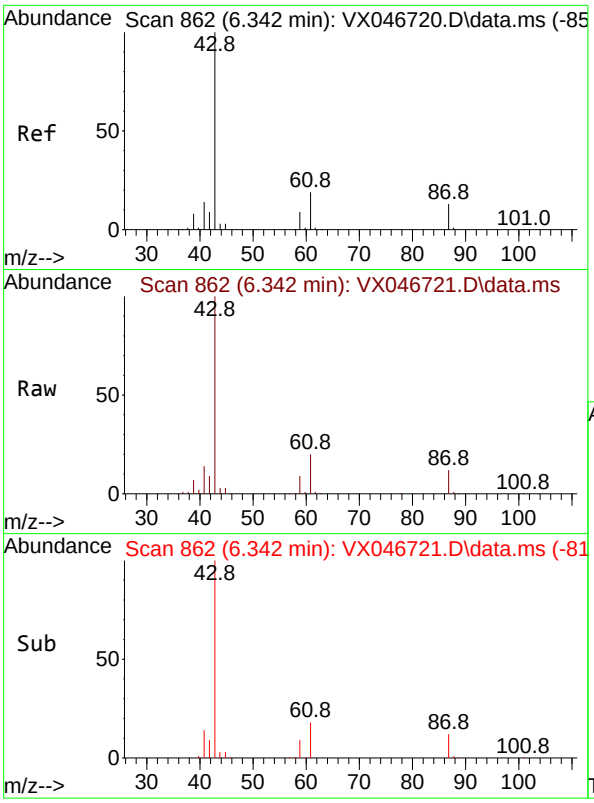



#42
1,2-Dichloroethane
Concen: 106.278 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 62 Resp: 193498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.8 |

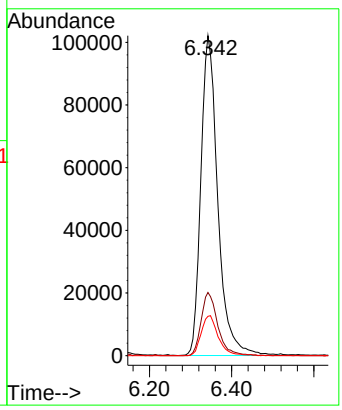





#43
Isopropyl Acetate
Concen: 115.264 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 29146

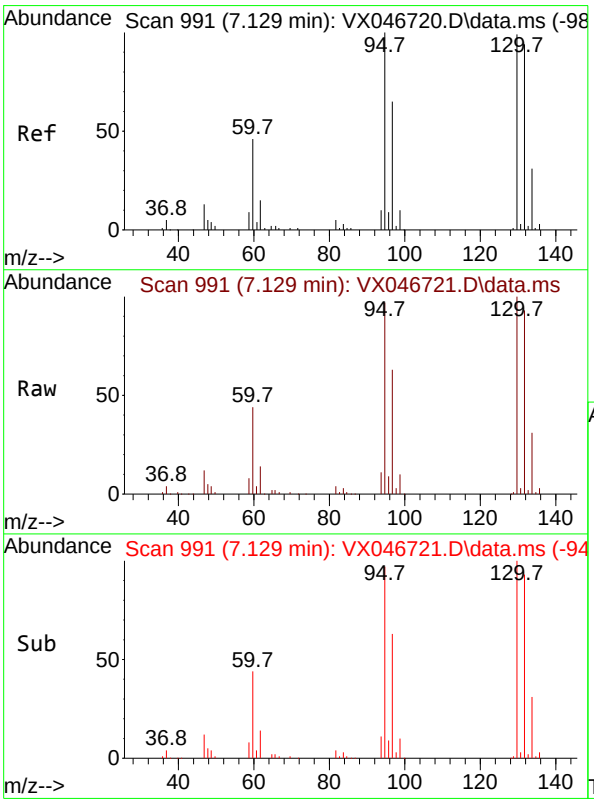
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

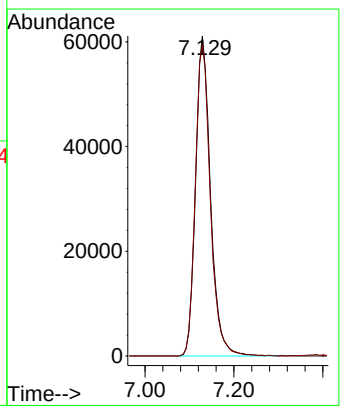
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

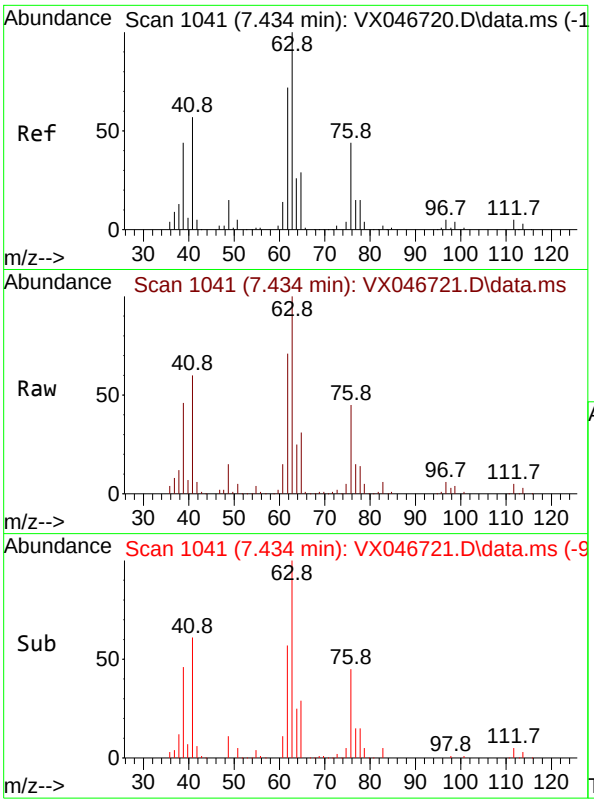



#44
Trichloroethene
Concen: 108.043 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:130 Resp: 142659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 202.6 |

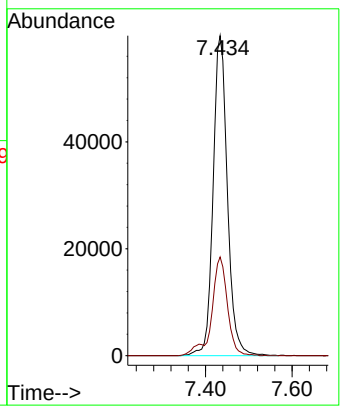





#45
1,2-Dichloropropane
Concen: 106.920 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 63 Resp: 13729

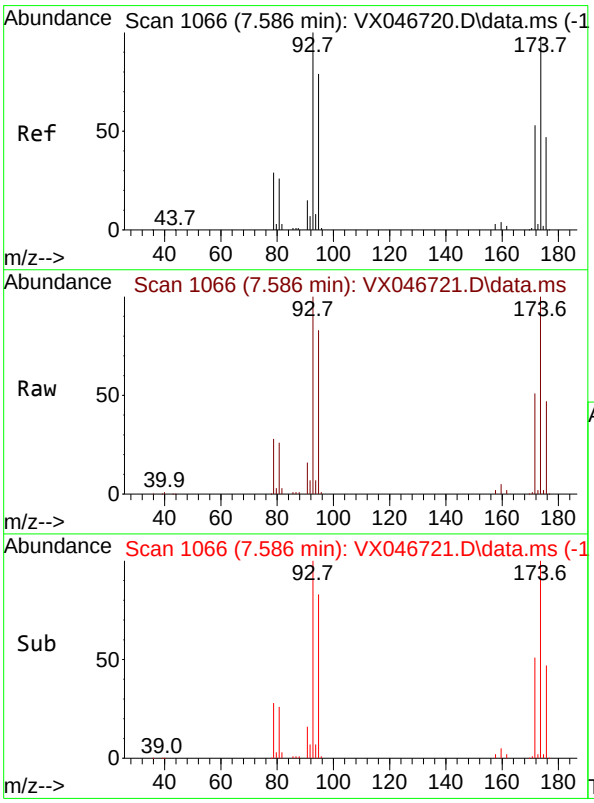
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

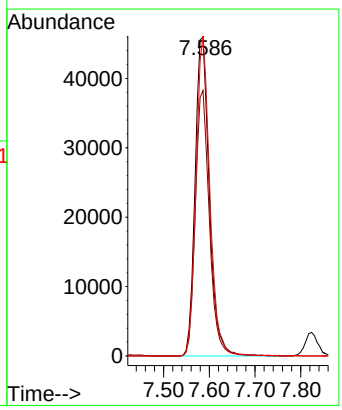
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

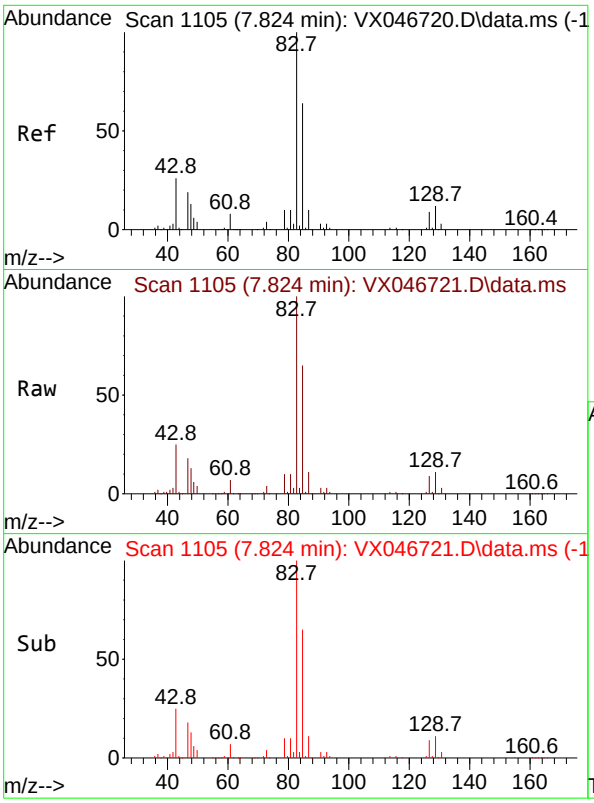



#46
Dibromomethane
Concen: 107.240 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 93 Resp: 98964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 66.2 | 99.4 |
| 174 | 97.4 | 77.0 | 115.6 |

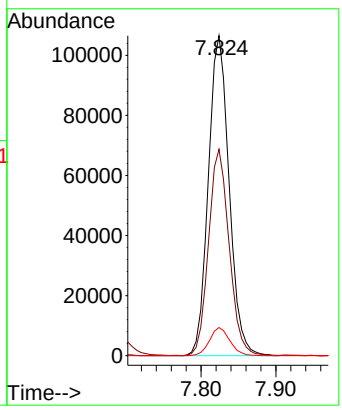





#47
Bromodichloromethane
Concen: 109.319 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 83 Resp: 20587

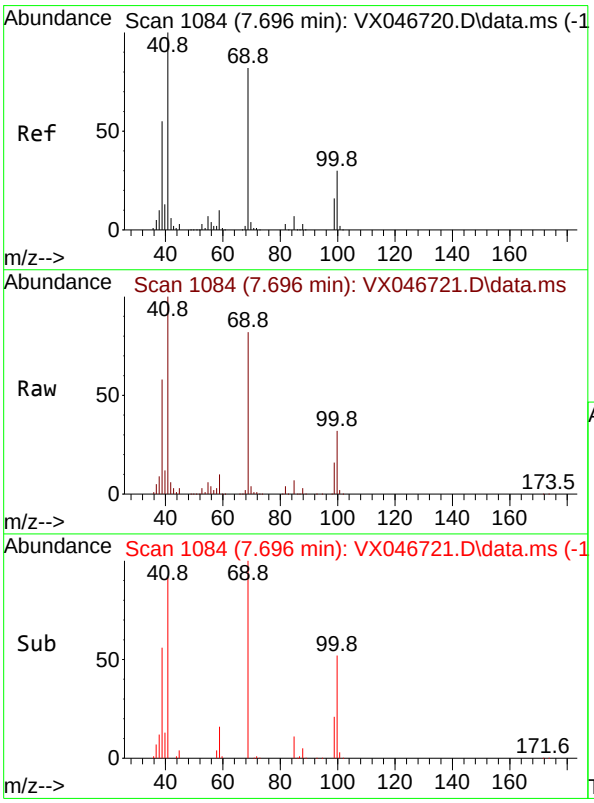
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 51.4 | 77.2 |
| 127 | 8.8 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

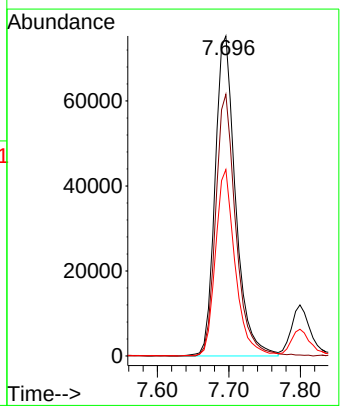
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

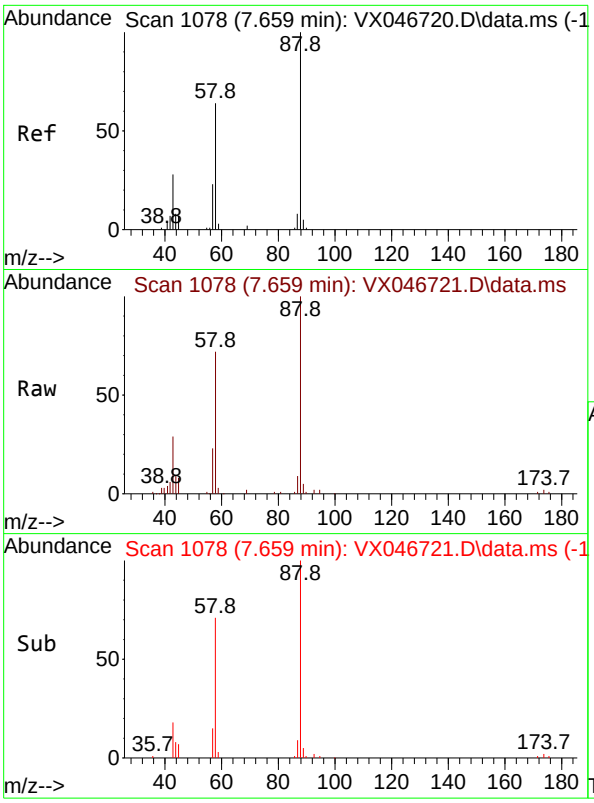



#48
Methyl methacrylate
Concen: 118.279 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 41 Resp: 150002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.4 | 63.4 | 95.2 |
| 39 | 56.2 | 45.4 | 68.0 |

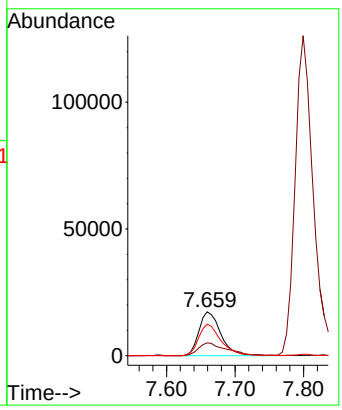





#49
1,4-Dioxane
Concen: 2040.447 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 88 Resp: 3820

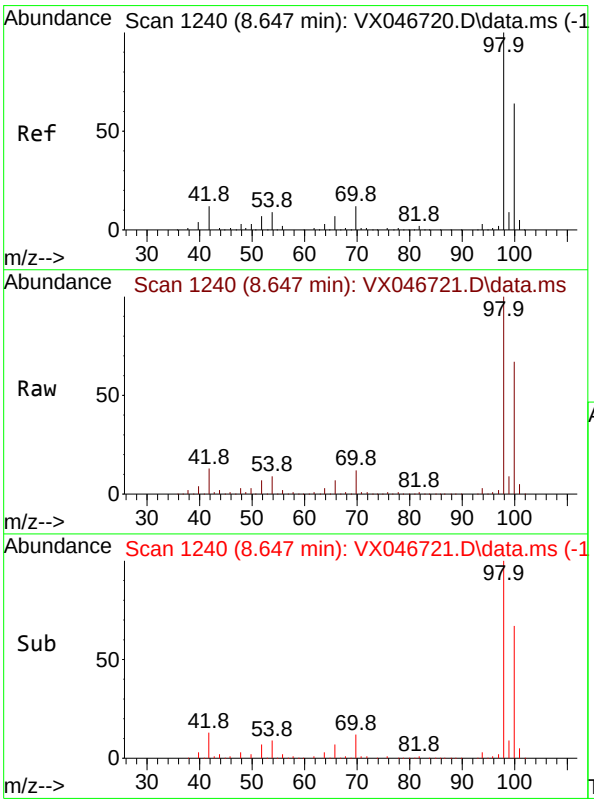
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 31.2 | 46.8 |
| 58 | 73.7 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

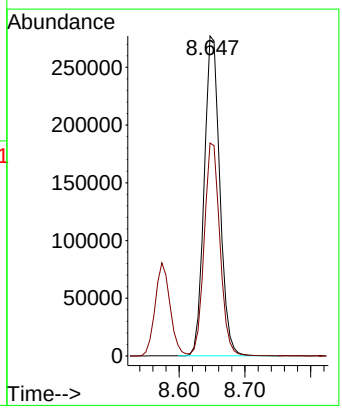
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

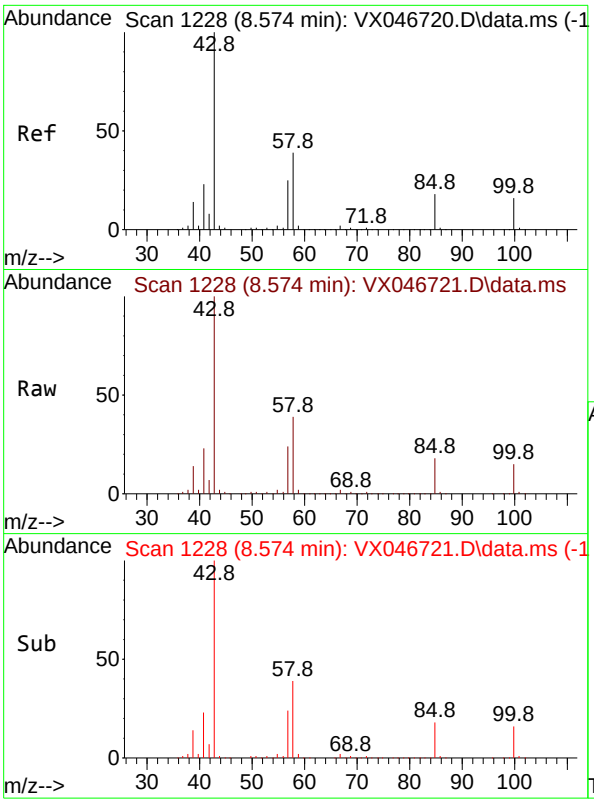



#50
Toluene-d8
Concen: 105.153 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 98 Resp: 458174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 53.0 | 79.4 |

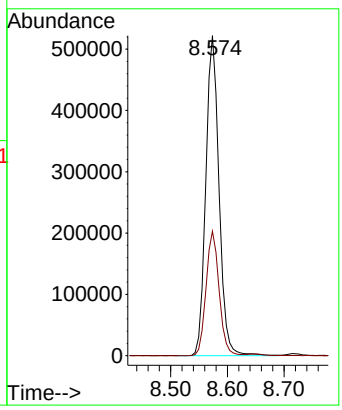





#51
4-Methyl-2-Pentanone
Concen: 559.584 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 84394

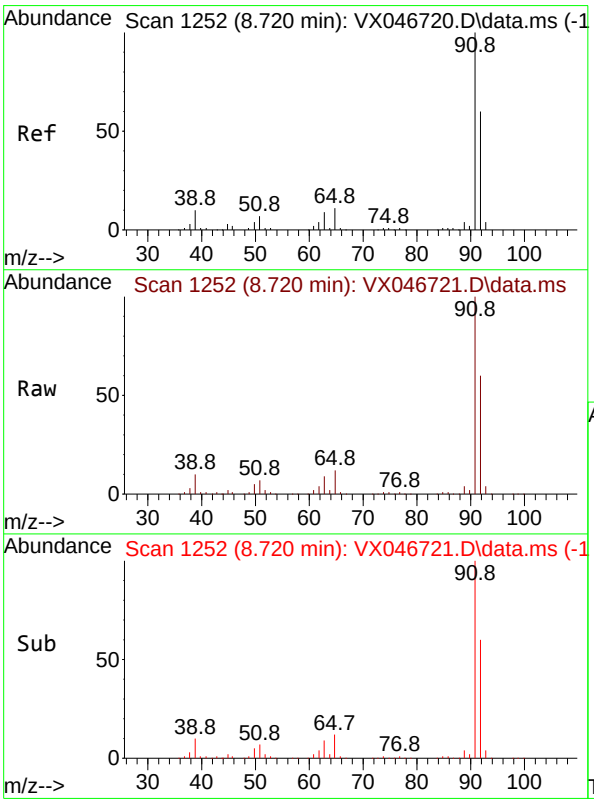
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

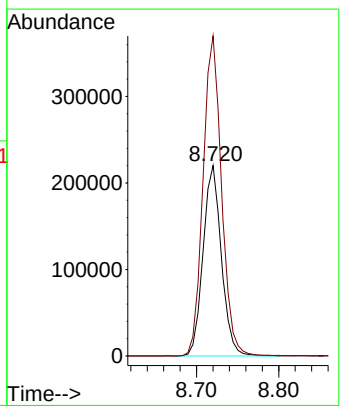
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

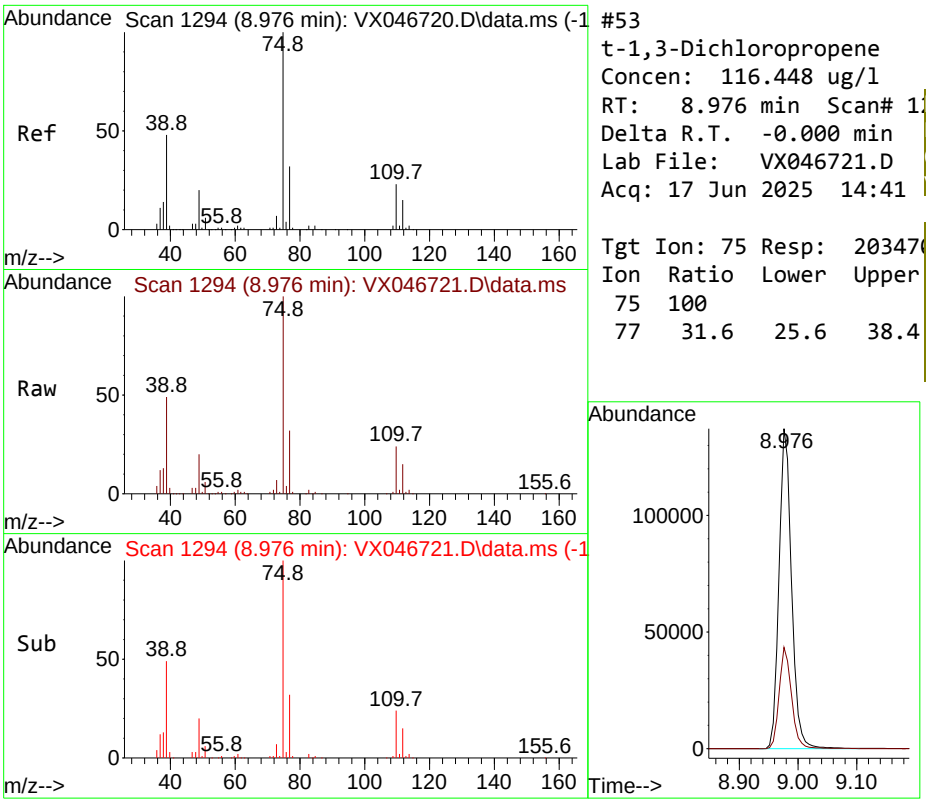



#52
Toluene
Concen: 105.772 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 92 Resp: 339735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 134.8 | 202.2 |






#53
t-1,3-Dichloropropene
Concen: 116.448 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 20347

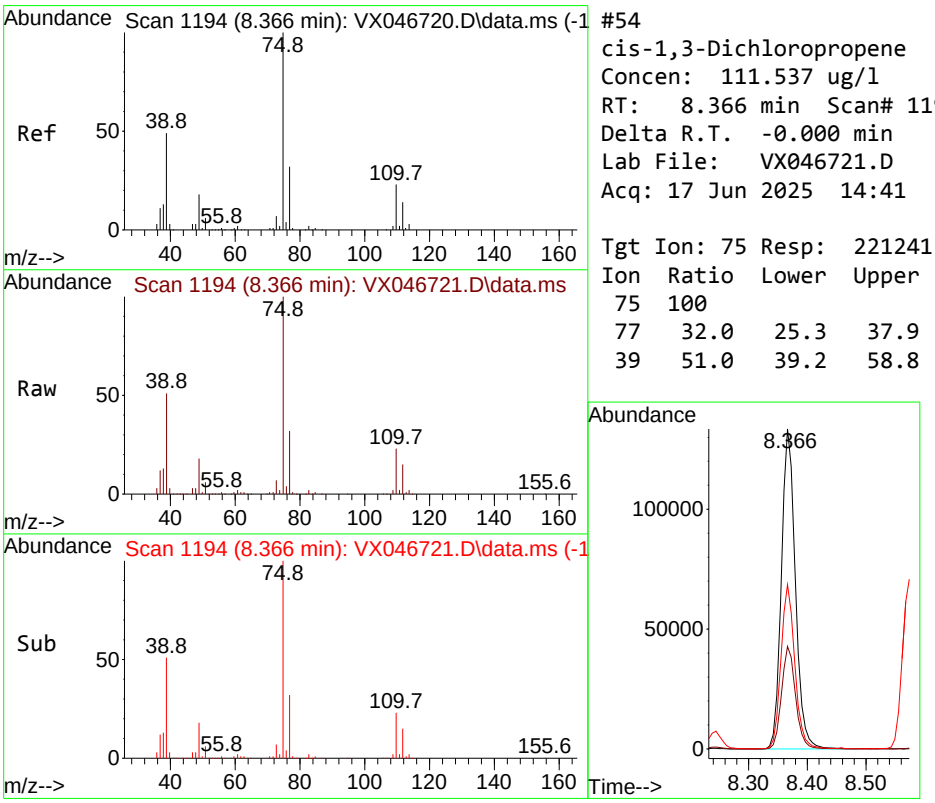
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

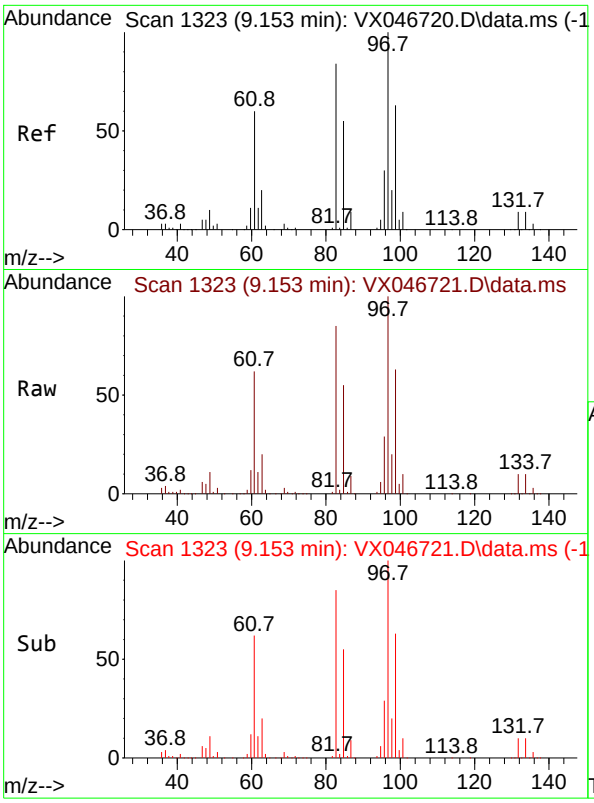
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#54
cis-1,3-Dichloropropene
Concen: 111.537 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 221241

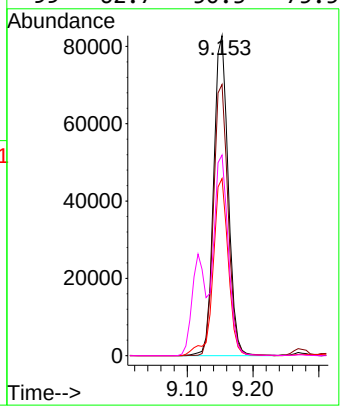
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.3 | 37.9 |
| 39 | 51.0 | 39.2 | 58.8 |




#55
1,1,2-Trichloroethane
Concen: 106.264 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 97 Resp: 12719

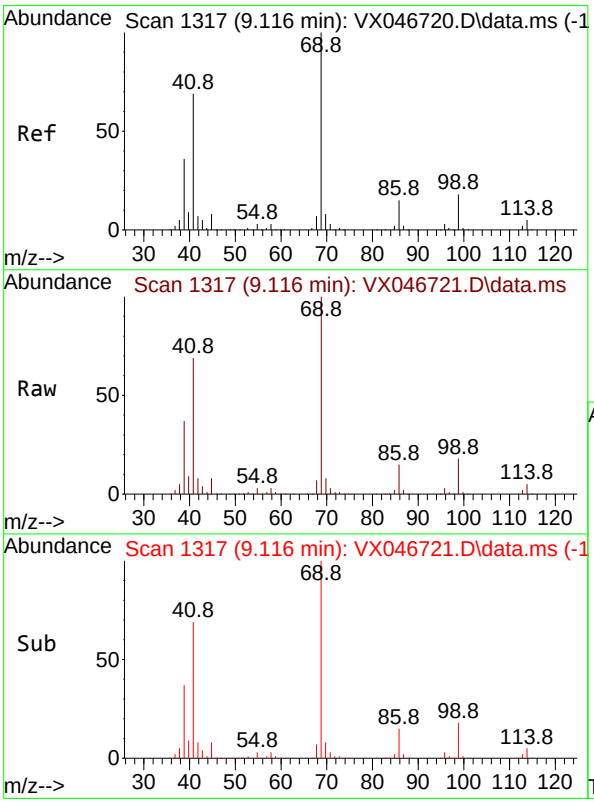
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.7 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 62.7 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

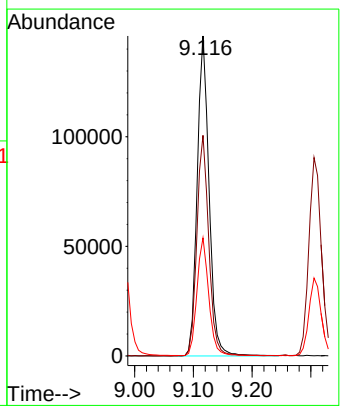
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

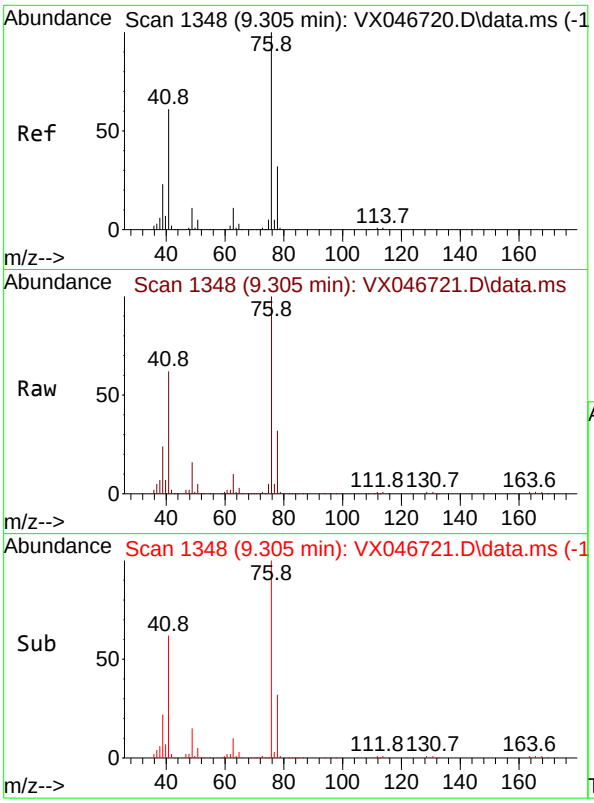



#56
Ethyl methacrylate
Concen: 116.106 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 69 Resp: 205153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 55.4 | 83.2 |
| 39 | 36.9 | 29.7 | 44.5 |

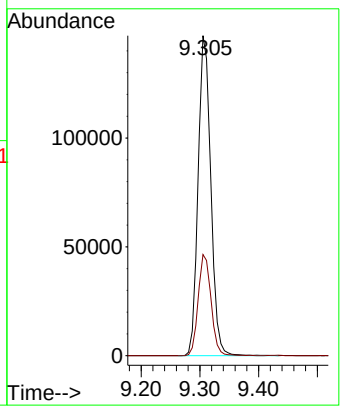





#57
1,3-Dichloropropane
Concen: 106.740 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 76 Resp: 22002

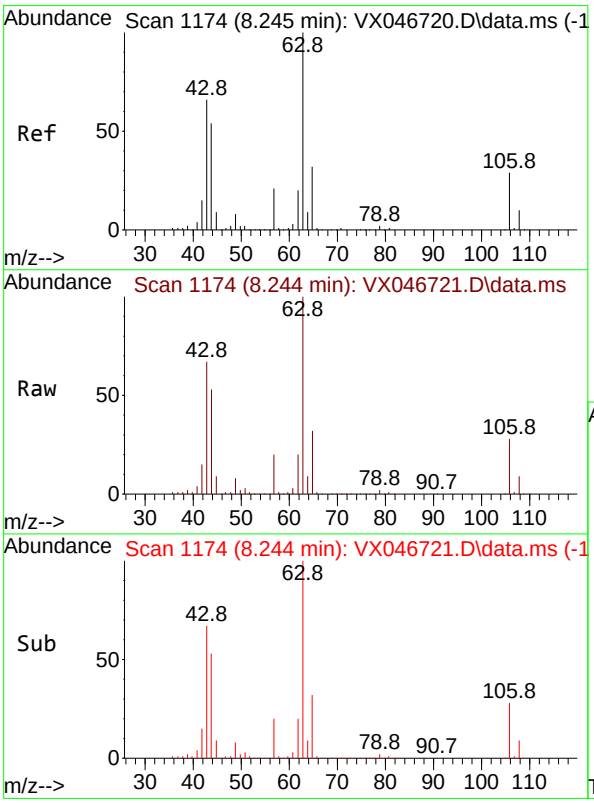
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

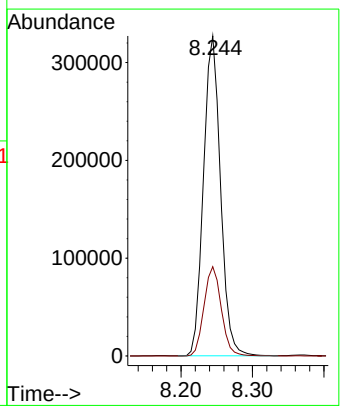
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

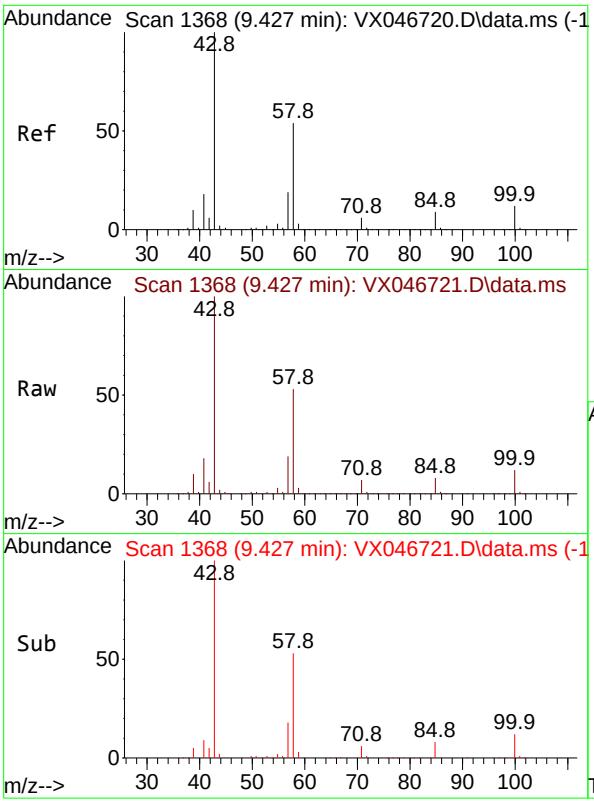



#58
2-Chloroethyl Vinyl ether
Concen: 590.219 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 63 Resp: 541734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |

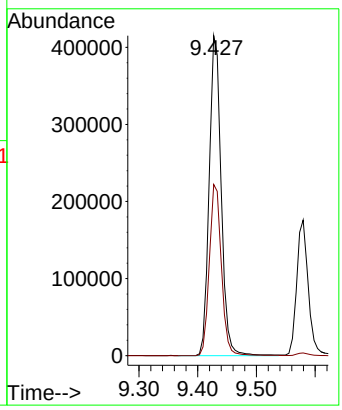





#59
2-Hexanone
Concen: 563.200 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 58722

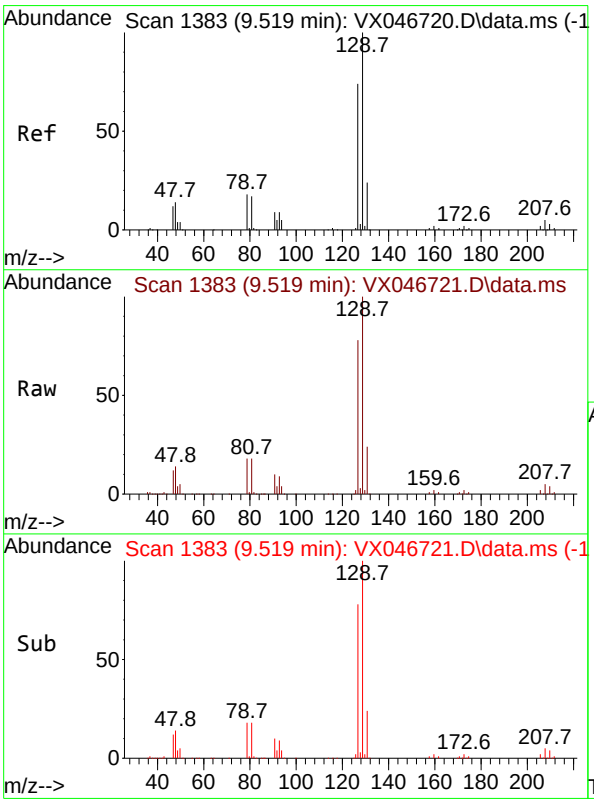
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.0 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

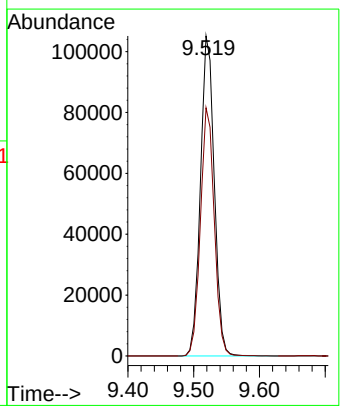
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

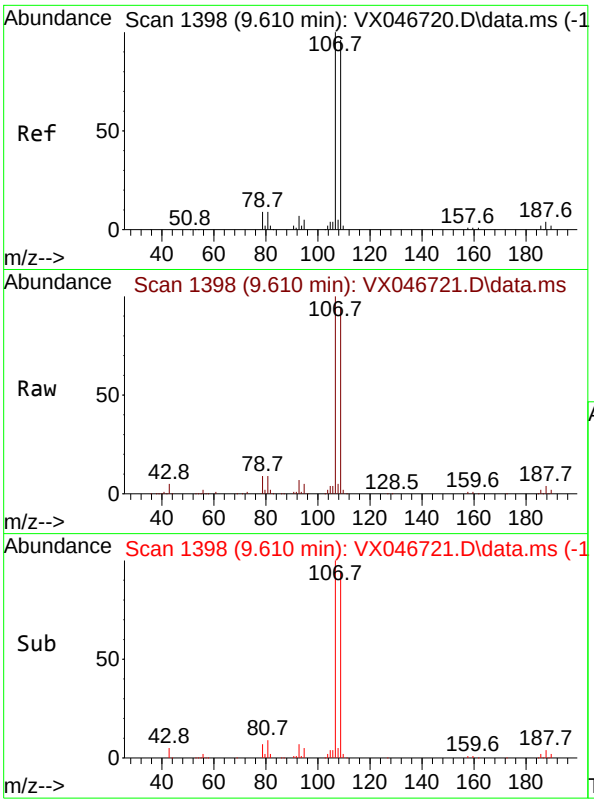



#60
Dibromochloromethane
Concen: 108.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:129 Resp: 153731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 109.444 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

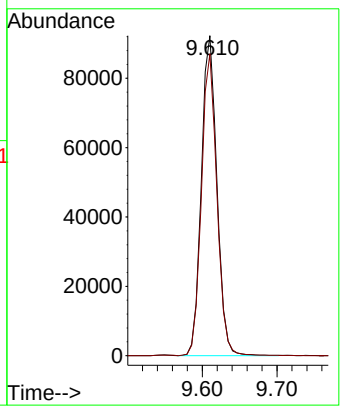
Tgt Ion:107 Resp: 13325

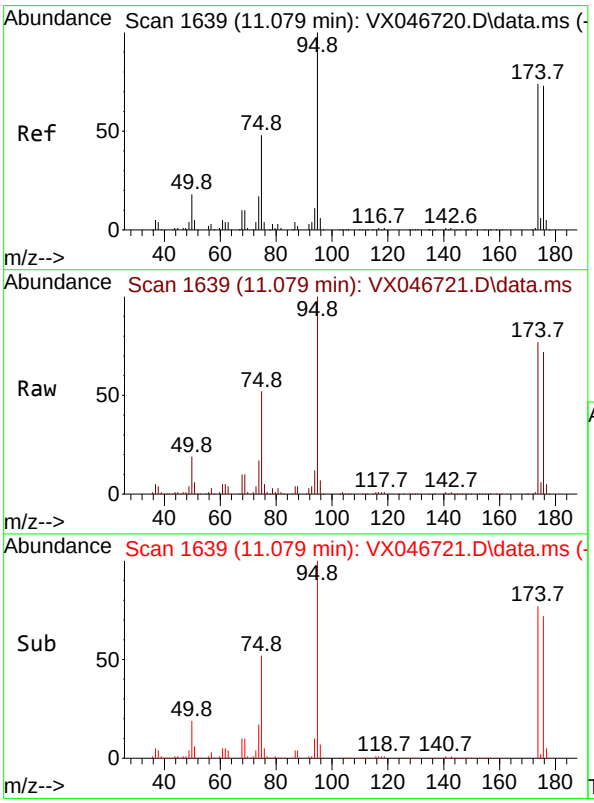
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.8 | 113.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

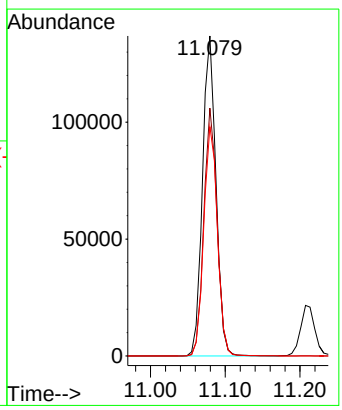


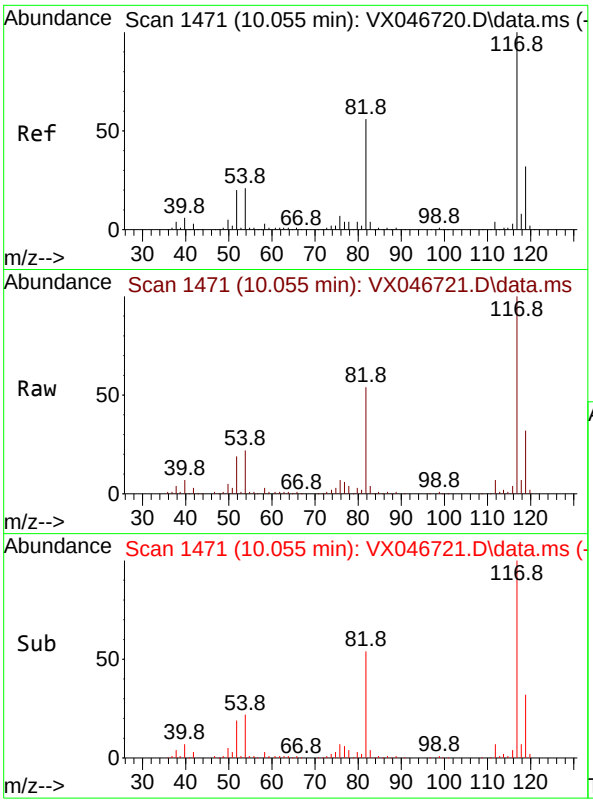




#62
4-Bromofluorobenzene
Concen: 105.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 95 Resp: 170795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 150.4 |
| 176 | 72.7 | 0.0 | 145.0 |

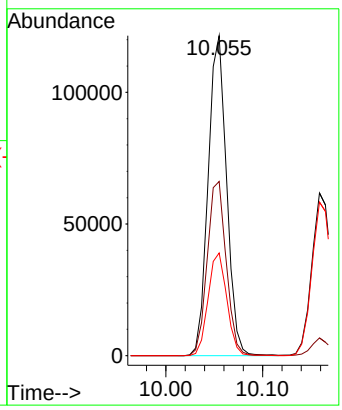





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:117 Resp: 16086

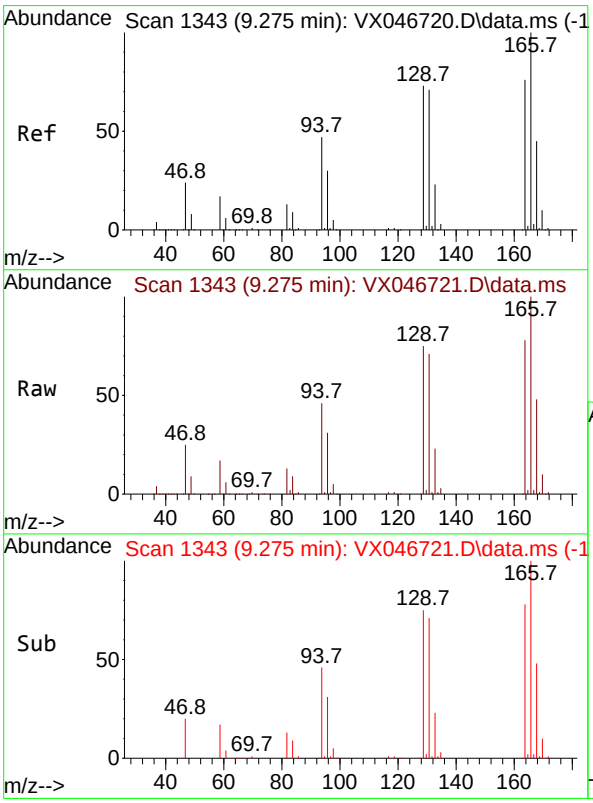
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

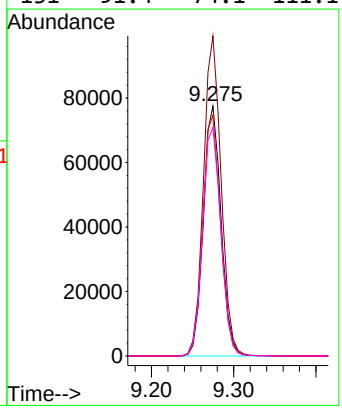
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

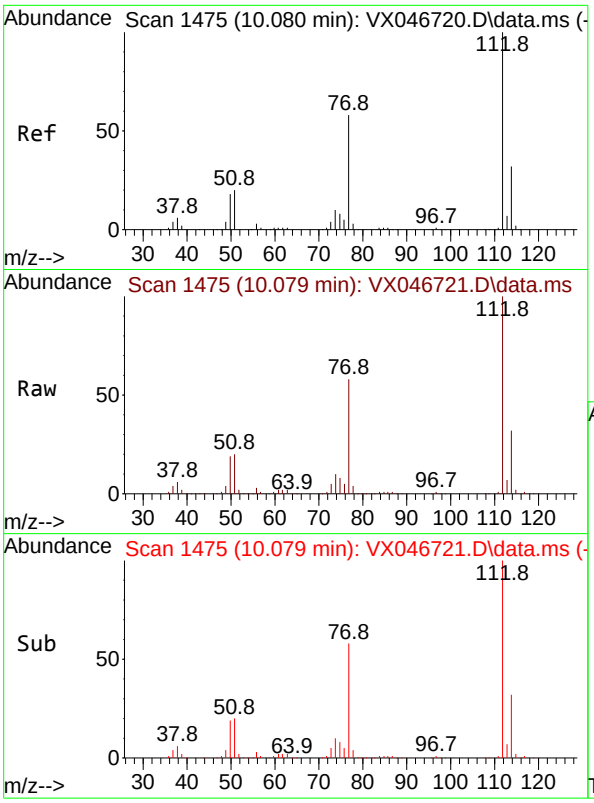



#64
Tetrachloroethene
Concen: 103.876 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:164 Resp: 115774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 104.6 | 157.0 |
| 129 | 96.2 | 76.3 | 114.5 |
| 131 | 91.4 | 74.1 | 111.1 |

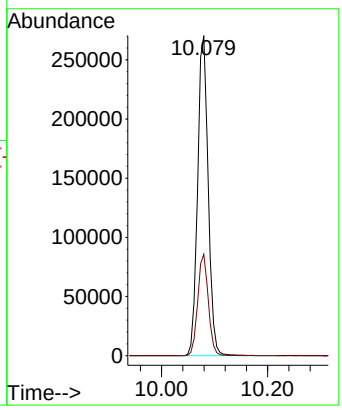





#65
Chlorobenzene
Concen: 105.577 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:112 Resp: 37491

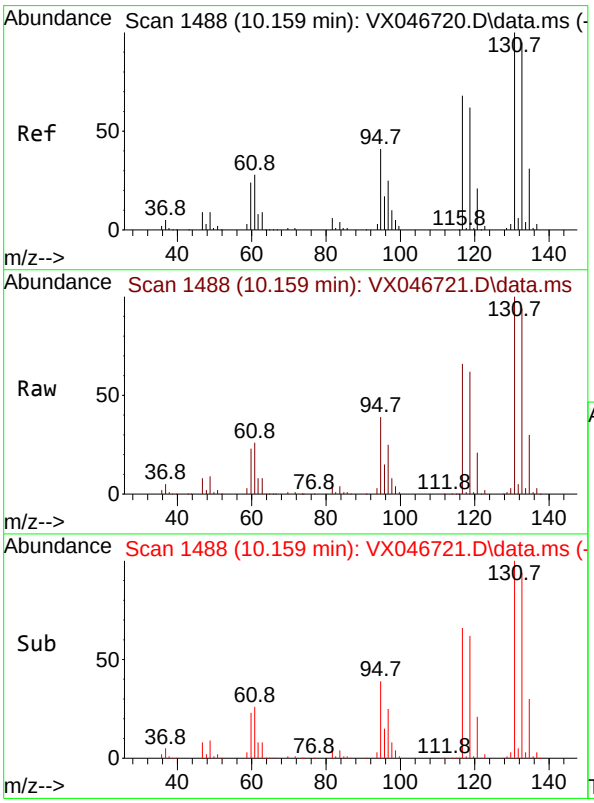
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

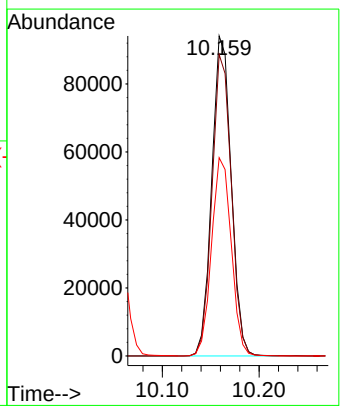
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

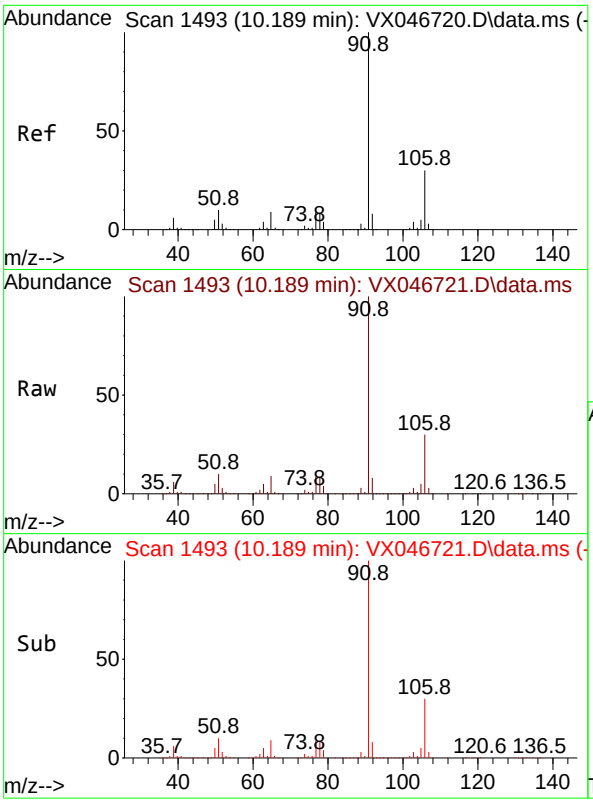



#66
1,1,1,2-Tetrachloroethane
Concen: 109.876 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:131 Resp: 131134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.8 | 47.3 | 141.8 |
| 119 | 63.0 | 32.1 | 96.3 |

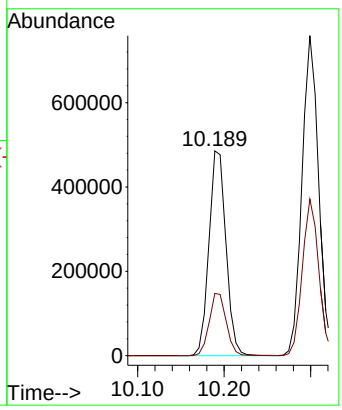





#67
Ethyl Benzene
Concen: 106.914 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 66336

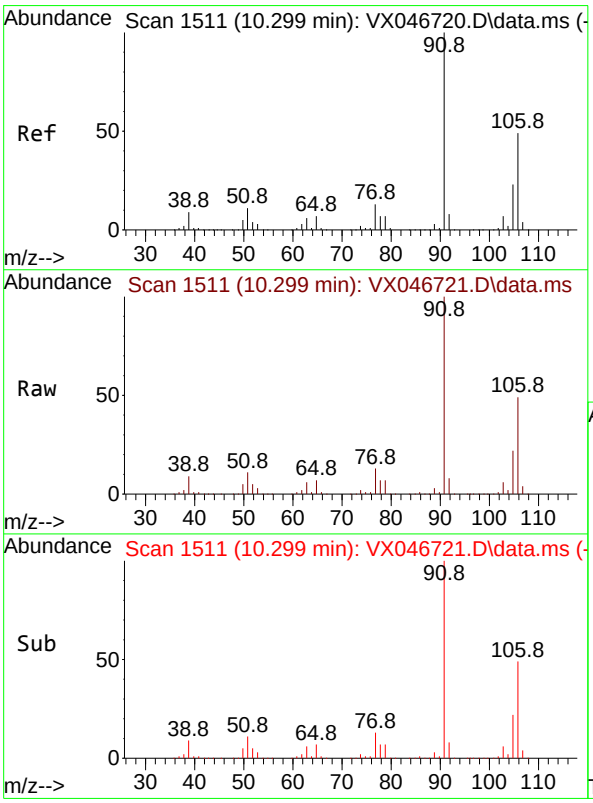
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

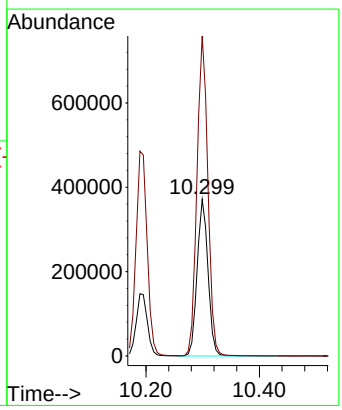
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

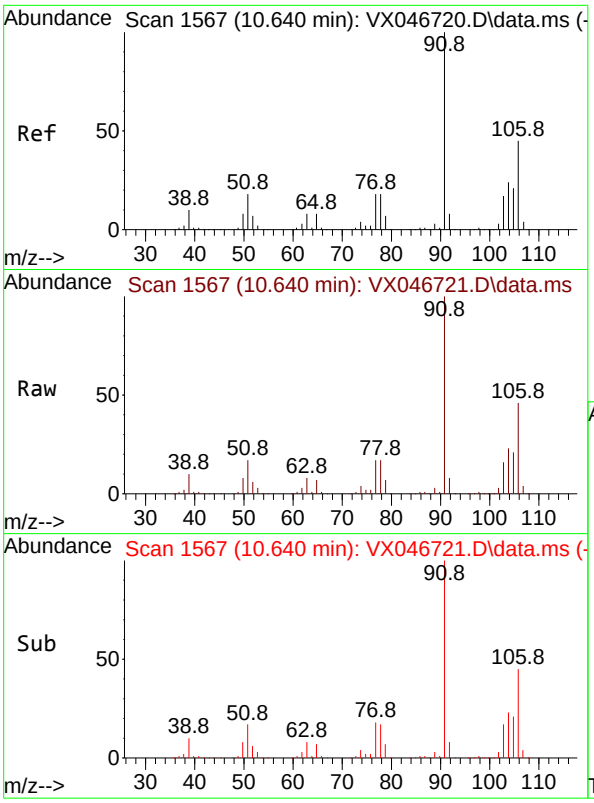



#68
m/p-Xylenes
Concen: 213.003 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:106 Resp: 492448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.0 | 164.8 | 247.2 |

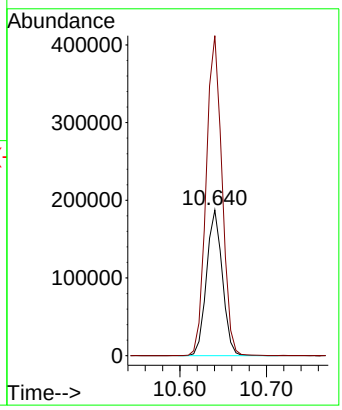





#69
o-Xylene
Concen: 109.675 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:106 Resp: 23763

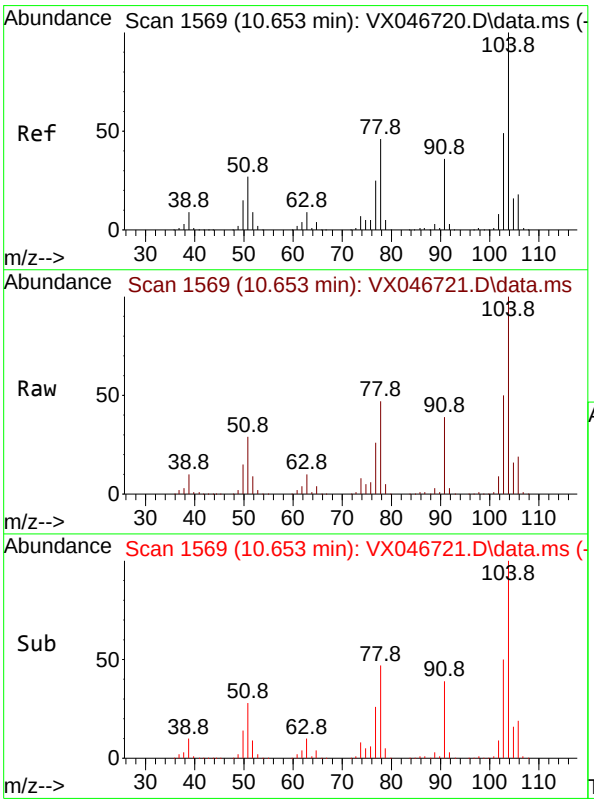
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.5 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

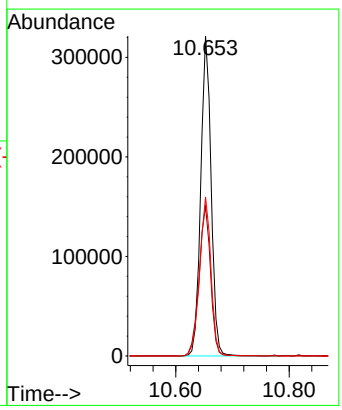
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

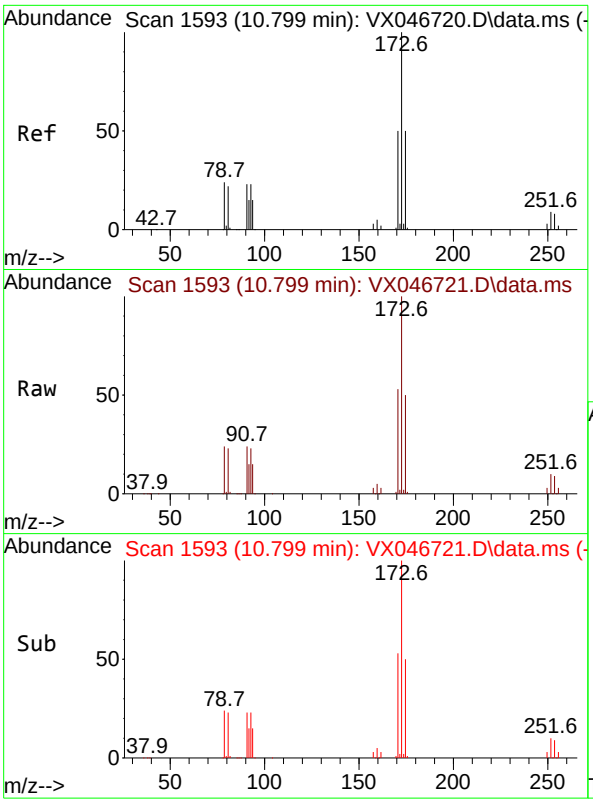



#70
Styrene
Concen: 107.488 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:104 Resp: 407566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 41.4 | 62.2 |
| 103 | 54.3 | 43.1 | 64.7 |

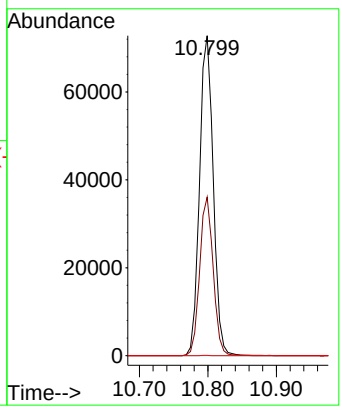





#71
Bromoform
Concen: 111.485 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:173 Resp: 10132

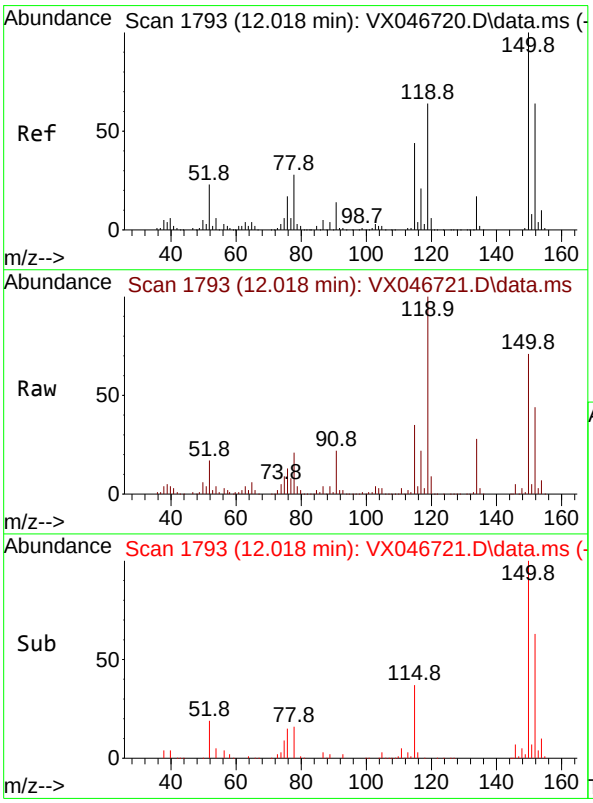
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

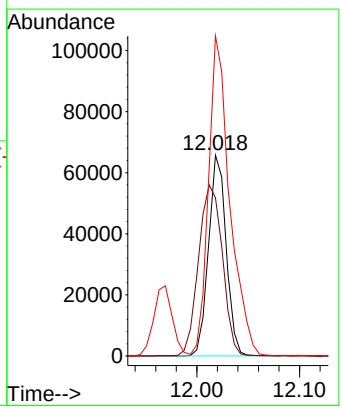
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

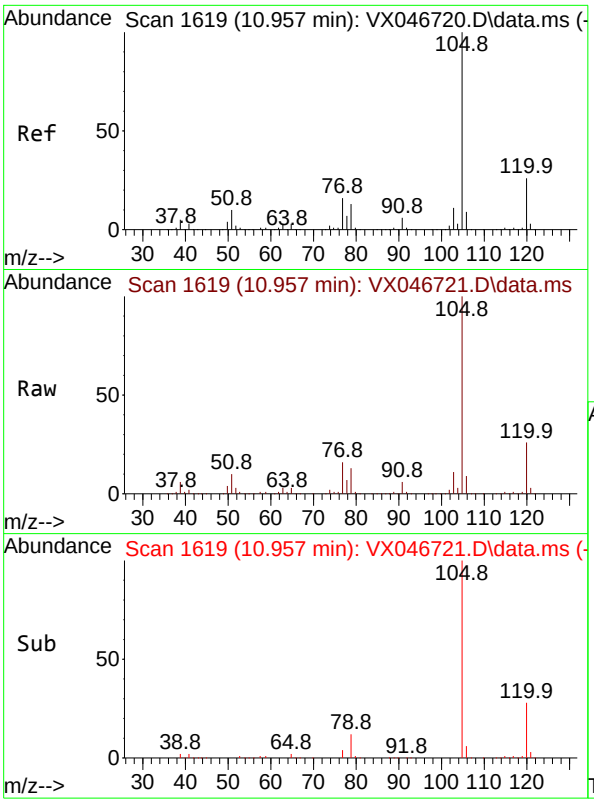



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:152 Resp: 78522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 115.4 | 43.2 | 129.6 |
| 150 | 191.6 | 0.0 | 346.8 |

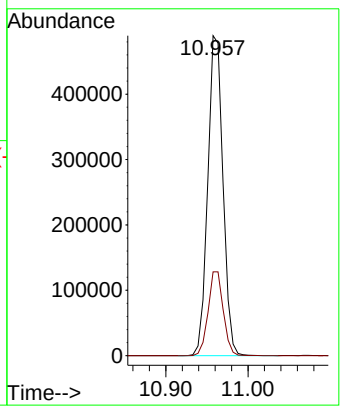





#73
Isopropylbenzene
Concen: 108.731 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 62880

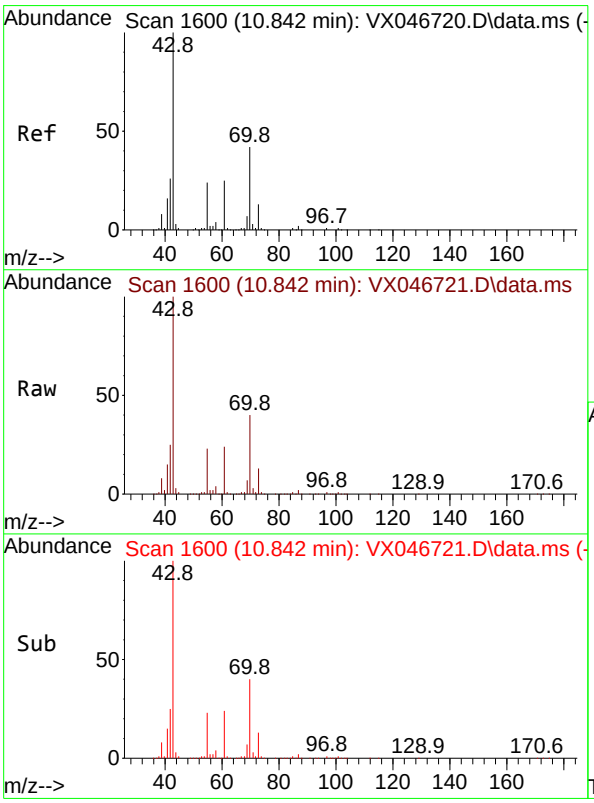
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

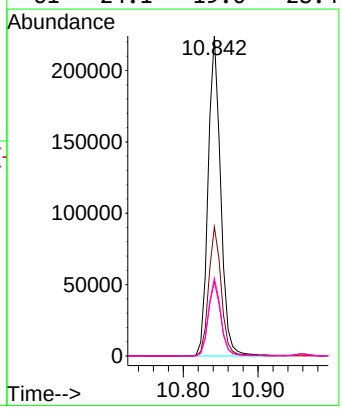
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

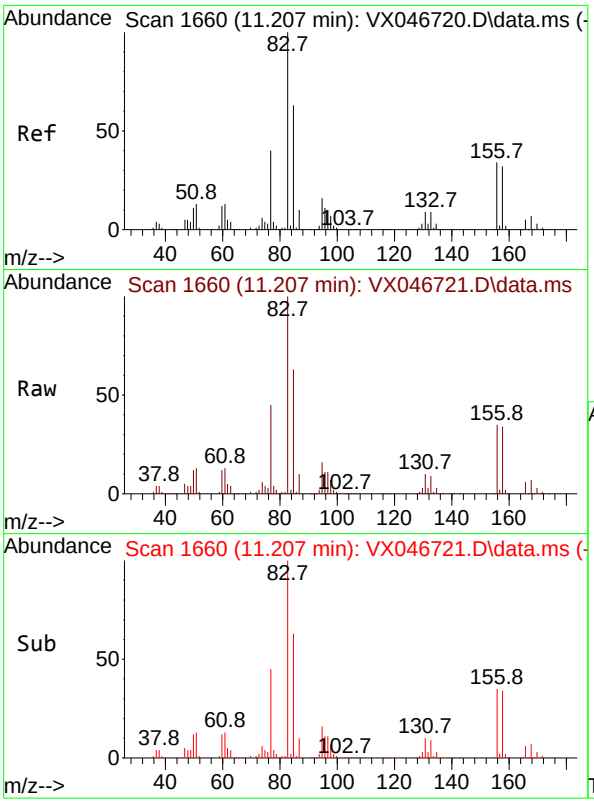



#74
N-amyl acetate
Concen: 118.945 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 260620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 33.4 | 50.0 |
| 55 | 23.2 | 19.1 | 28.7 |
| 61 | 24.1 | 19.0 | 28.4 |

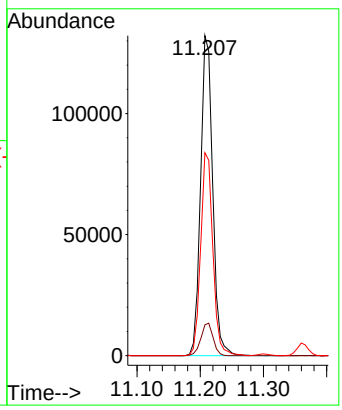





#75
1,1,2,2-Tetrachloroethane
Concen: 109.317 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 83 Resp: 17652

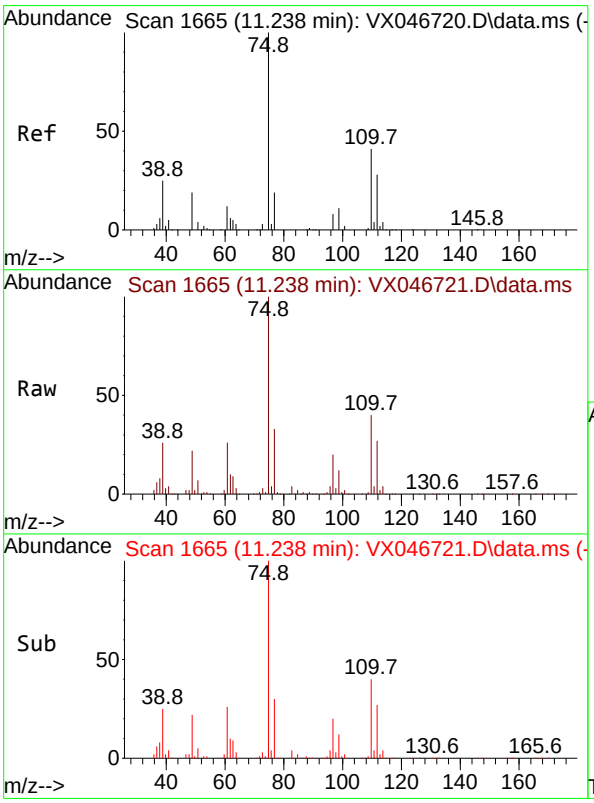
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 4.9 | 14.6 |
| 85 | 63.8 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

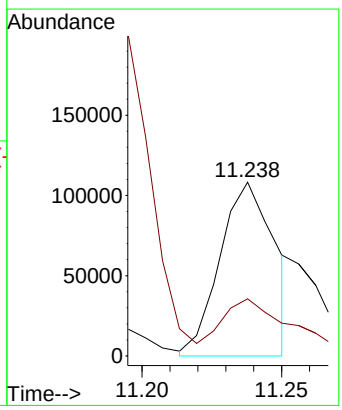
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

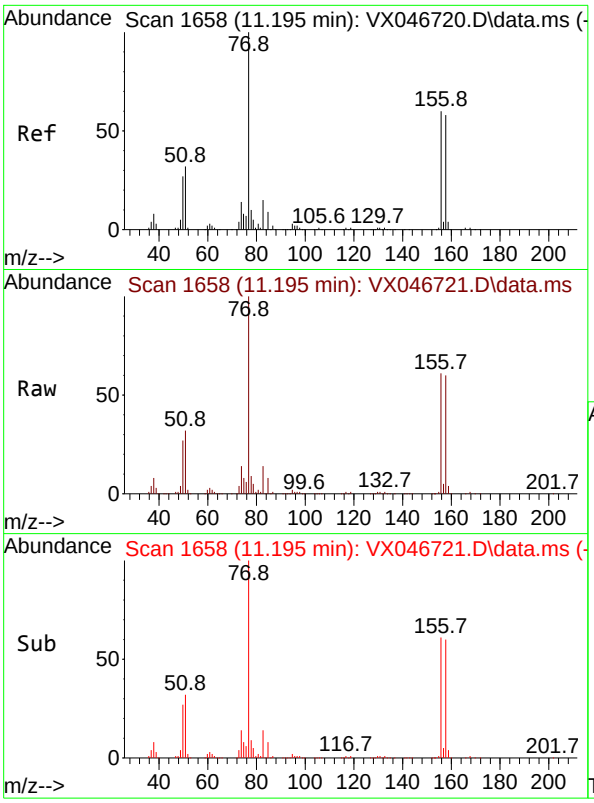



#76
1,2,3-Trichloropropane
Concen: 92.387 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 147349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.6 | 18.5 | 55.5 |

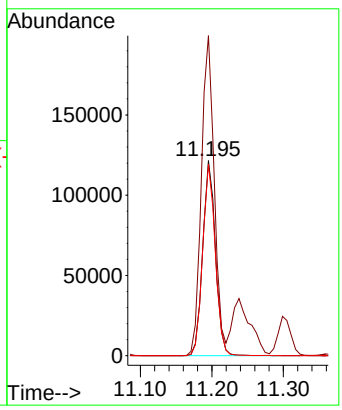





#77
Bromobenzene
Concen: 107.864 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:156 Resp: 15011

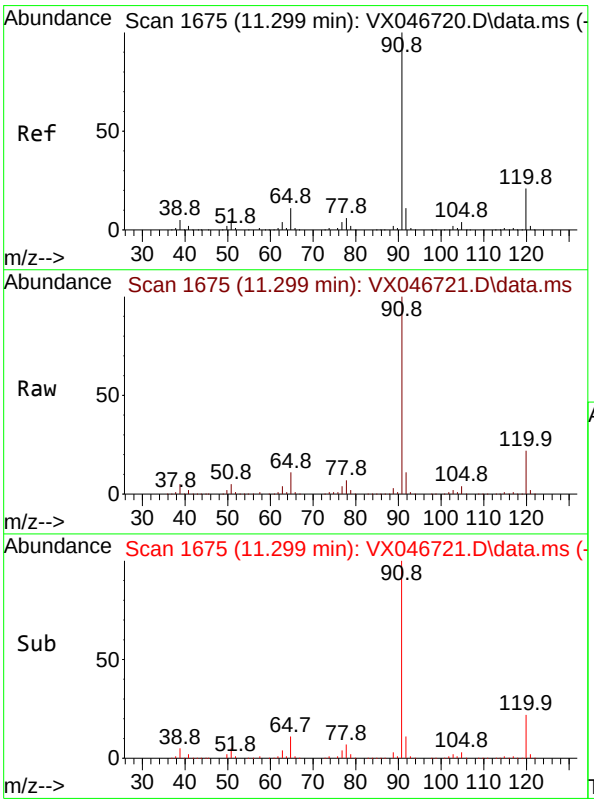
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.5 | 82.8 | 248.6 |
| 158 | 97.7 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

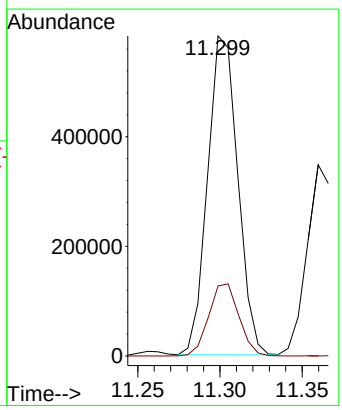
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

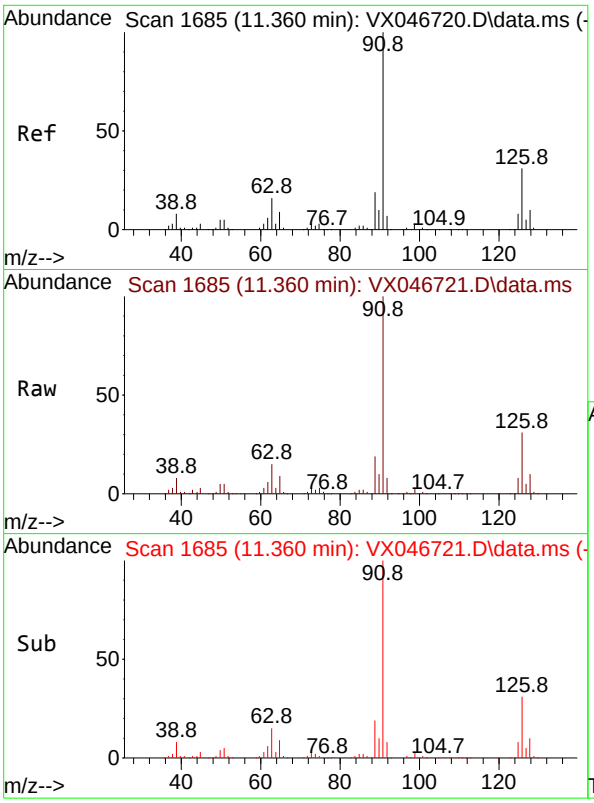



#78
n-propylbenzene
Concen: 108.310 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 743979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 106.065 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

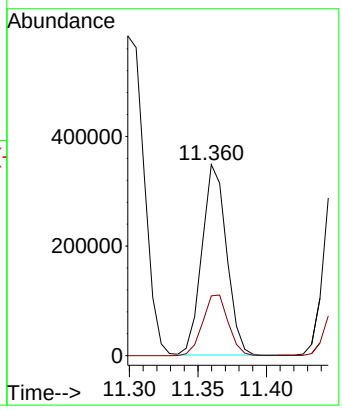
Tgt Ion: 91 Resp: 43498

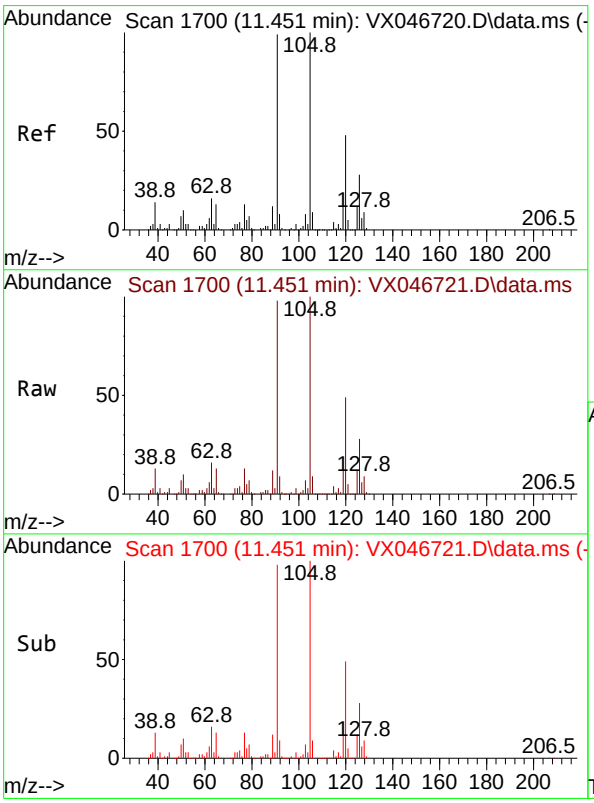
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

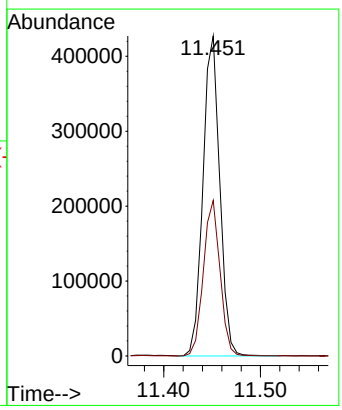


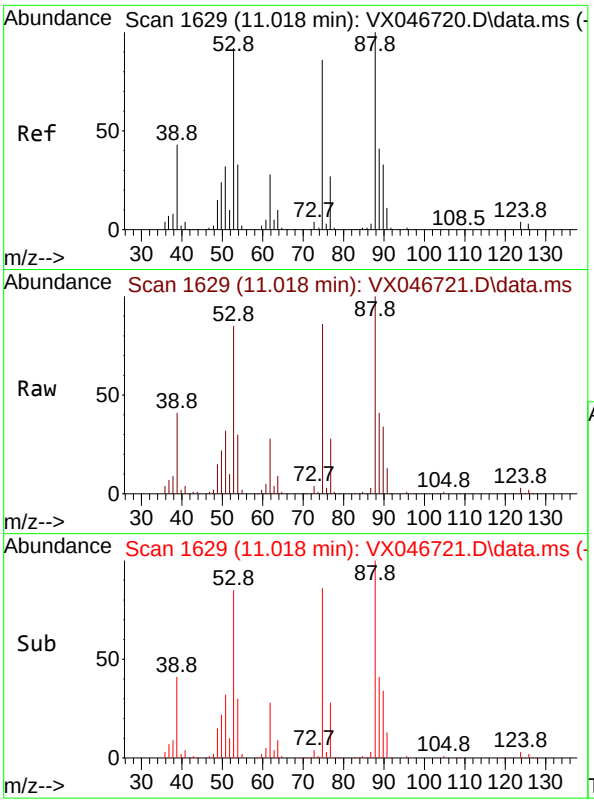




#80
1,3,5-Trimethylbenzene
Concen: 108.848 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 517286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 113.225 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

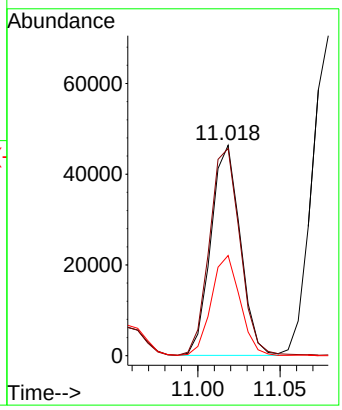
Tgt Ion: 75 Resp: 5760

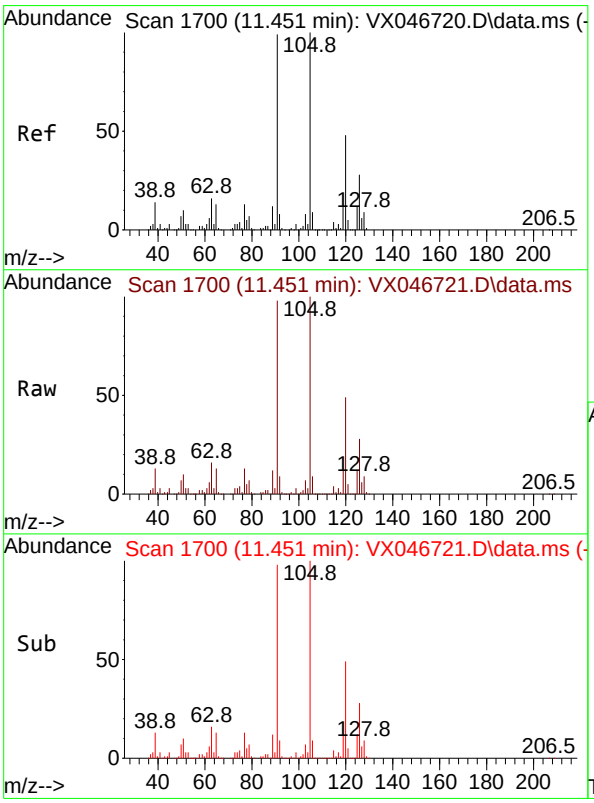
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 86.8 | 130.2 |
| 89 | 46.9 | 36.9 | 55.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

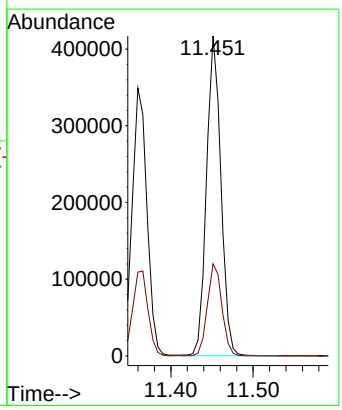


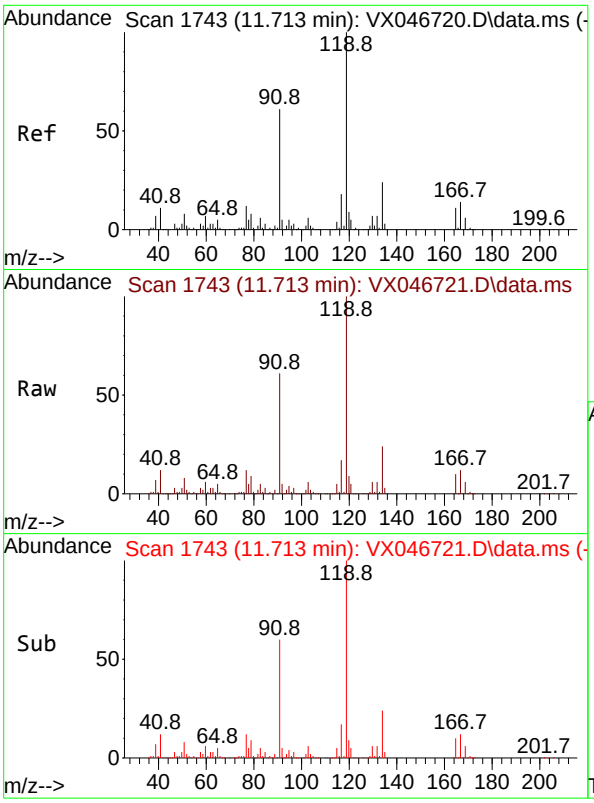




#82
4-Chlorotoluene
Concen: 105.896 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 506852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |

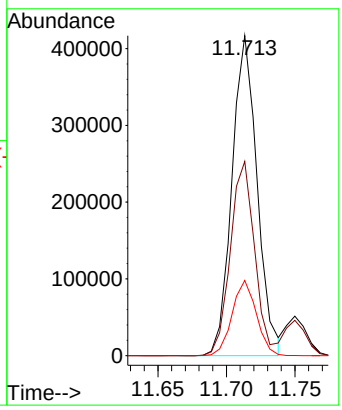





#83
tert-Butylbenzene
Concen: 108.548 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:119 Resp: 53323

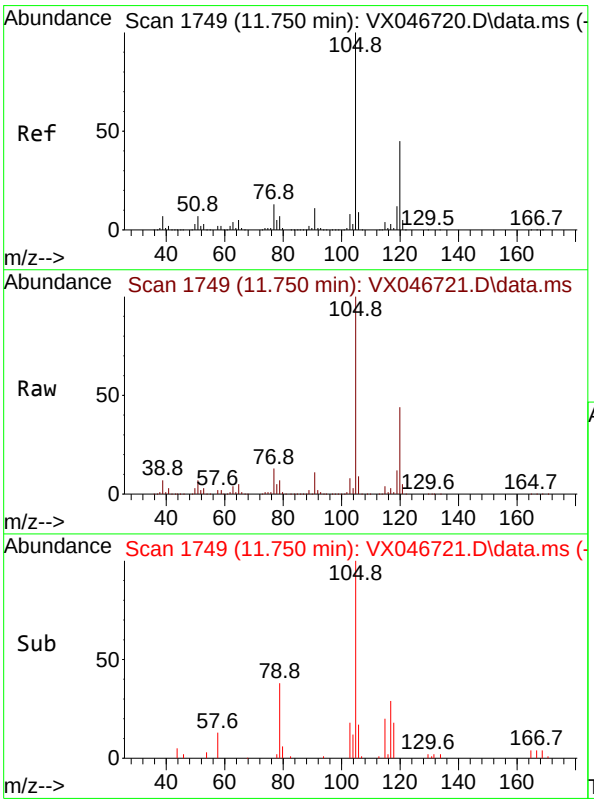
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 29.5 | 88.6 |
| 134 | 22.7 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

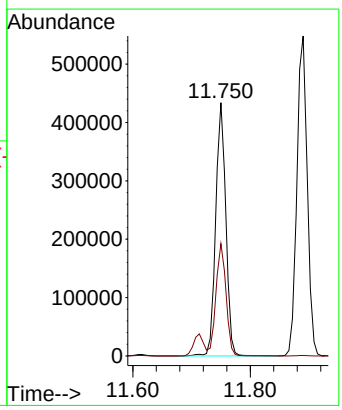
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

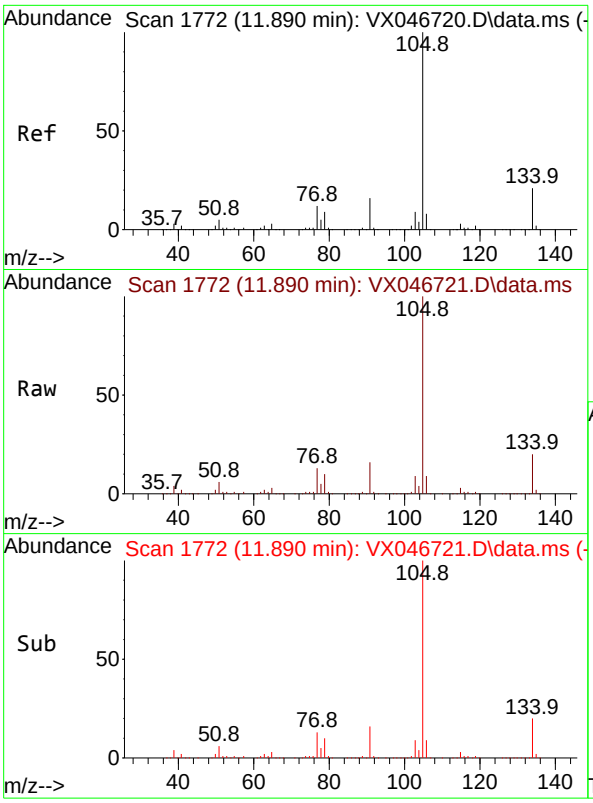



#84
1,2,4-Trimethylbenzene
Concen: 108.598 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 518524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |

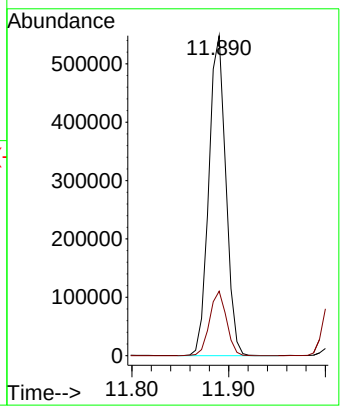





#85
sec-Butylbenzene
Concen: 108.062 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 67089

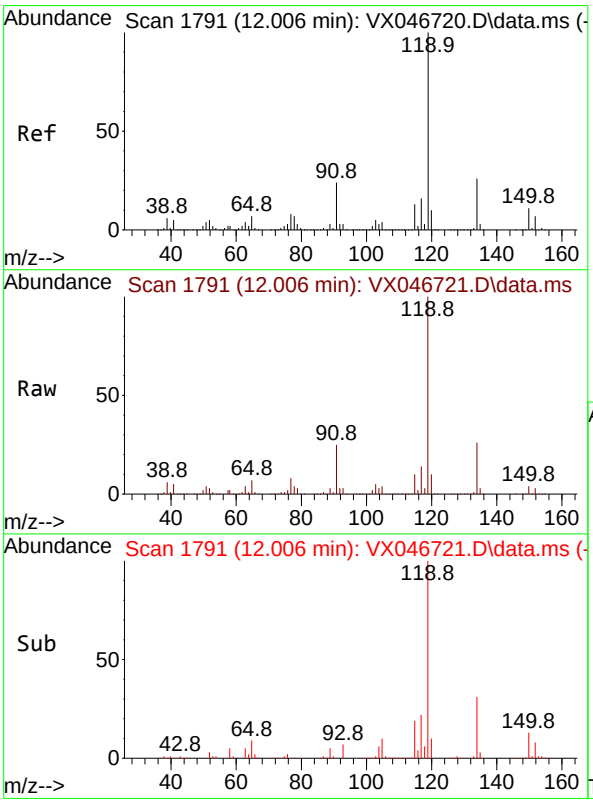
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

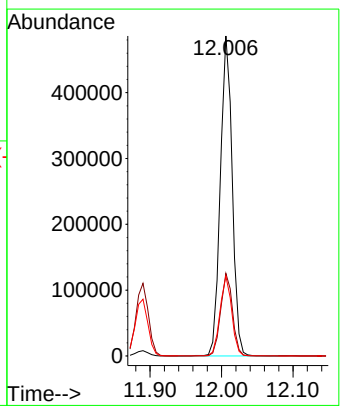
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

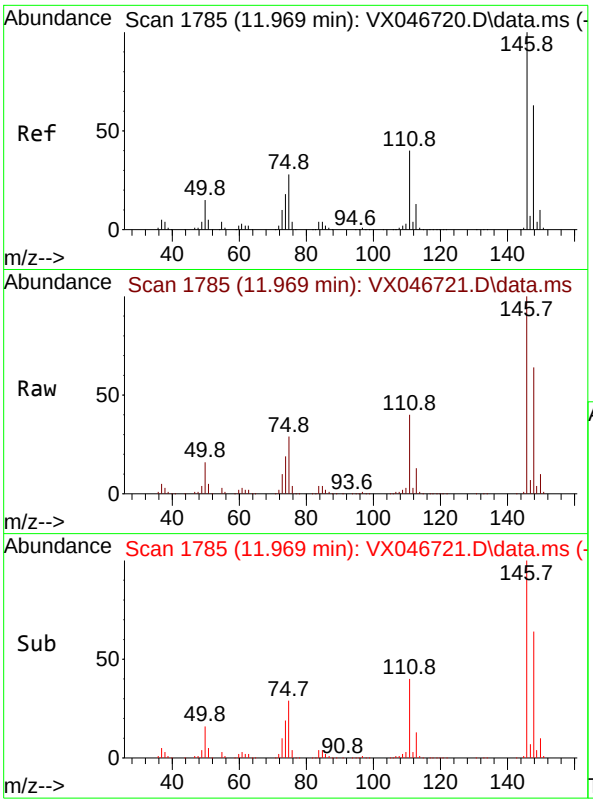



#86
p-Isopropyltoluene
Concen: 107.145 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:119 Resp: 561258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.9 | 38.7 |
| 91 | 24.7 | 12.3 | 36.9 |

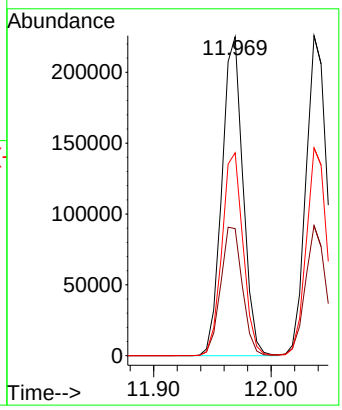





#87
1,3-Dichlorobenzene
Concen: 103.388 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:146 Resp: 28054

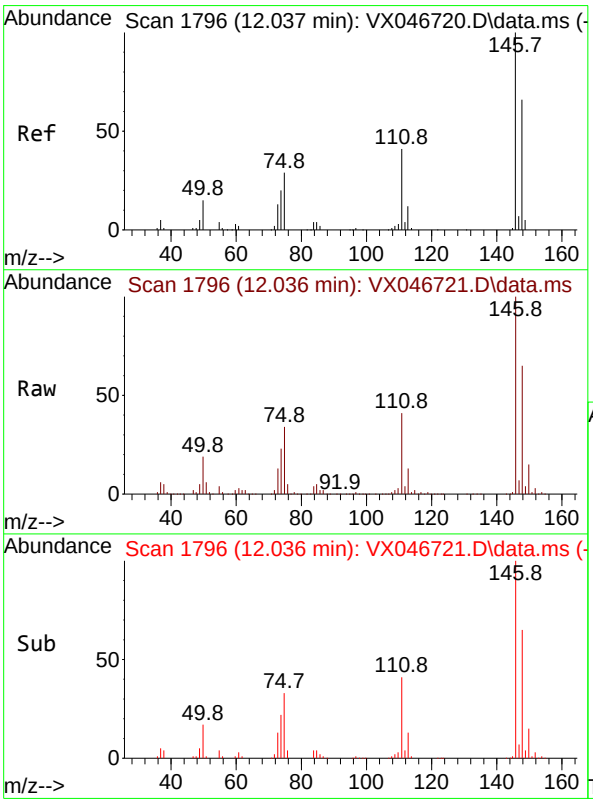
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.6 | 61.8 |
| 148 | 63.9 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

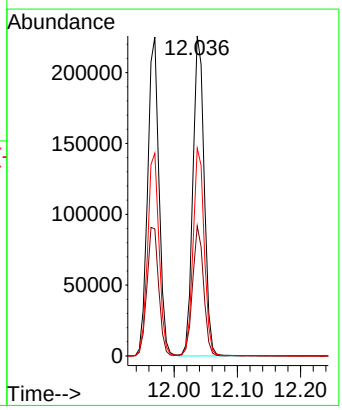
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

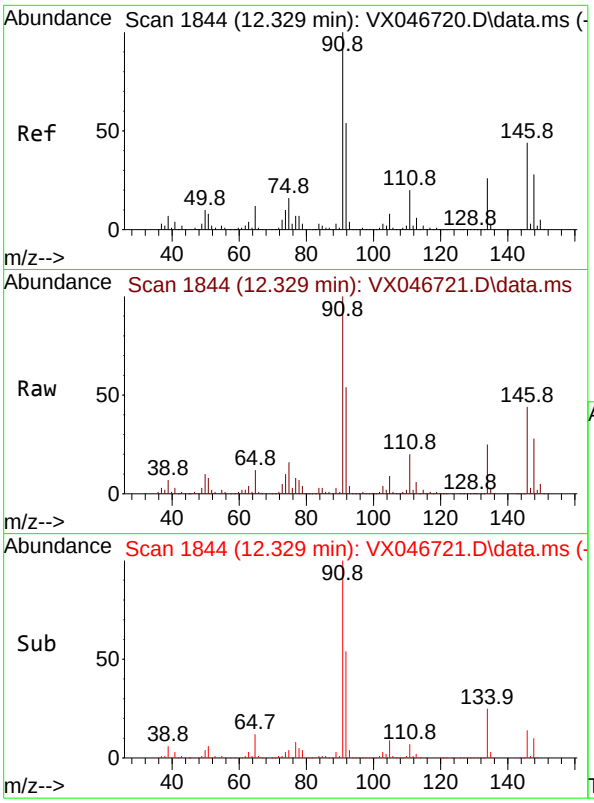



#88
1,4-Dichlorobenzene
Concen: 100.779 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:146 Resp: 280884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.3 | 61.0 |
| 148 | 63.9 | 32.1 | 96.5 |

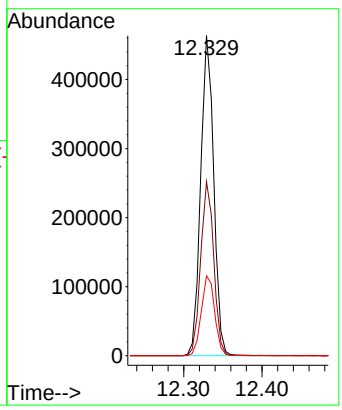





#89
n-Butylbenzene
Concen: 107.822 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 53626

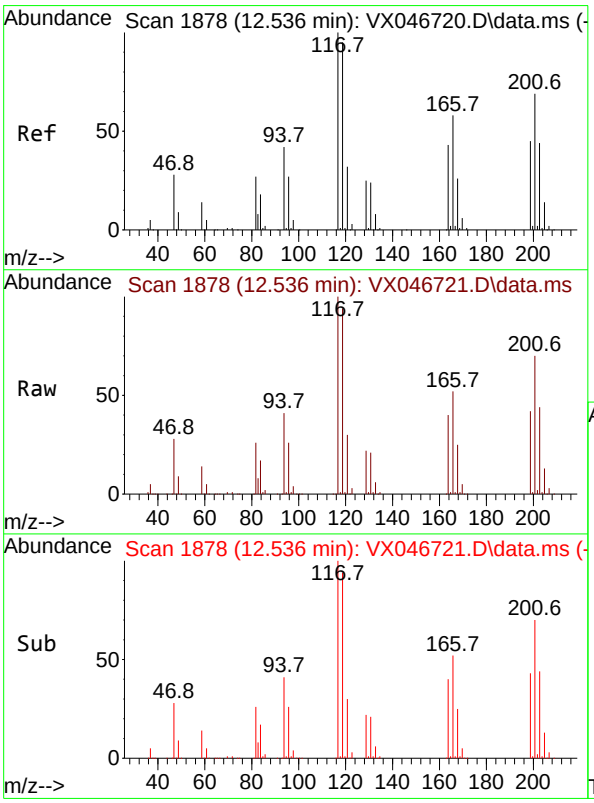
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

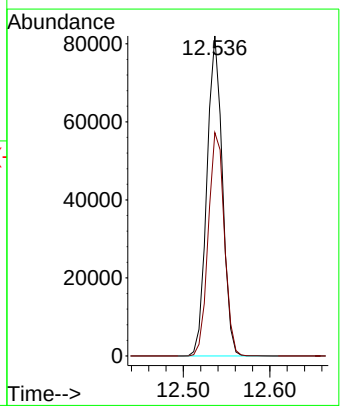
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

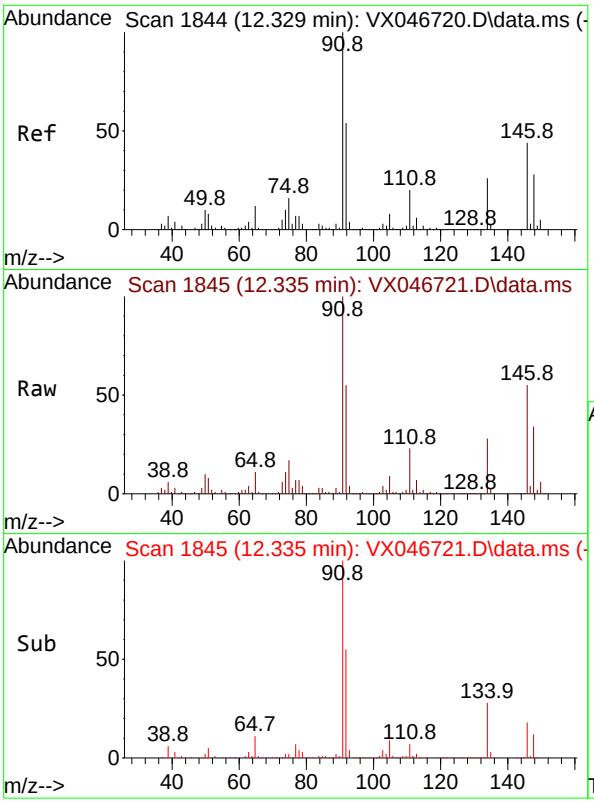



#90
Hexachloroethane
Concen: 110.811 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:117 Resp: 101647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.5 | 34.4 | 103.3 |

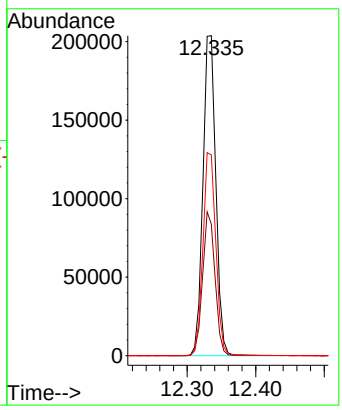





#91
1,2-Dichlorobenzene
Concen: 105.466 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:146 Resp: 26743

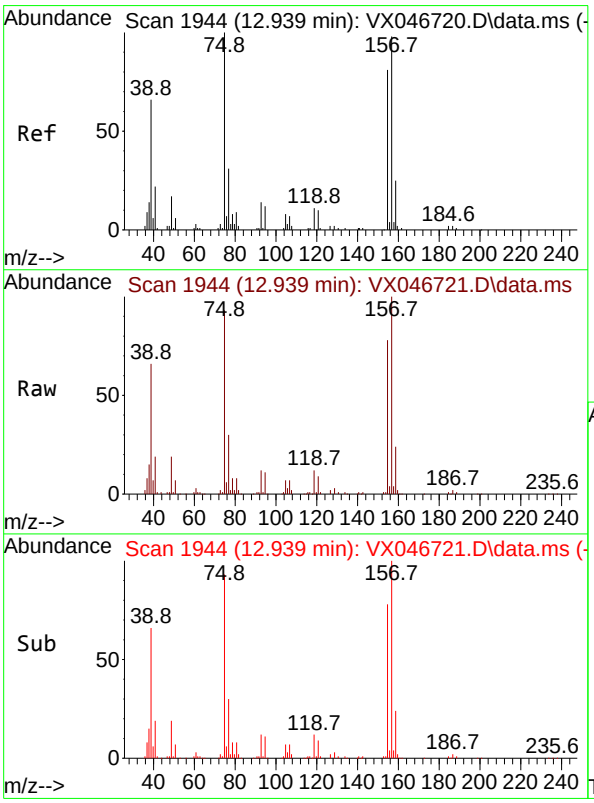
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

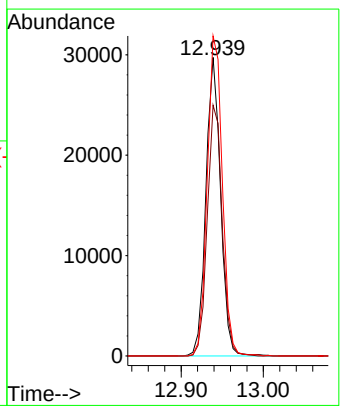
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

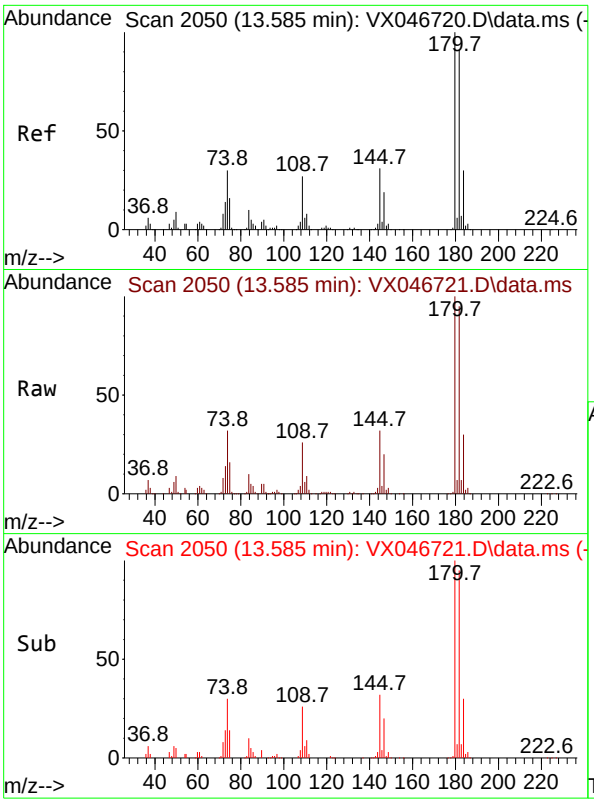



#92
1,2-Dibromo-3-Chloropropane
Concen: 115.616 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 36858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.8 | 41.9 | 125.7 |
| 157 | 110.6 | 51.4 | 154.3 |

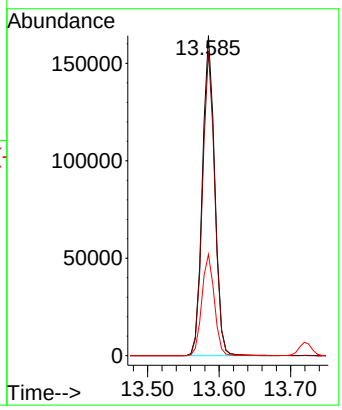





#93
1,2,4-Trichlorobenzene
Concen: 109.119 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:180 Resp: 19671

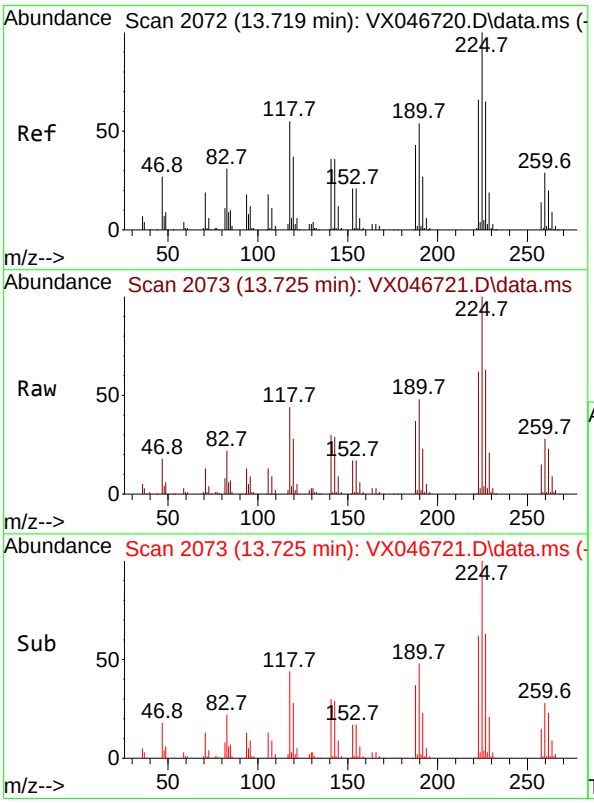
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 46.7 | 140.1 |
| 145 | 32.0 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

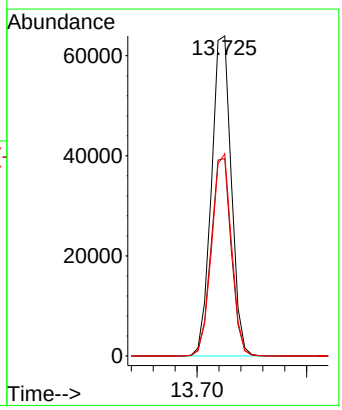
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

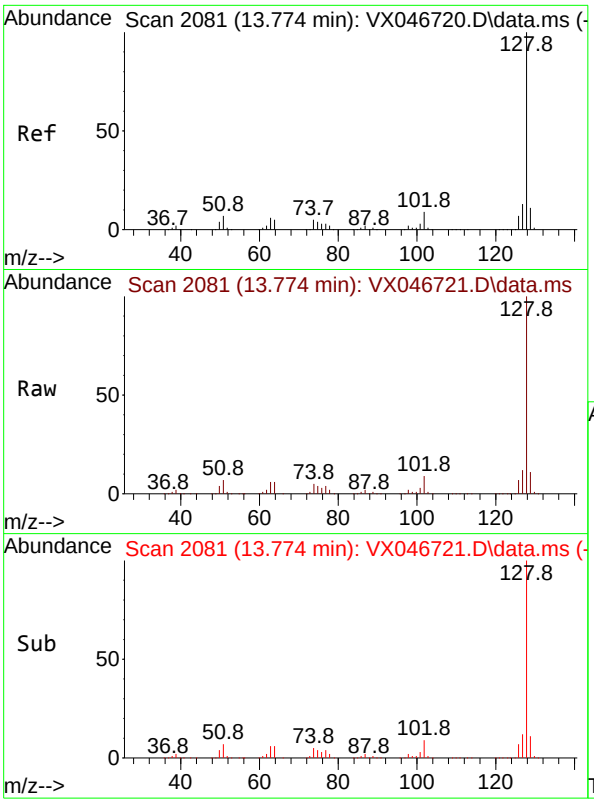



#94
Hexachlorobutadiene
Concen: 106.029 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:225 Resp: 80407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 32.5 | 97.5 |
| 227 | 63.0 | 32.2 | 96.6 |

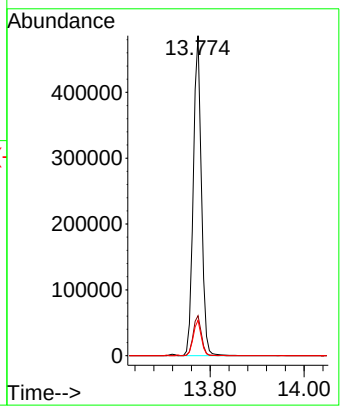





#95
Naphthalene
Concen: 114.468 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:128 Resp: 58791

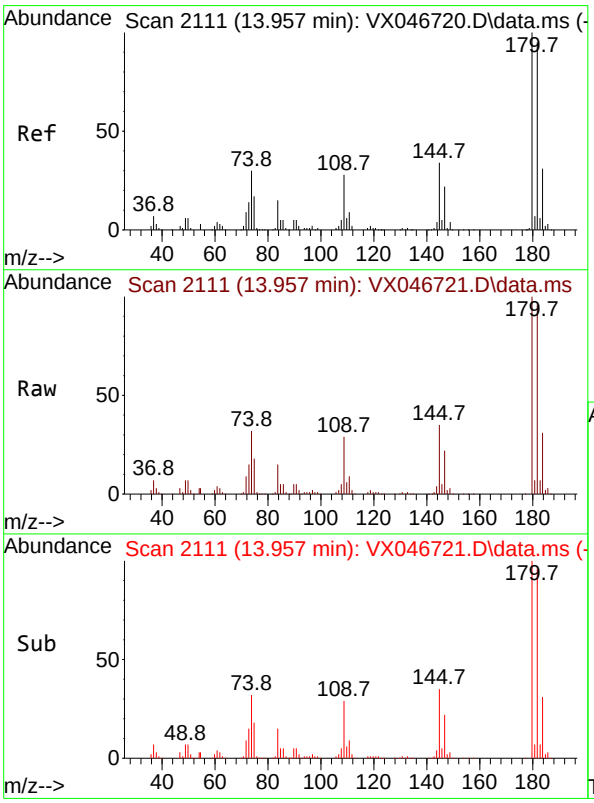
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

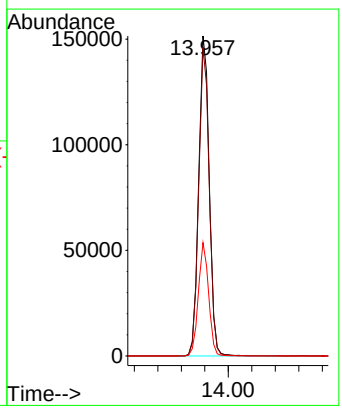
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 109.861 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:180 Resp: 189473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 47.8 | 143.4 |
| 145 | 34.4 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 107848 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 178346 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 156970 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 75829 | 50.000 | ug/l | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 230915 | 154.797 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 309.600%# | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 187536 | 158.930 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 317.860%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 660221 | 155.733 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 311.460%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 244007 | 154.404 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 308.800%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 193321 | 167.898 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 202755 | 163.144 | ug/l | 97 |
| 4) Vinyl Chloride | 1.386 | 62 | 208285 | 157.161 | ug/l | 96 |
| 5) Bromomethane | 1.612 | 94 | 90708 | 121.652 | ug/l | 97 |
| 6) Chloroethane | 1.691 | 64 | 123323 | 153.530 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 314552 | 156.313 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 108801 | 157.544 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 192071 | 155.583 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 243423 | 148.201 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 111150 | 830.155 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 188770 | 158.466 | ug/l | 97 |
| 13) Acrolein | 2.246 | 56 | 156844 | 804.238 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 340117 | 157.583 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 477449 | 793.036 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 378554 | 760.980 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 535657 | 148.907 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 209349 | 165.695 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 585091 | 157.742 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 201983 | 146.004 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 192490 | 151.016 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 638477 | 153.904 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 2691267 | 815.794 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 360395 | 153.006 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 570672 | 811.132 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 286713 | 166.896 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 227788 | 152.112 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 161801 | 151.520 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 370760 | 815.879 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 358782 | 152.312 | ug/l | 99 |
| 31) Cyclohexane | 5.483 | 56 | 330235 | 147.842 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 320382 | 155.082 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 256619 | 150.653 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 245724 | 156.284 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 284066 | 153.668 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 346118 | 154.413 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 763341 | 151.423 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 142283 | 169.745 ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 265740 | 150.011 ug/l | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 412067 | 167.483 ug/l | 99 |
| 44) Trichloroethene | 7.129 | 130 | 195943 | 152.520 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 191181 | 153.025 ug/l | 95 |
| 46) Dibromomethane | 7.580 | 93 | 138541 | 154.297 ug/l | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 288826 | 157.630 ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 211908 | 171.734 ug/l | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 54646 | 2987.386 ug/l | 96 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1173666 | 799.825 ug/l | 100 |
| 52) Toluene | 8.720 | 92 | 471273 | 150.800 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 288893 | 169.929 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 314965 | 163.198 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 175973 | 151.099 ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 288720 | 167.940 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 301418 | 150.290 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 754730 | 845.118 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 816655 | 805.005 ug/l | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 215347 | 156.904 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 185268 | 156.392 ug/l | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 159752 | 146.895 ug/l | 98 |
| 65) Chlorobenzene | 10.080 | 112 | 517859 | 149.453 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 181981 | 156.268 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 915724 | 151.251 ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 676085 | 299.697 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 328782 | 155.514 ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 566606 | 153.143 ug/l | 100 |
| 71) Bromoform | 10.799 | 173 | 143229 | 161.498 ug/l | 100 |
| 73) Isopropylbenzene | 10.964 | 105 | 867728 | 155.374 ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 369757 | 174.748 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 244406 | 156.730 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 202926m | 131.753 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 207348 | 154.285 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 1025742 | 154.633 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 595555 | 150.373 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 707005 | 154.053 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 86677 | 176.408 ug/l | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 697556 | 150.915 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 735750 | 155.093 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 719283 | 155.994 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 916769 | 152.910 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 771998 | 152.610 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 391049 | 149.232 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 387139 | 143.836 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 726563 | 151.271 ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 142663 | 161.049 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 370234 | 151.192 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 54014 | 175.448 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 263803 | 151.531 ug/l | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 95520 | 130.431 ug/l | 100 |
| 95) Naphthalene | 13.774 | 128 | 846206 | 170.609 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 262348 | 157.517 ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

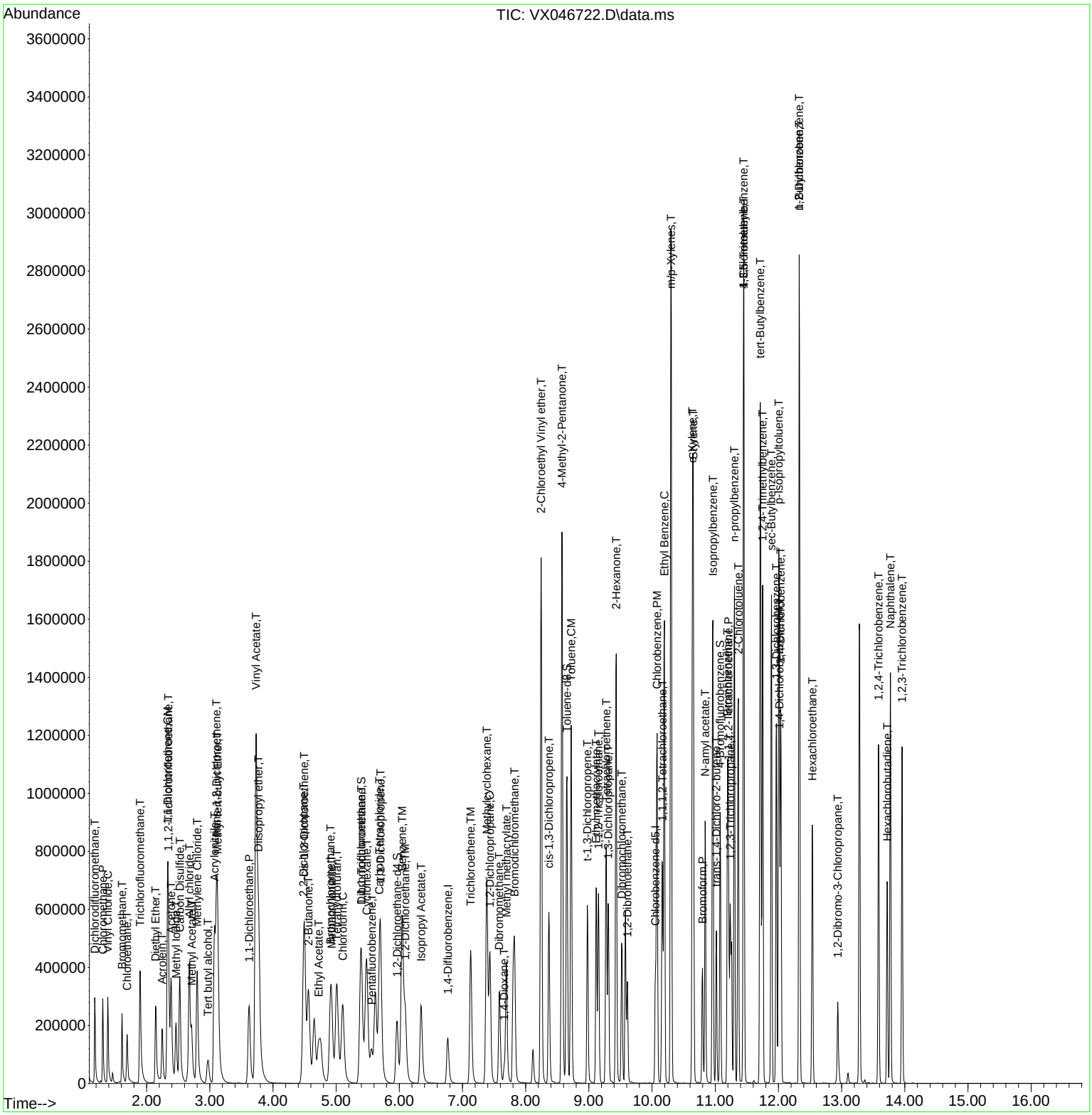
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

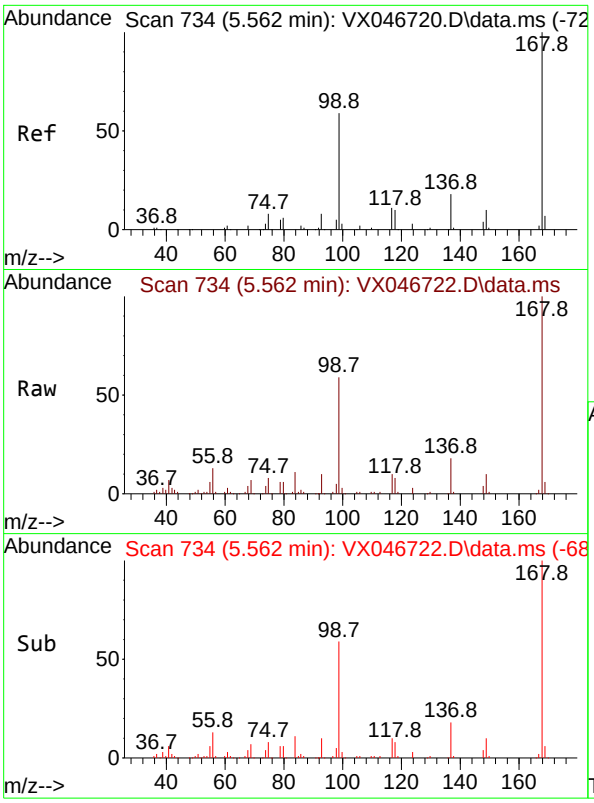
Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

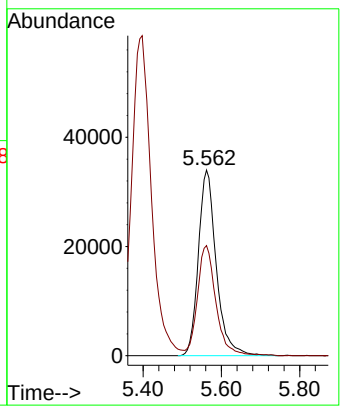





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:168 Resp: 10784

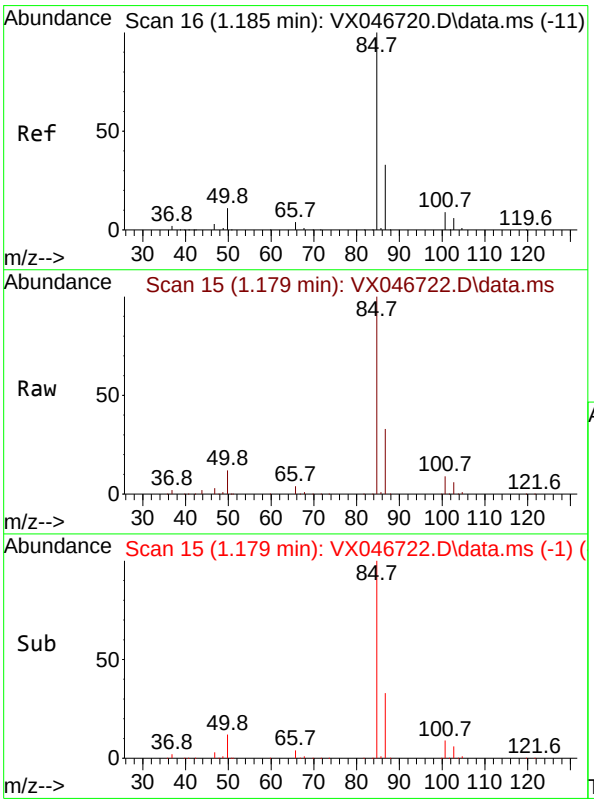
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

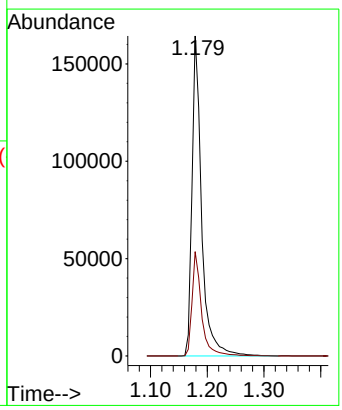
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

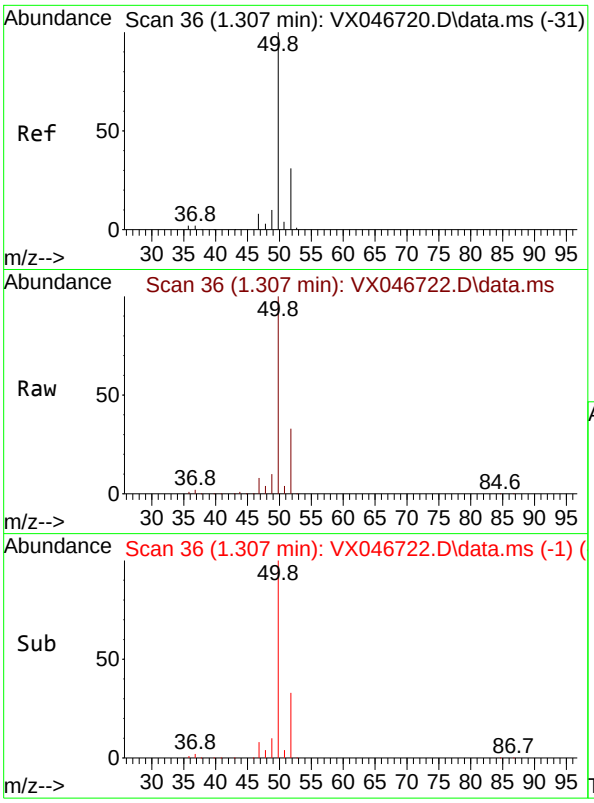



#2
Dichlorodifluoromethane
Concen: 167.898 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 85 Resp: 193321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |

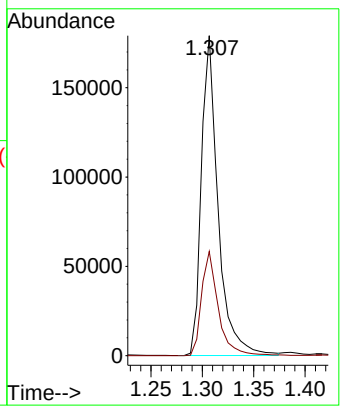





#3
Chloromethane
Concen: 163.144 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 50 Resp: 20275

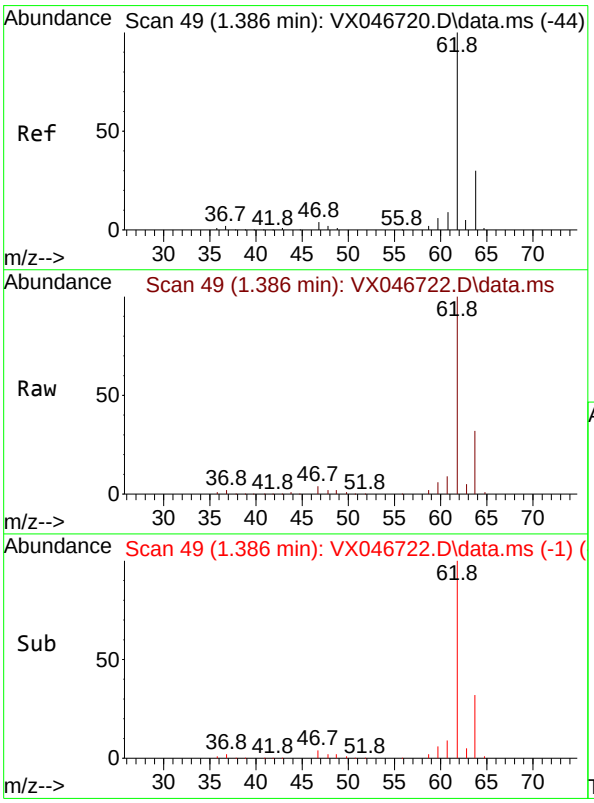
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

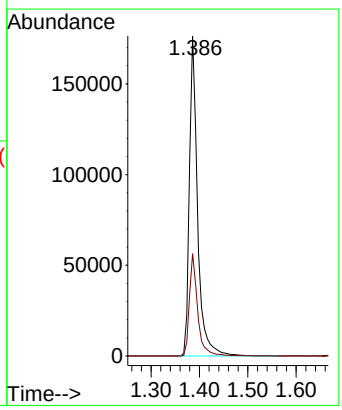
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

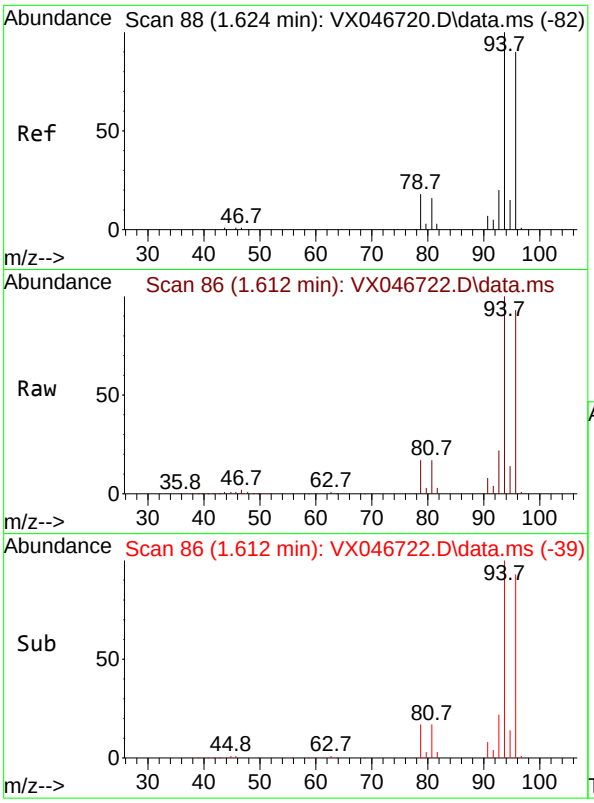



#4
Vinyl Chloride
Concen: 157.161 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 62 Resp: 208285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 23.9 | 35.9 |

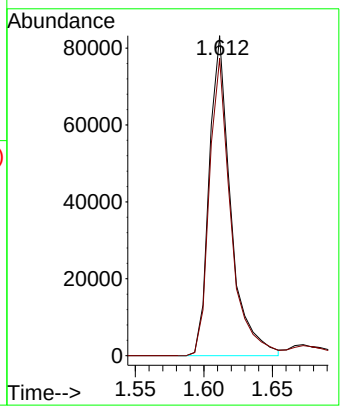





#5
Bromomethane
Concen: 121.652 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 94 Resp: 9070

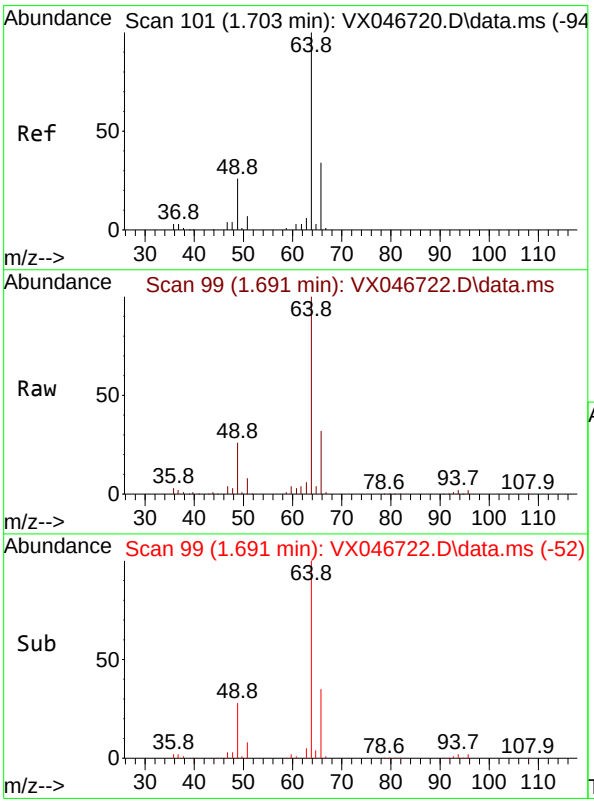
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.9 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

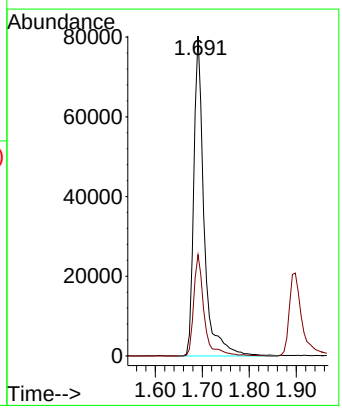
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

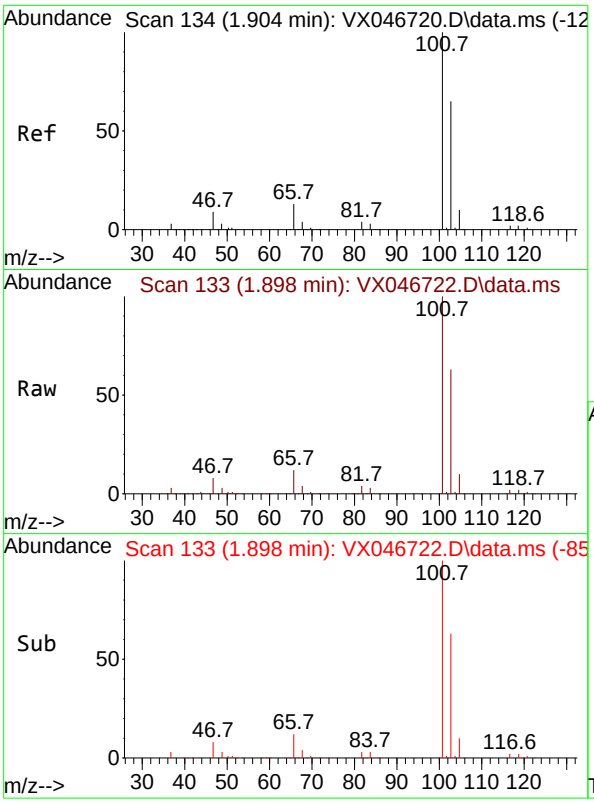



#6
Chloroethane
Concen: 153.530 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 64 Resp: 123323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 27.1 | 40.7 |

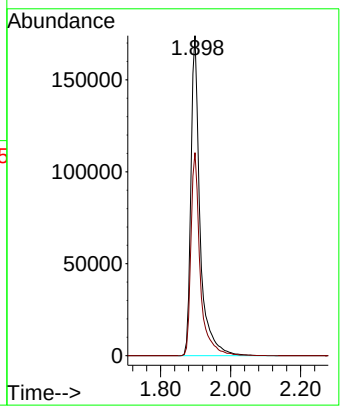





#7
Trichlorofluoromethane
Concen: 156.313 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:101 Resp: 31455

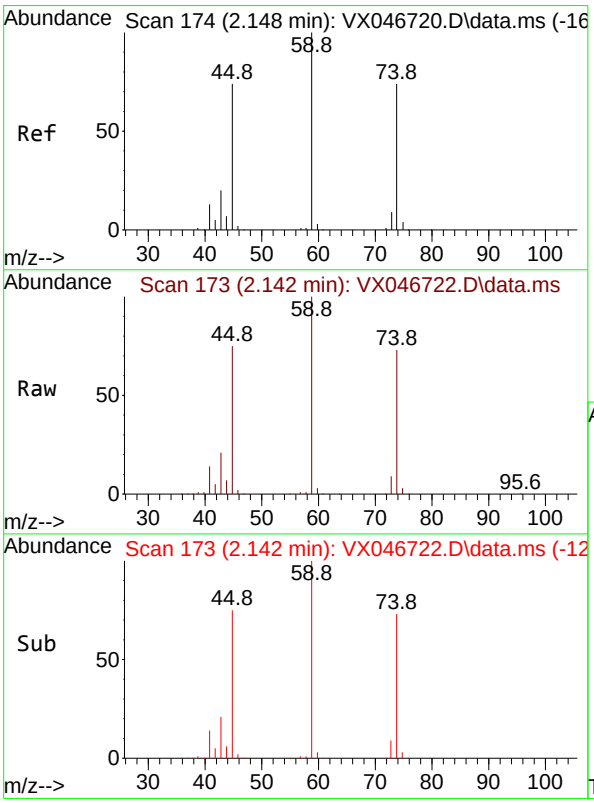
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.4 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

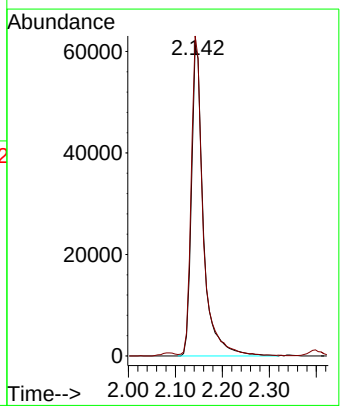
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

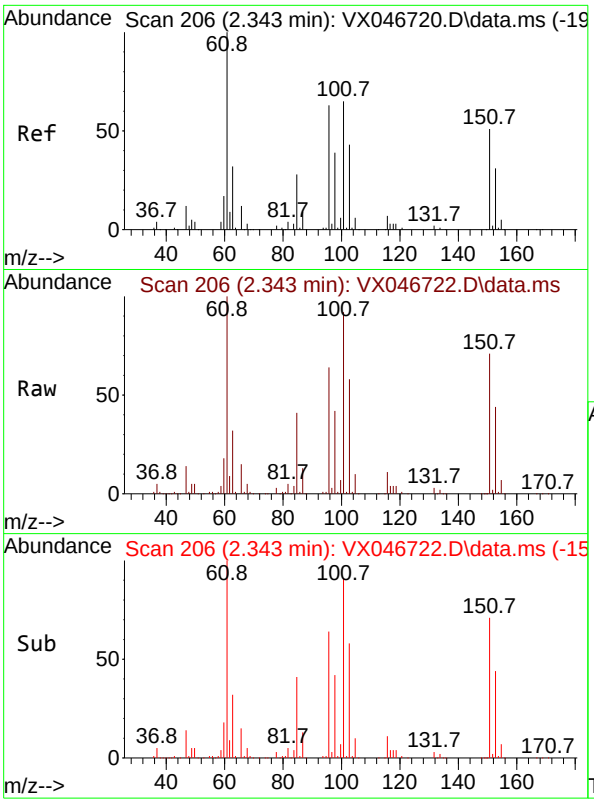



#8
Diethyl Ether
Concen: 157.544 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 74 Resp: 108801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.4 | 52.3 | 157.1 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 155.583 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

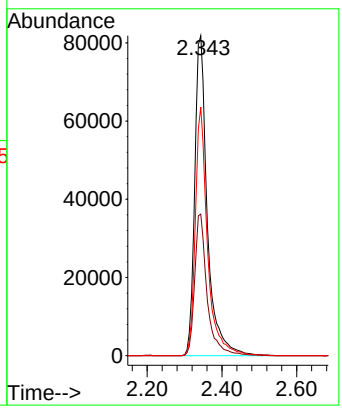
Tgt Ion:101 Resp: 19207

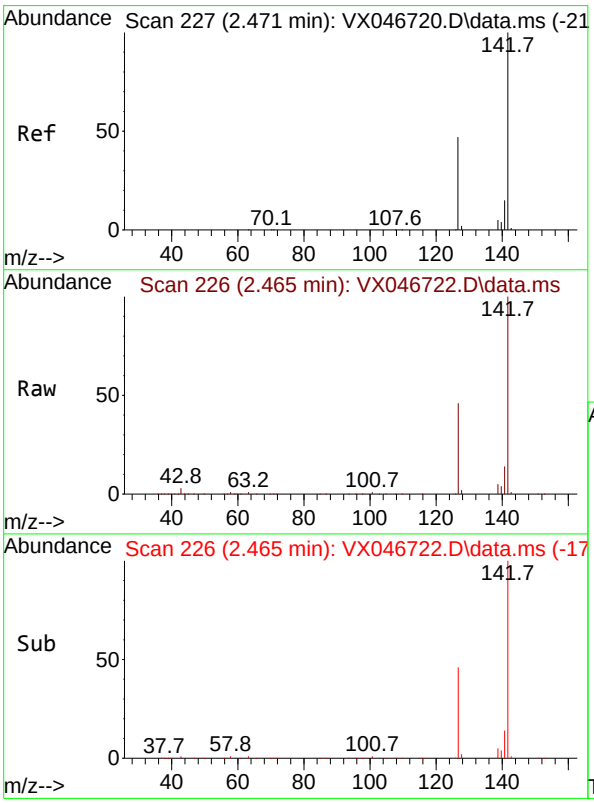
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 75.4 | 61.2 | 91.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

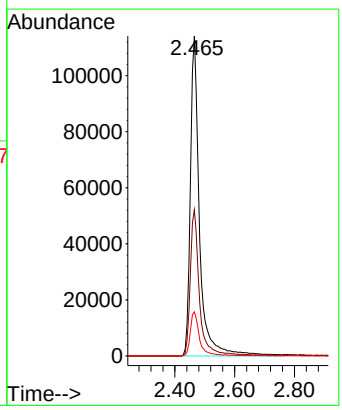


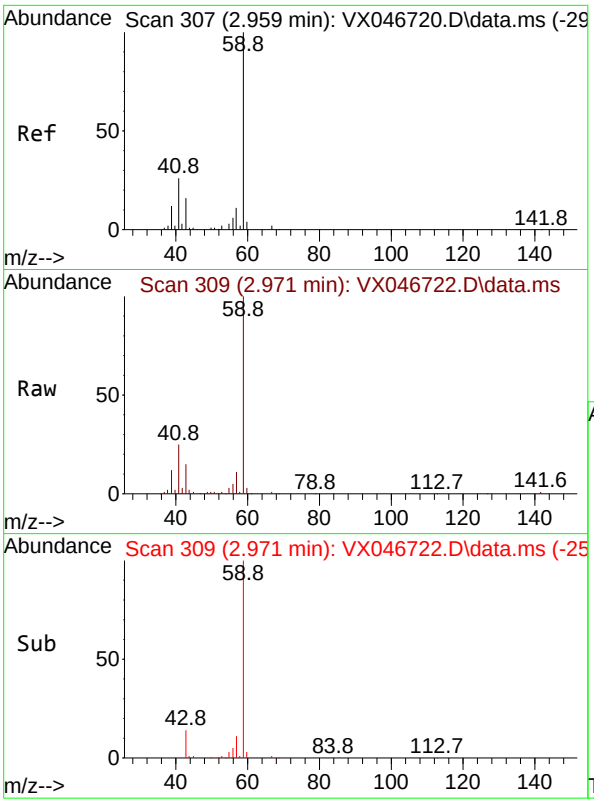




#10
Methyl Iodide
Concen: 148.201 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:142 Resp: 243423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.5 | 37.0 | 55.6 |
| 141 | 13.6 | 11.5 | 17.3 |

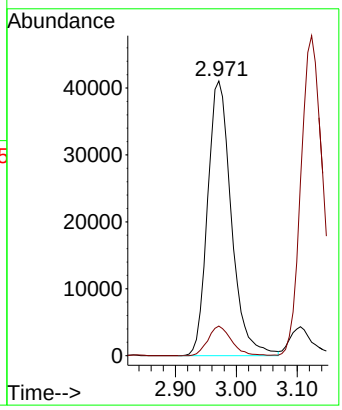





#11
Tert butyl alcohol
Concen: 830.155 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 59 Resp: 11115

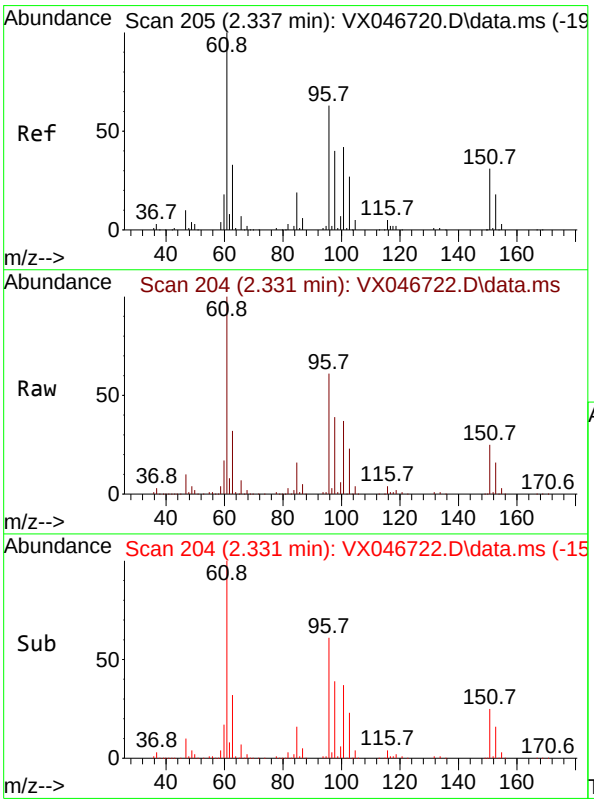
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

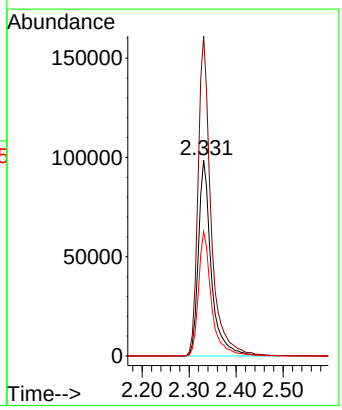
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

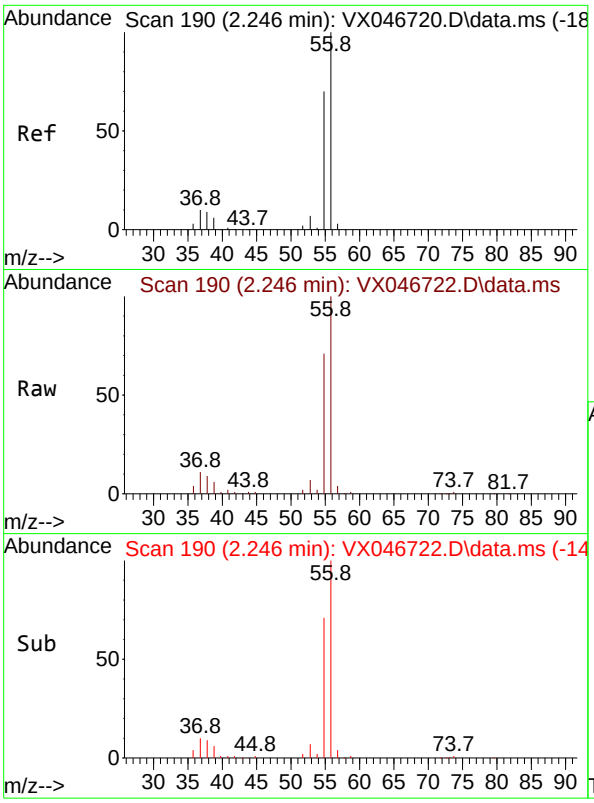



#12
1,1-Dichloroethene
Concen: 158.466 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 96 Resp: 188770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.4 | 126.6 | 189.8 |
| 98 | 63.6 | 50.7 | 76.1 |

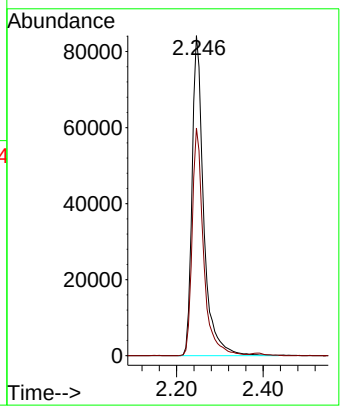





#13
Acrolein
Concen: 804.238 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 56 Resp: 15684

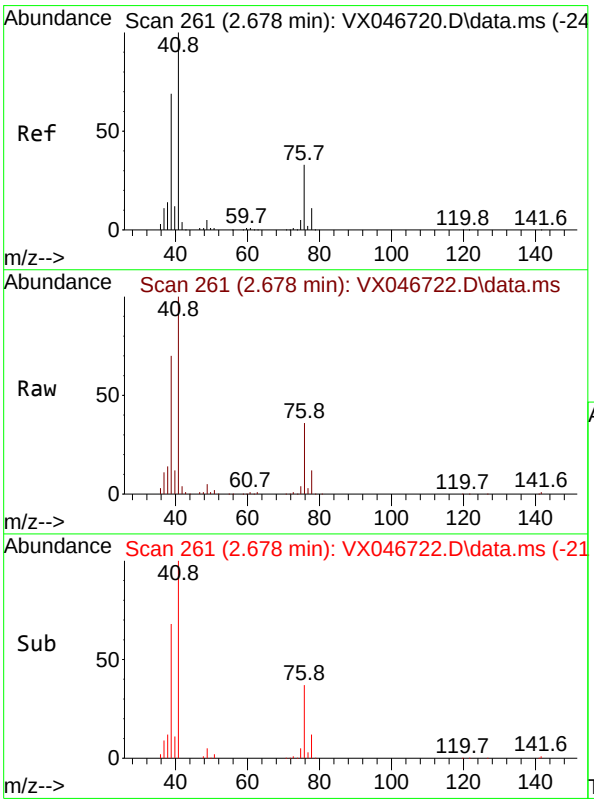
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

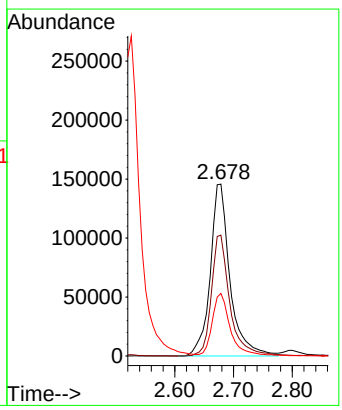
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

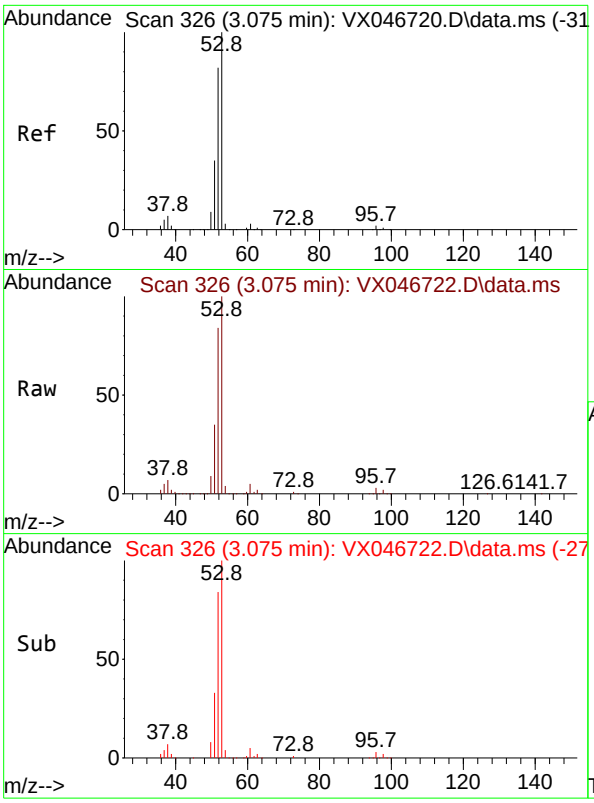



#14
Allyl chloride
Concen: 157.583 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 41 Resp: 340117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.9 | 53.6 | 80.4 |
| 76 | 33.6 | 26.8 | 40.2 |

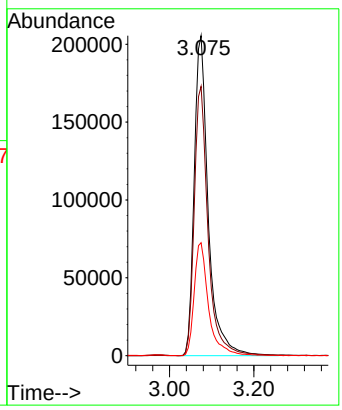





#15
Acrylonitrile
Concen: 793.036 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 53 Resp: 47744

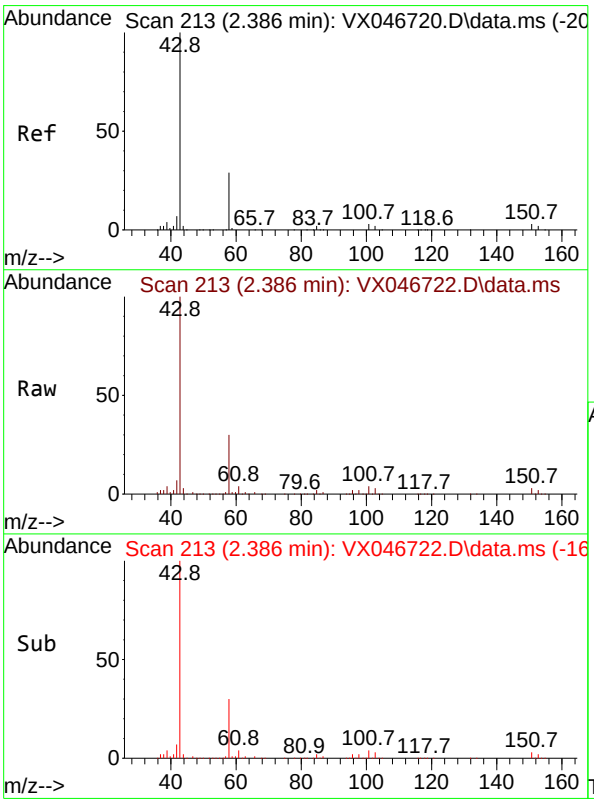
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.3 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

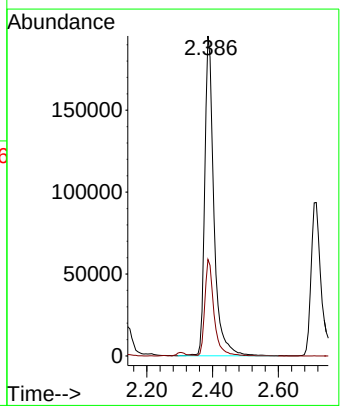
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

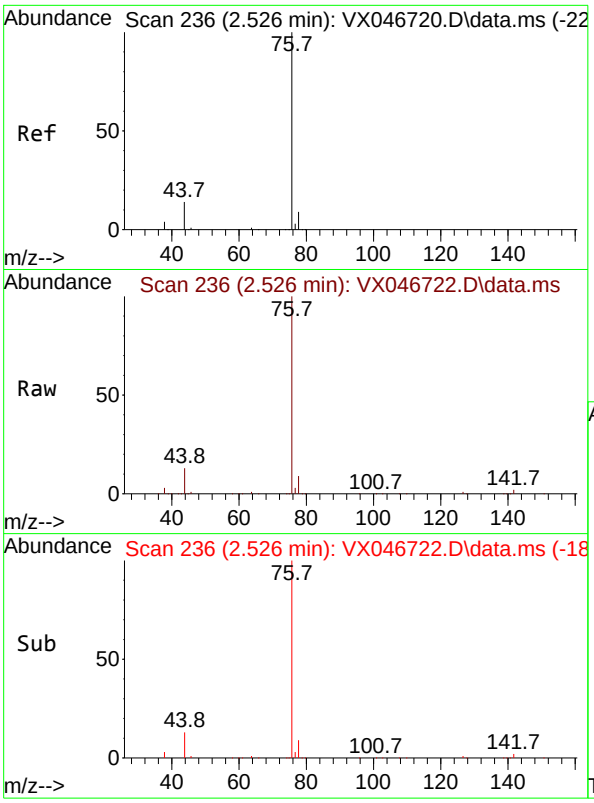



#16
Acetone
Concen: 760.980 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 378554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |

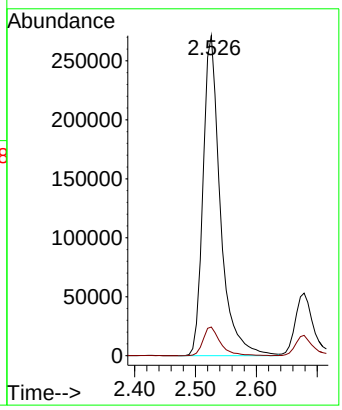





#17
Carbon Disulfide
Concen: 148.907 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 76 Resp: 53565

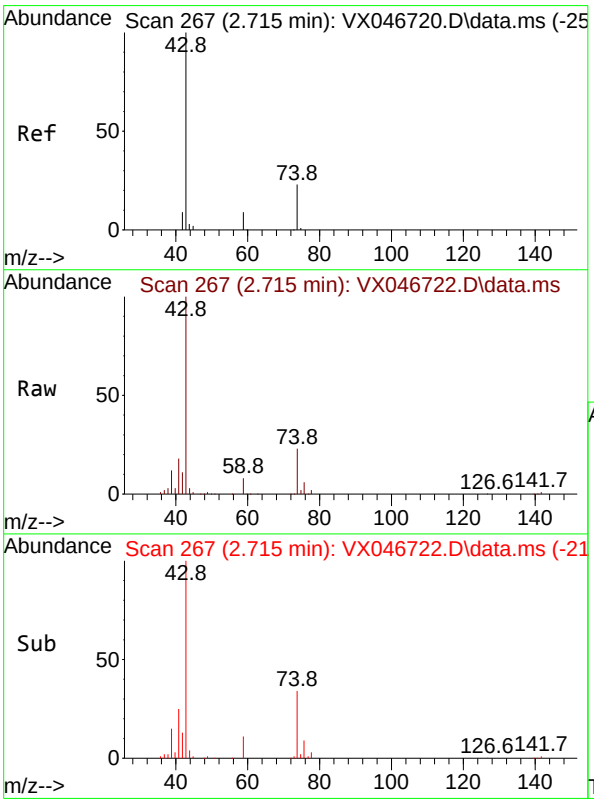
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

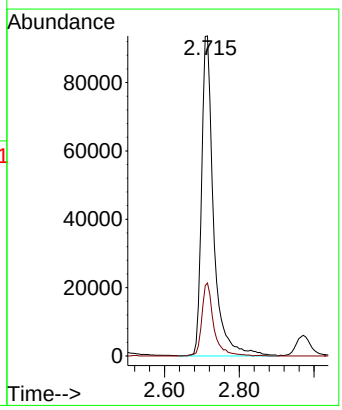
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

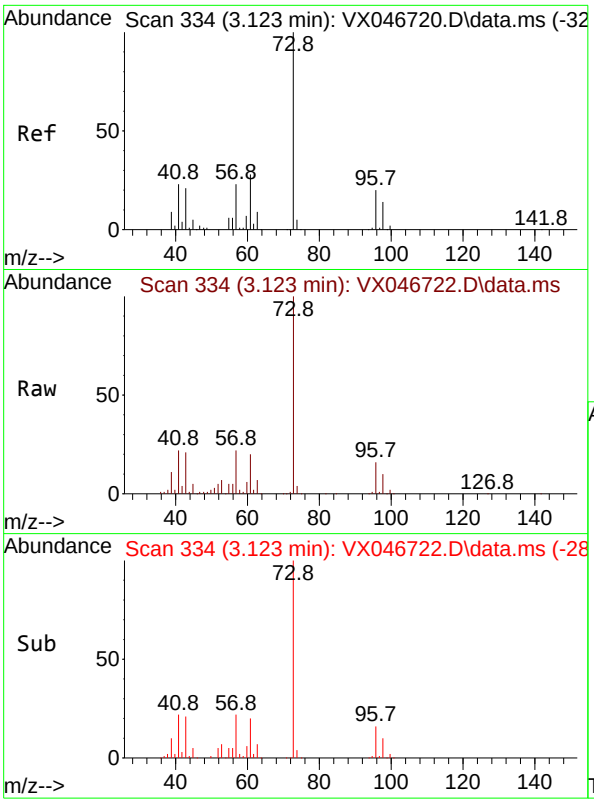



#18
Methyl Acetate
Concen: 165.695 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 209349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.4 | 18.4 | 27.6 |

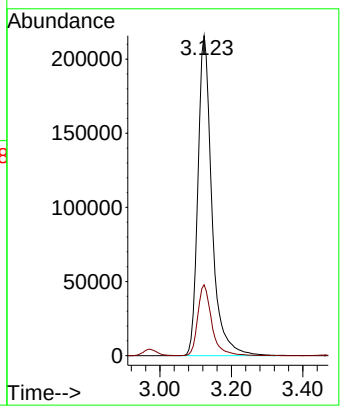





#19
Methyl tert-butyl Ether
Concen: 157.742 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 73 Resp: 58509

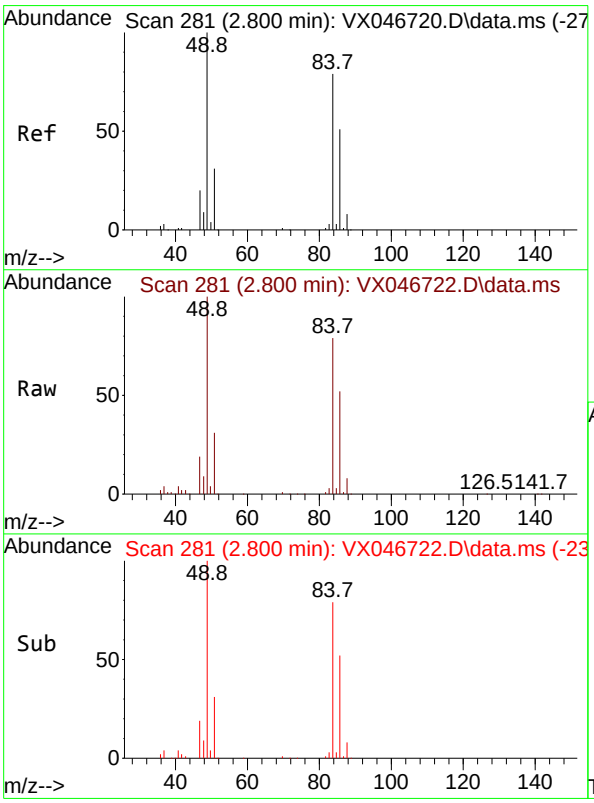
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

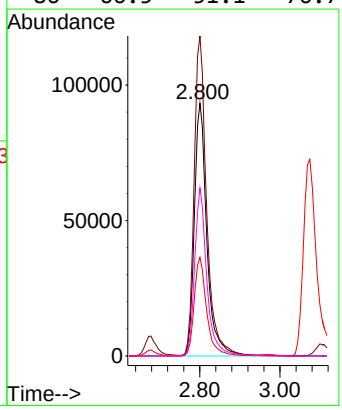
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

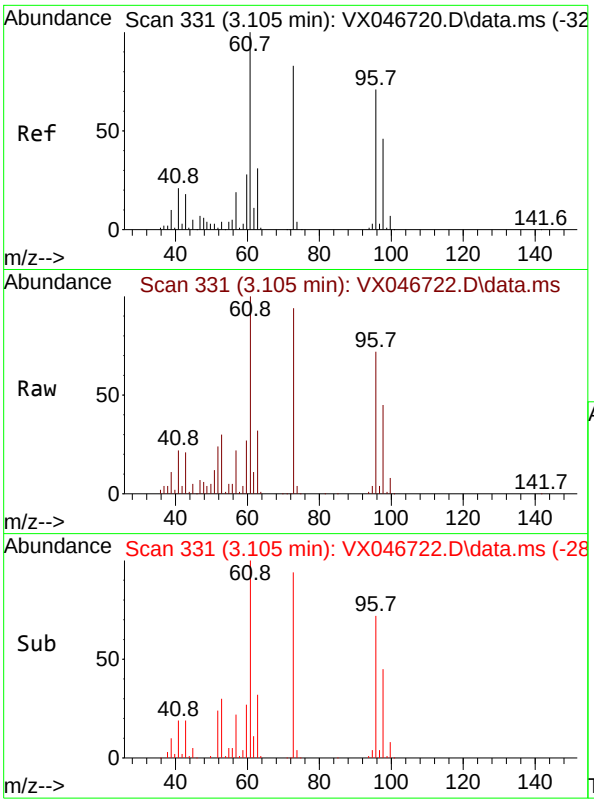



#20
Methylene Chloride
Concen: 146.004 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 84 Resp: 201983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 101.3 | 151.9 |
| 51 | 39.0 | 31.0 | 46.6 |
| 86 | 66.5 | 51.1 | 76.7 |

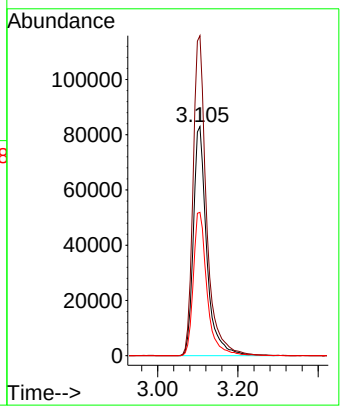





#21
trans-1,2-Dichloroethene
Concen: 151.016 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 96 Resp: 19249

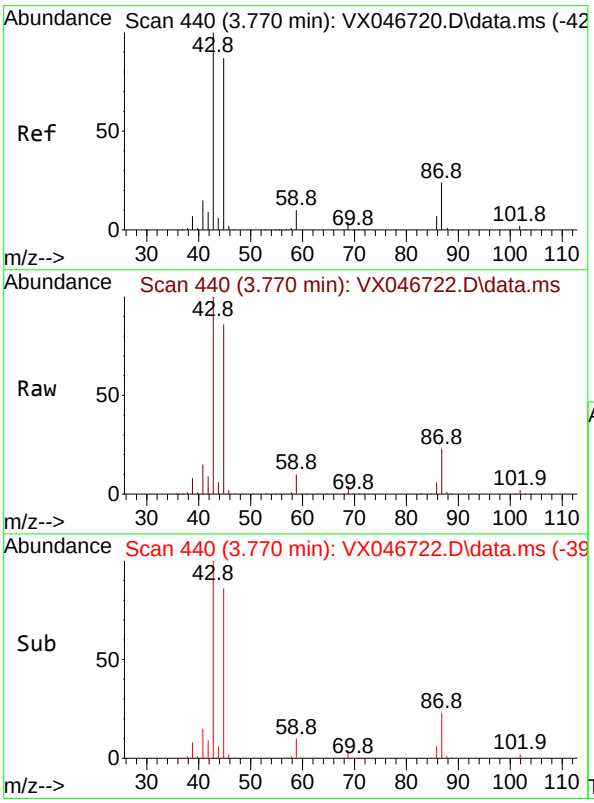
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 112.5 | 168.7 |
| 98 | 62.5 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

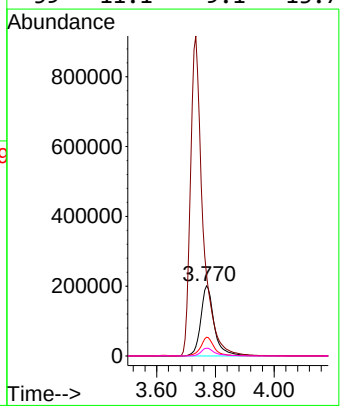
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

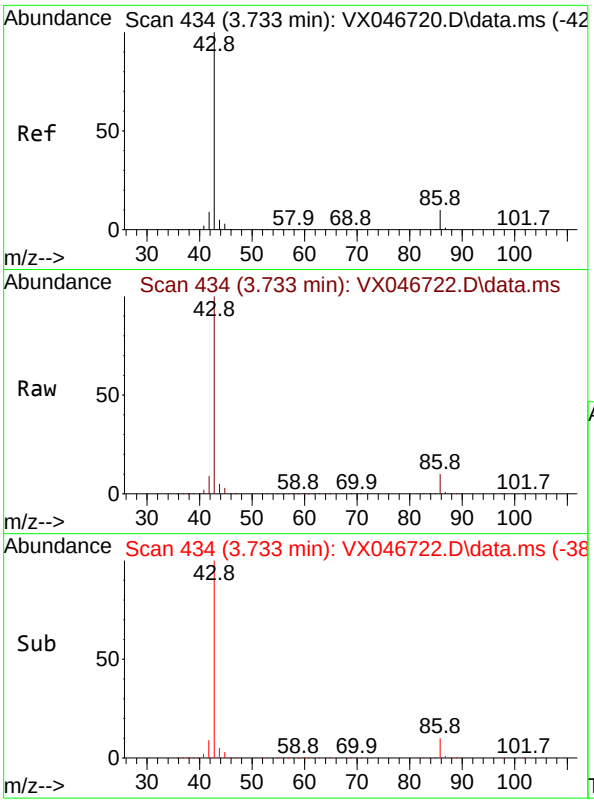



#22
Diisopropyl ether
Concen: 153.904 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 45 Resp: 638477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 115.7 | 91.9 | 137.9 |
| 87 | 26.6 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |

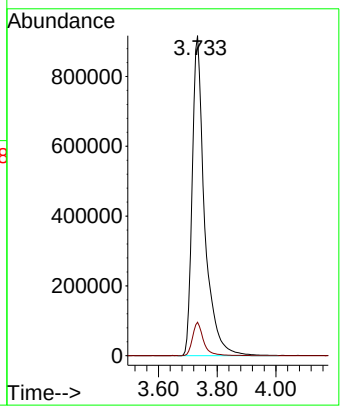





#23
Vinyl Acetate
Concen: 815.794 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 269126

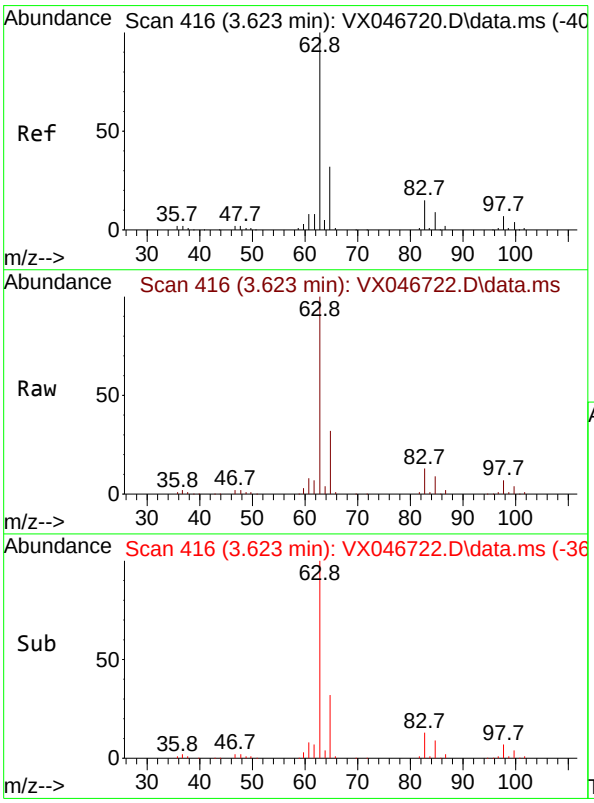
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

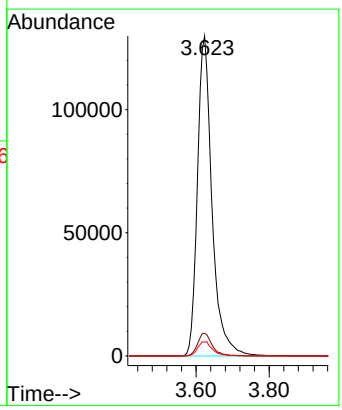
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

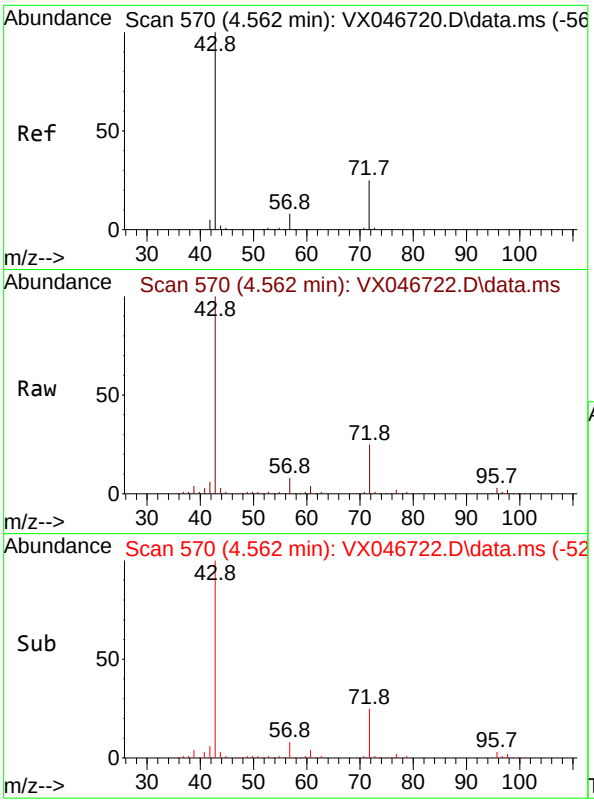



#24
1,1-Dichloroethane
Concen: 153.006 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 63 Resp: 360395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 4.0 | 11.9 |
| 100 | 4.3 | 2.2 | 6.6 |

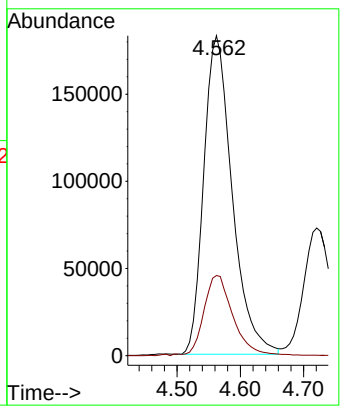





#25
2-Butanone
Concen: 811.132 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 57067

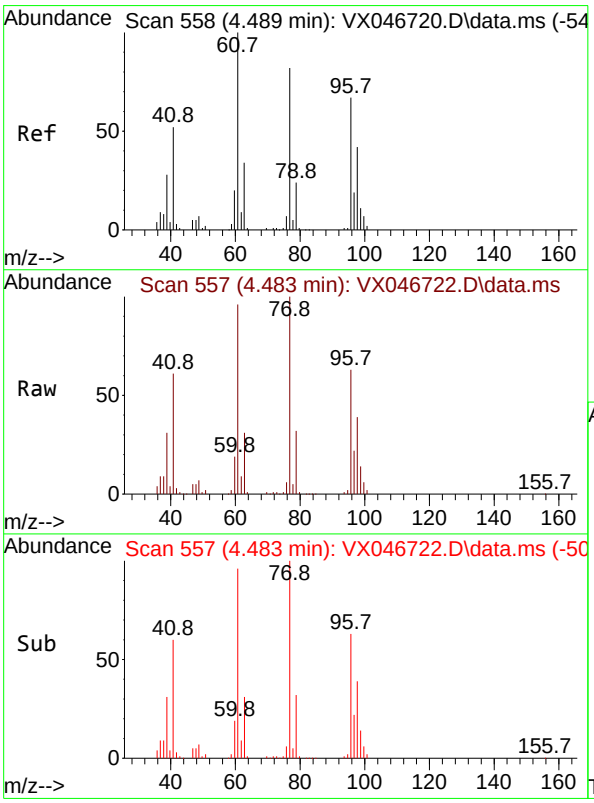
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

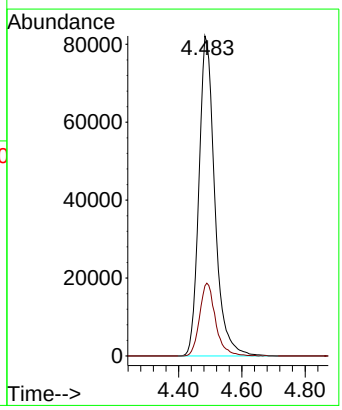
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

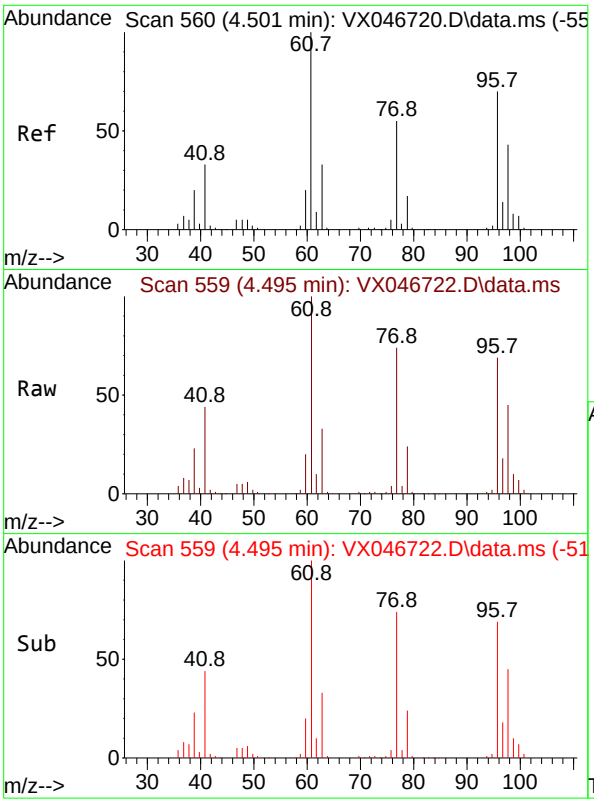



#26
2,2-Dichloropropane
Concen: 166.896 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 77 Resp: 286713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |

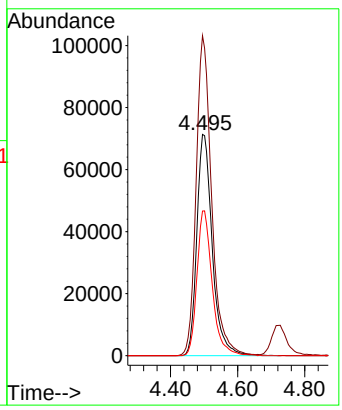





#27
cis-1,2-Dichloroethene
Concen: 152.112 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 96 Resp: 22778

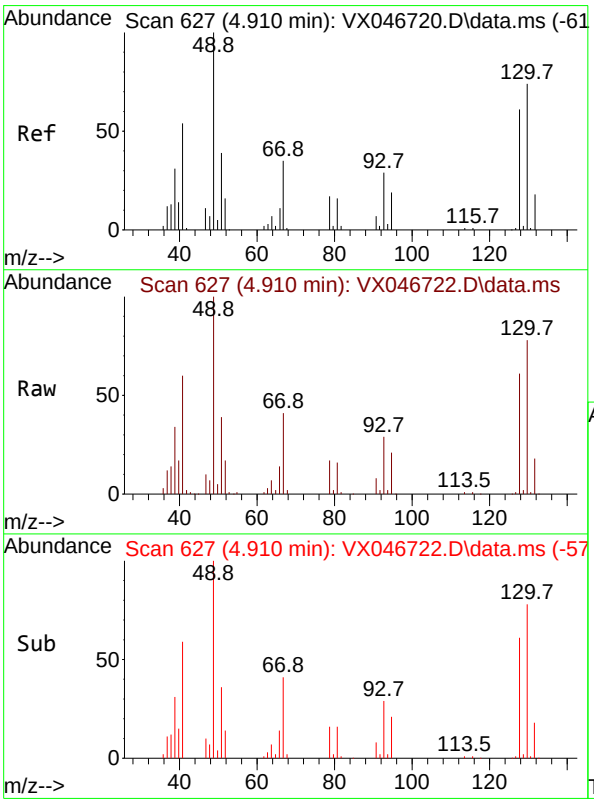
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.0 | 0.0 | 291.0 |
| 98 | 64.7 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

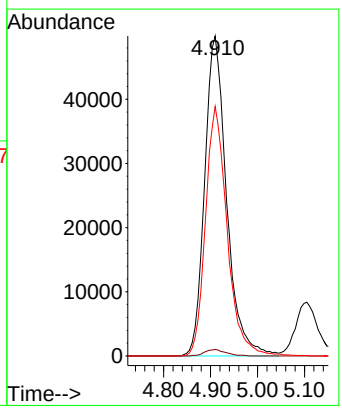
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

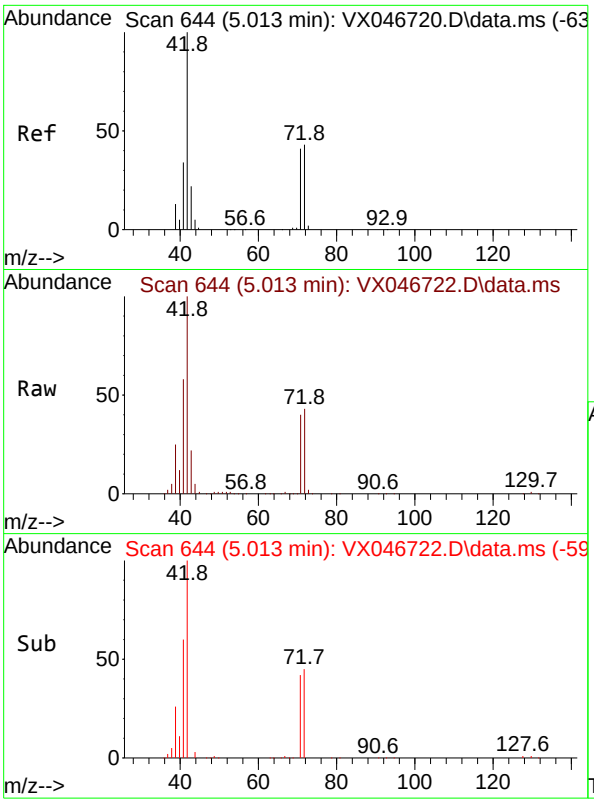



#28
Bromochloromethane
Concen: 151.520 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 49 Resp: 161801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 3.8 |
| 130 | 76.9 | 61.4 | 92.0 |

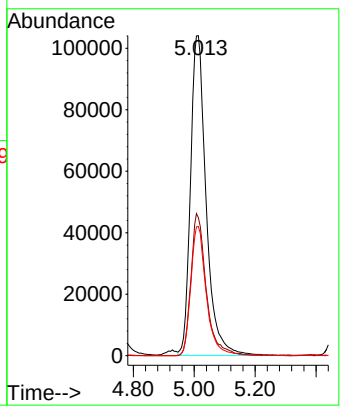





#29
Tetrahydrofuran
Concen: 815.879 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 42 Resp: 37076

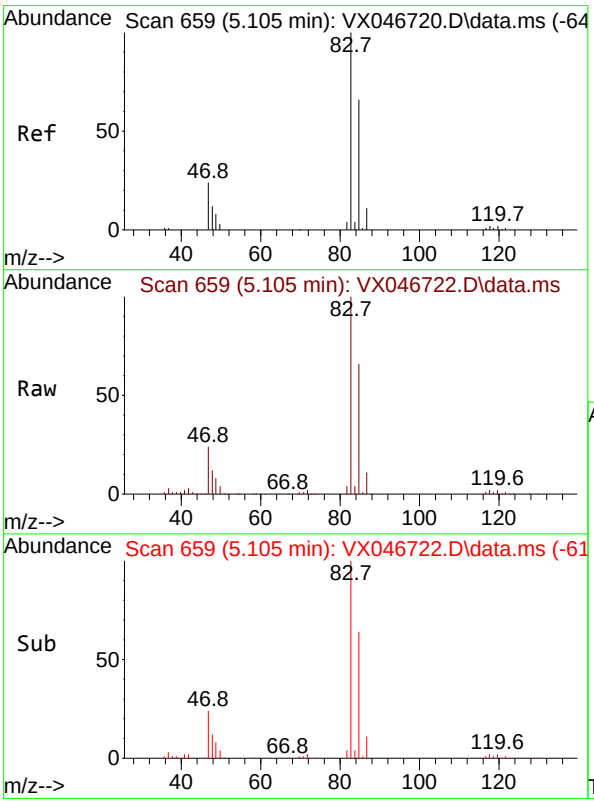
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.8 | 34.9 | 52.3 |
| 71 | 40.1 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

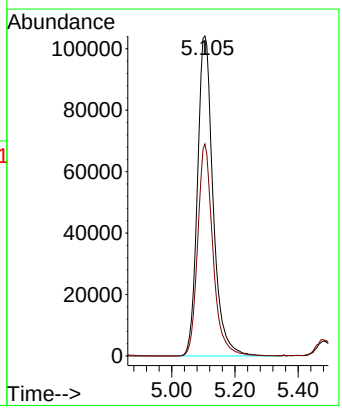
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

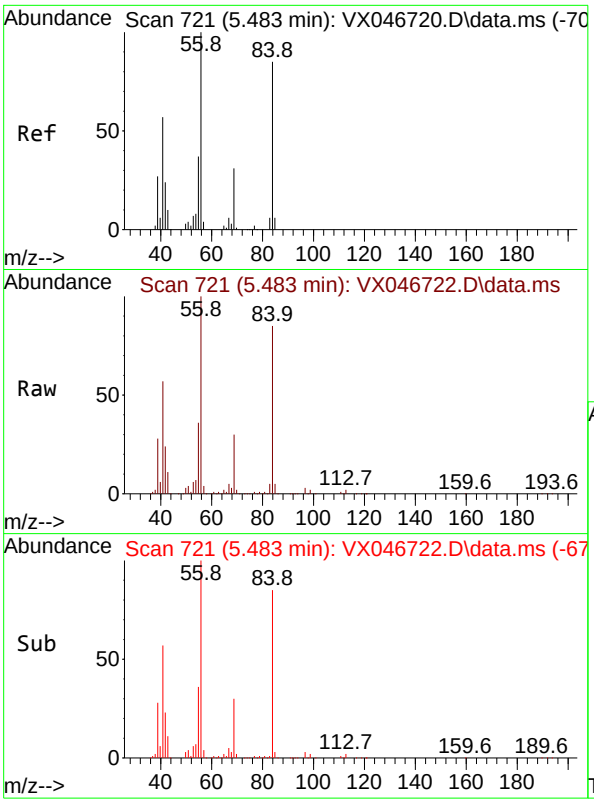



#30
Chloroform
Concen: 152.312 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 83 Resp: 358782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.2 | 53.7 | 80.5 |

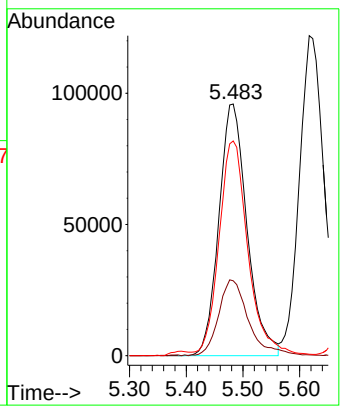





#31
Cyclohexane
Concen: 147.842 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 56 Resp: 33023

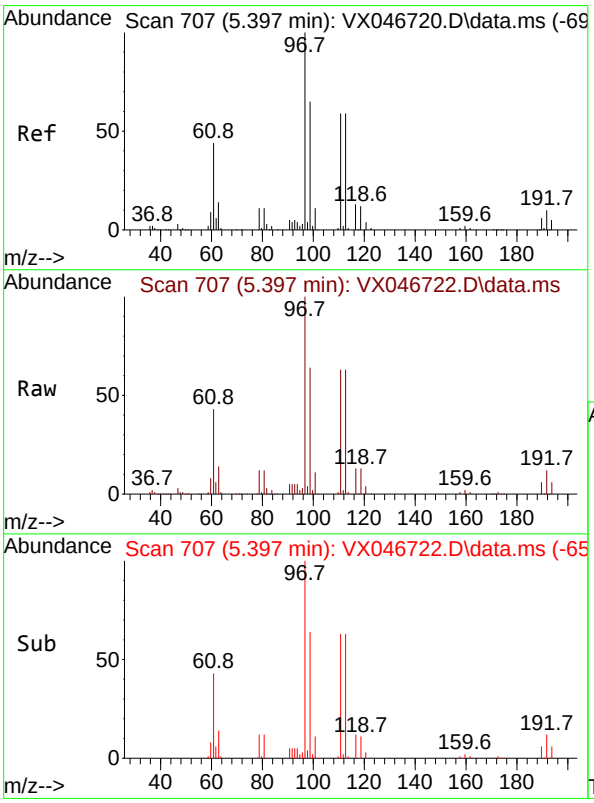
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 24.8 | 37.2 |
| 84 | 83.6 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

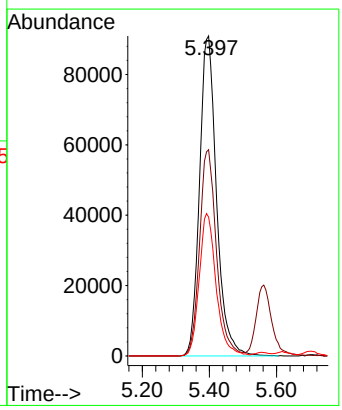
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

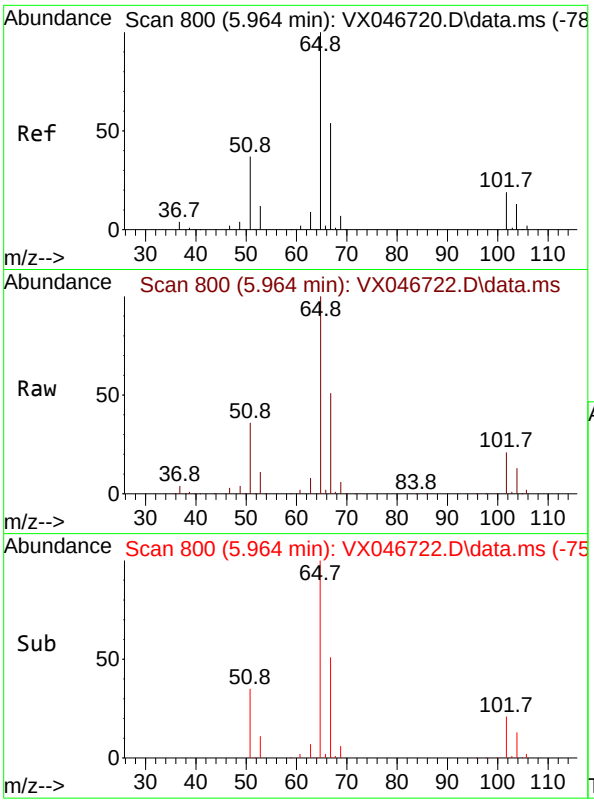



#32
1,1,1-Trichloroethane
Concen: 155.082 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 97 Resp: 320382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.3 | 76.9 |
| 61 | 44.3 | 36.4 | 54.6 |

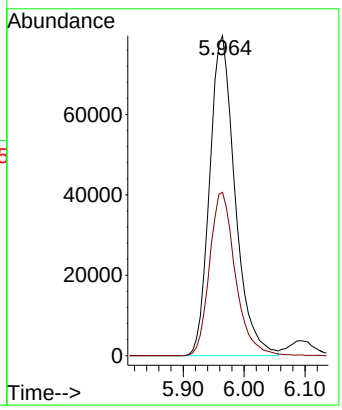





#33
1,2-Dichloroethane-d4
Concen: 154.797 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 65 Resp: 23091

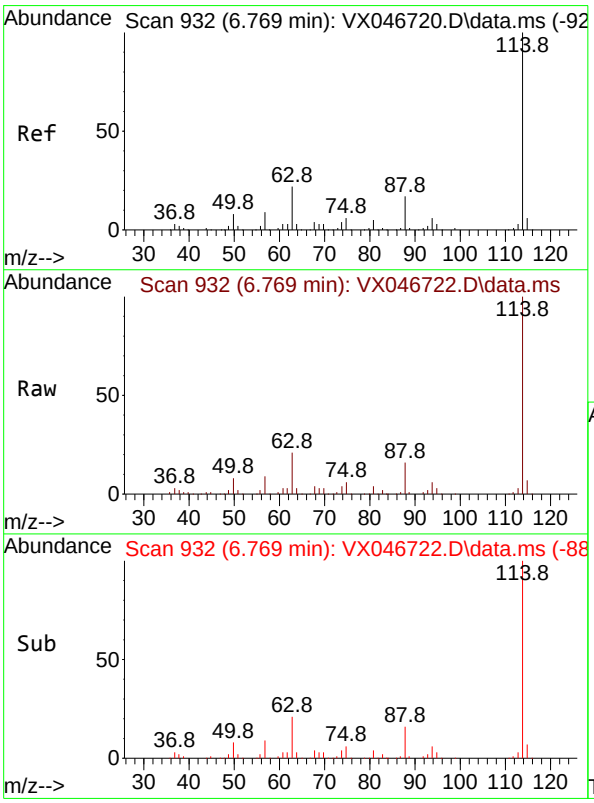
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

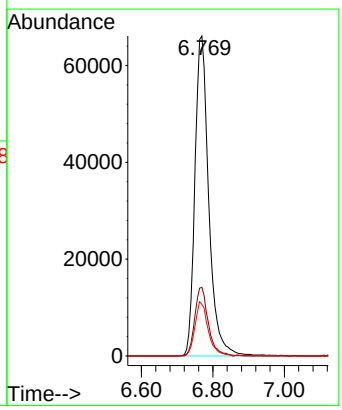
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

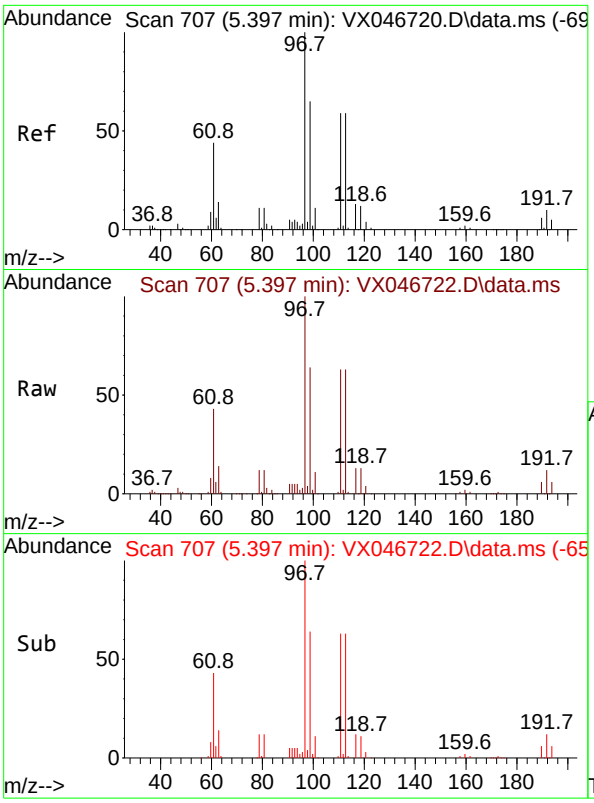



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:114 Resp: 178346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

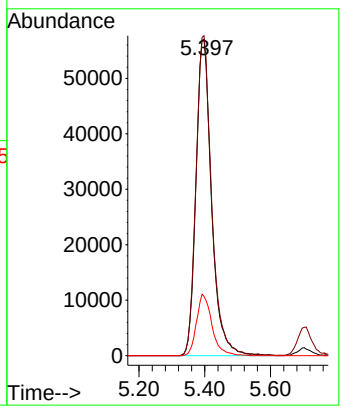





#35
Dibromofluoromethane
Concen: 158.930 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:113 Resp: 18753

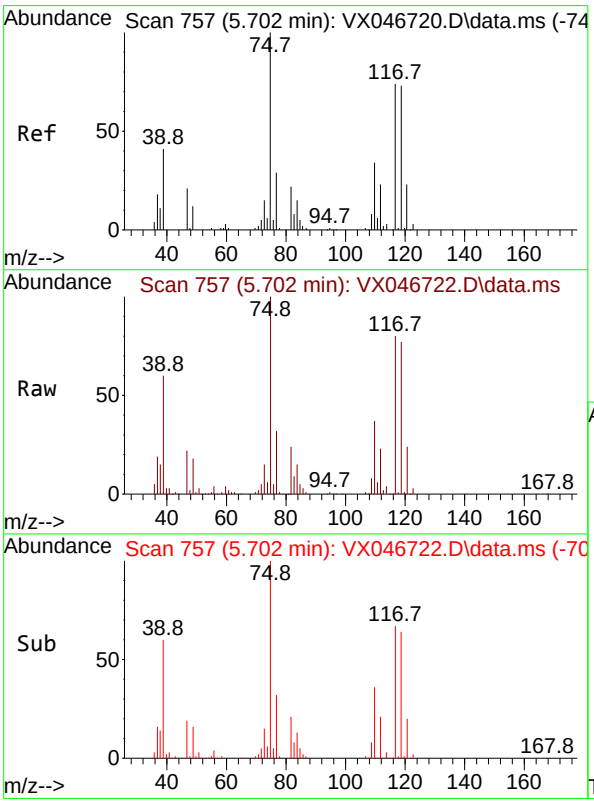
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.0 | 123.0 |
| 192 | 19.2 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

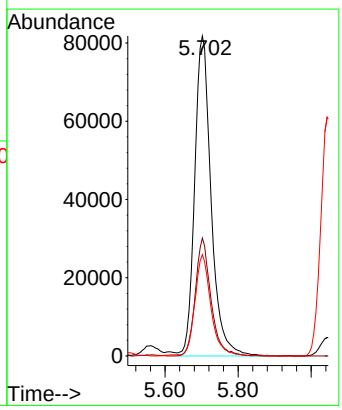
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

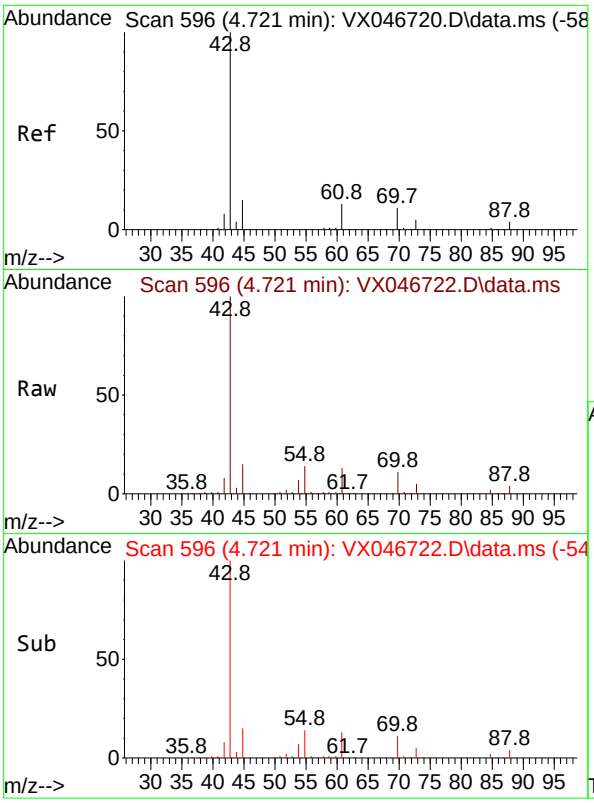



#36
1,1-Dichloropropene
Concen: 150.653 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 256619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.2 | 51.5 |
| 77 | 31.0 | 24.2 | 36.4 |

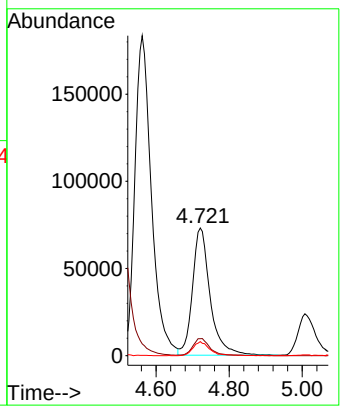





#37
Ethyl Acetate
Concen: 156.284 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 24572

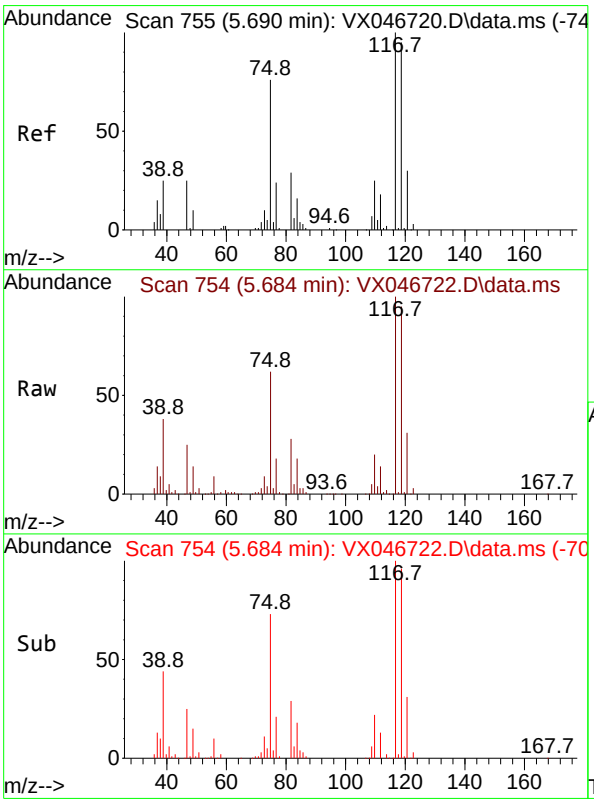
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.7 | 14.5 |
| 70 | 10.4 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

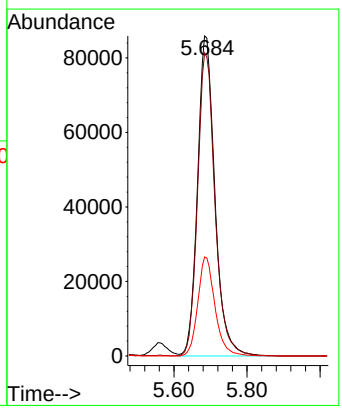
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

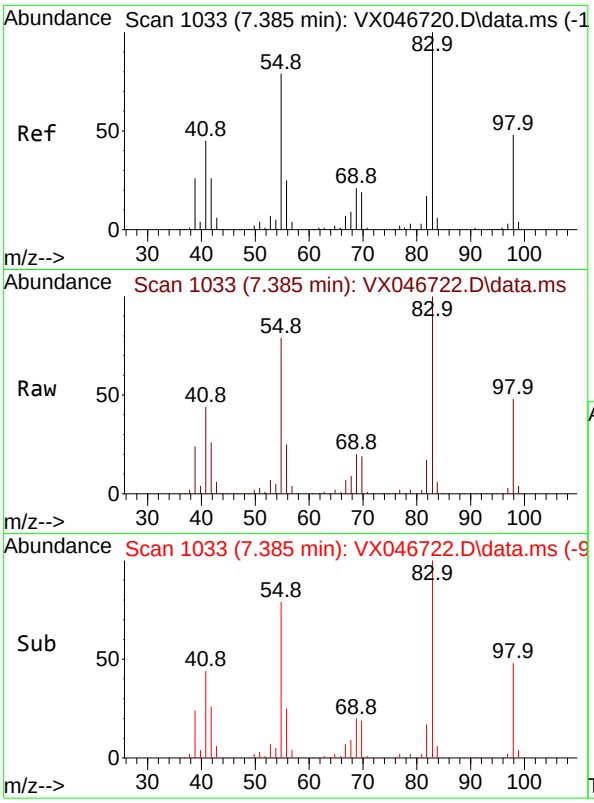



#38
Carbon Tetrachloride
Concen: 153.668 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:117 Resp: 284066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 75.2 | 112.8 |
| 121 | 30.9 | 24.1 | 36.1 |

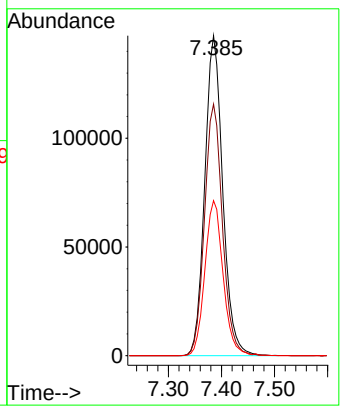





#39
Methylcyclohexane
Concen: 154.413 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 83 Resp: 34611

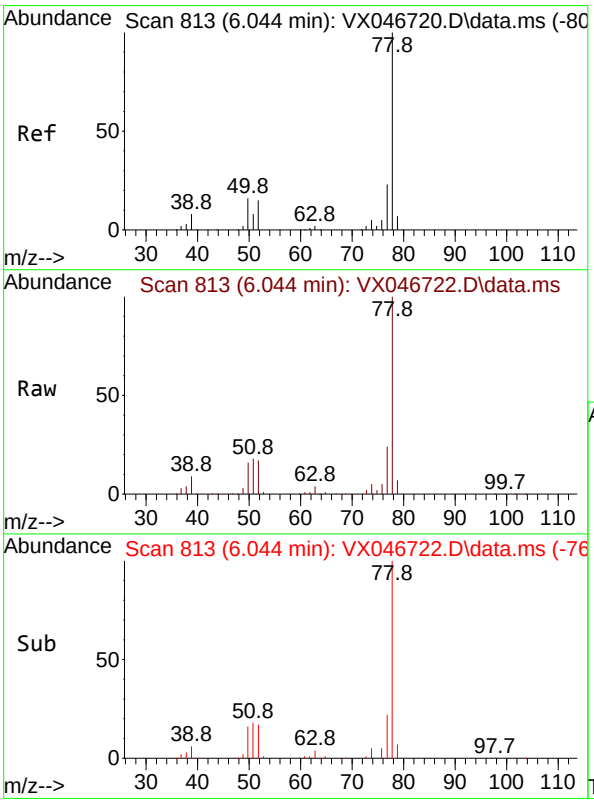
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.6 | 63.0 | 94.4 |
| 98 | 48.5 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

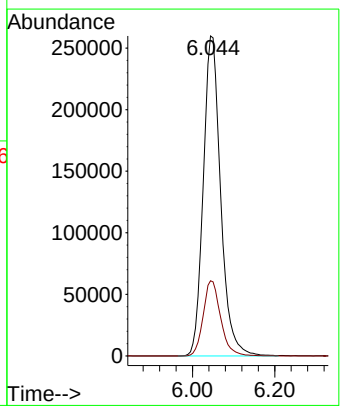
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

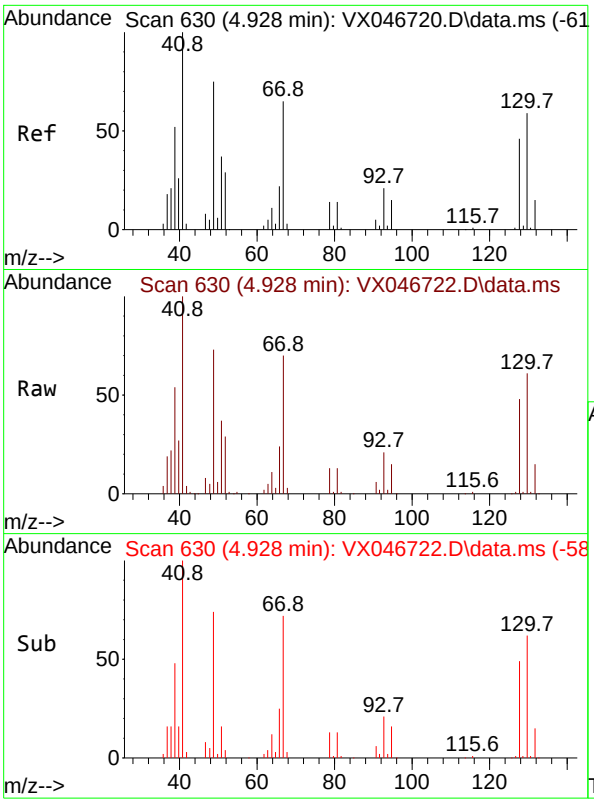



#40
Benzene
Concen: 151.423 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 78 Resp: 763341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

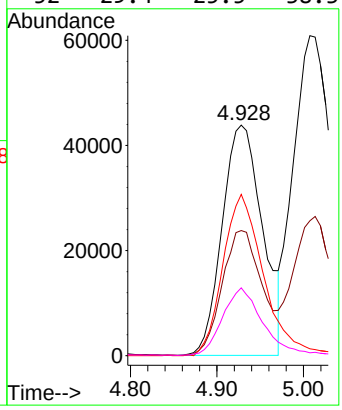





#41
Methacrylonitrile
Concen: 169.745 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 41 Resp: 14228

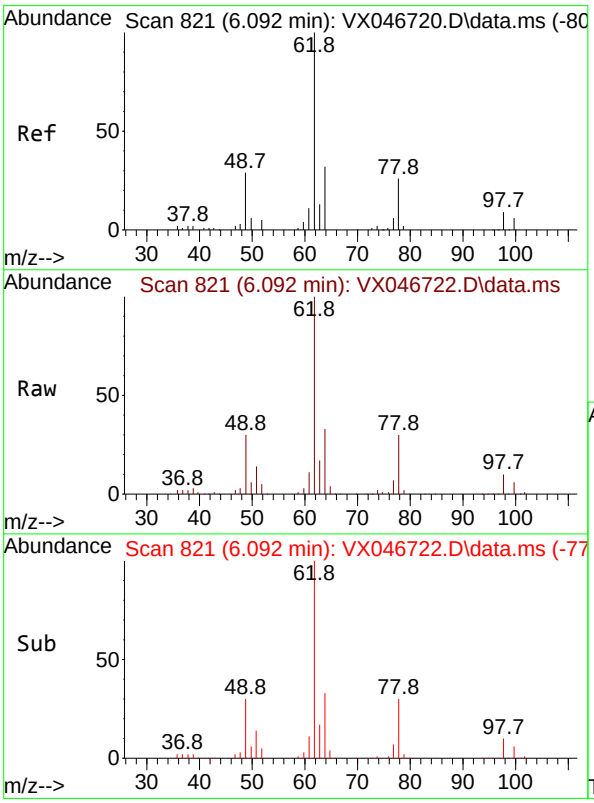
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.0 | 45.9 | 68.9 |
| 67 | 71.3 | 61.2 | 91.8 |
| 52 | 29.4 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

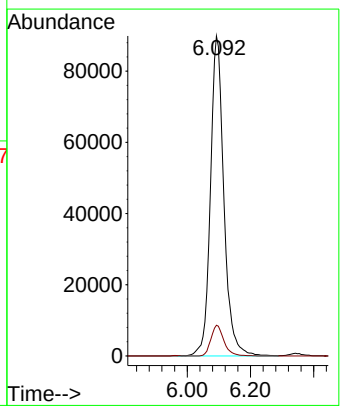
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

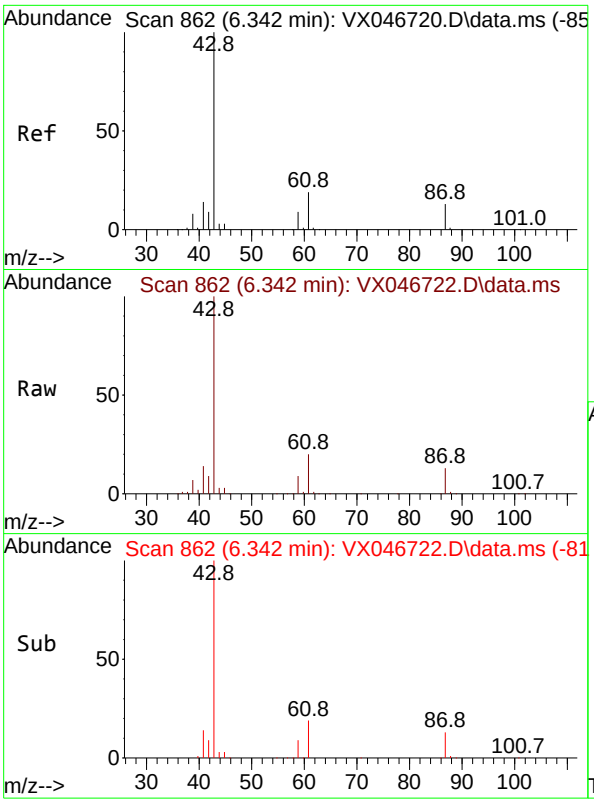



#42
1,2-Dichloroethane
Concen: 150.011 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 62 Resp: 265740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |

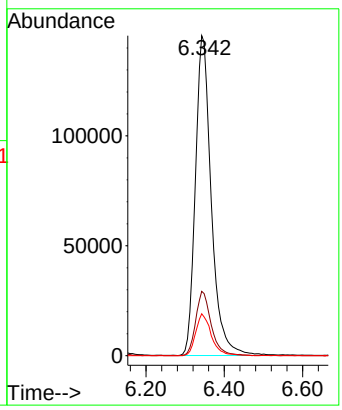





#43
Isopropyl Acetate
Concen: 167.483 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 41206

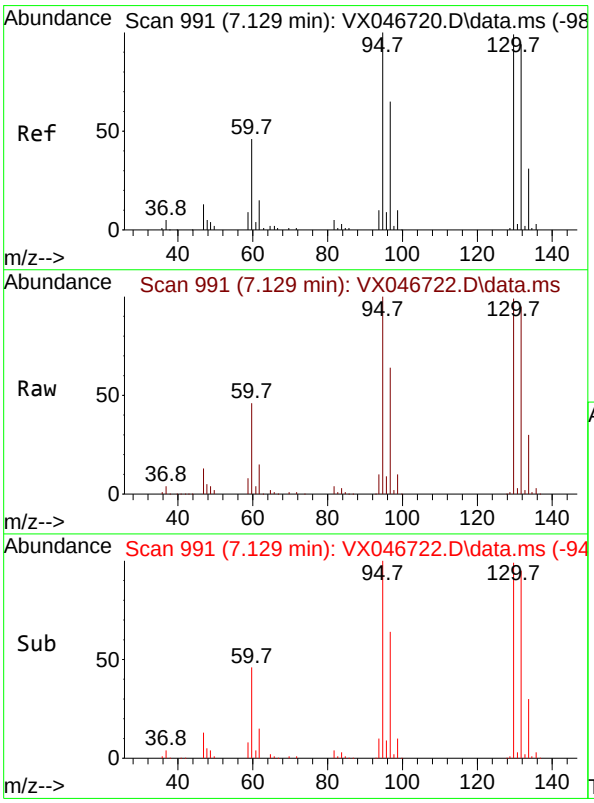
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.6 | 15.3 | 22.9 |
| 87 | 12.8 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

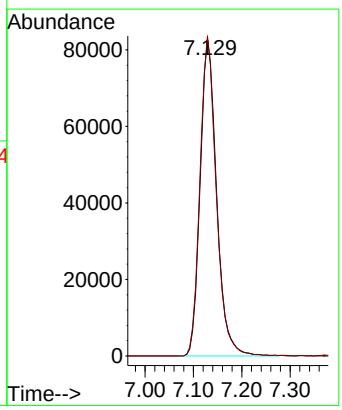
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

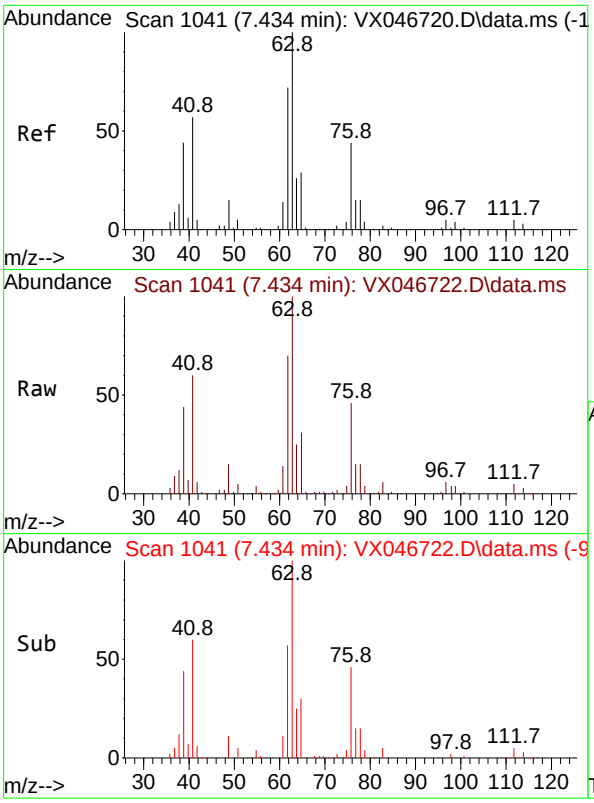



#44
Trichloroethene
Concen: 152.520 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:130 Resp: 195943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 202.6 |

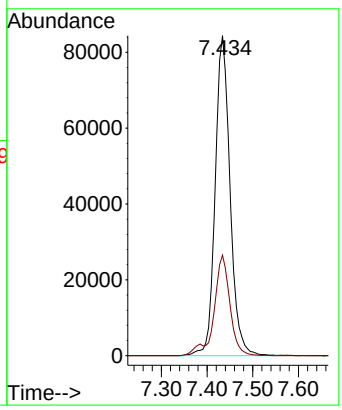





#45
1,2-Dichloropropane
Concen: 153.025 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 63 Resp: 19118

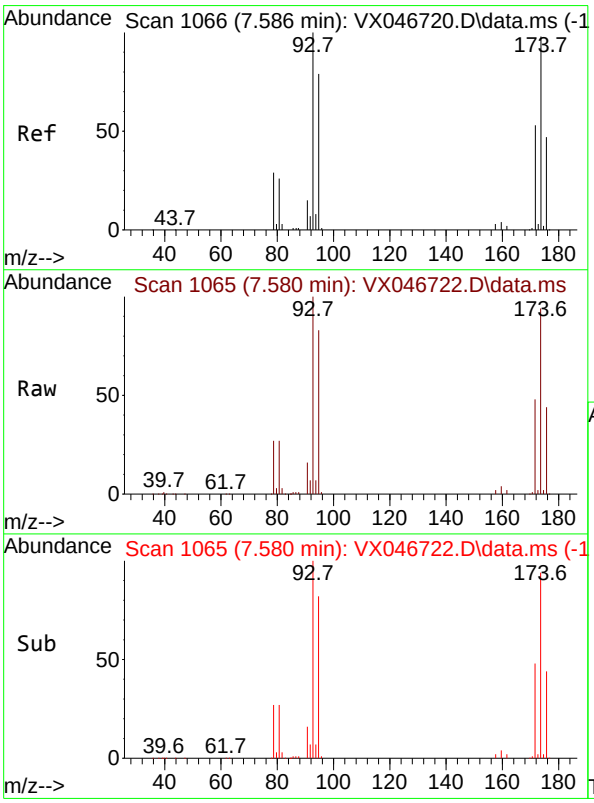
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

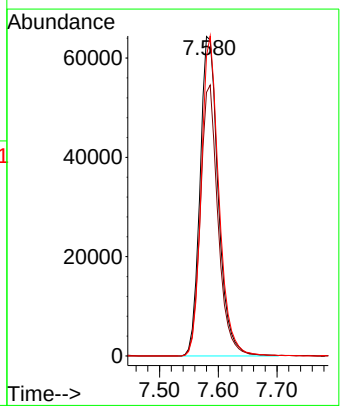
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

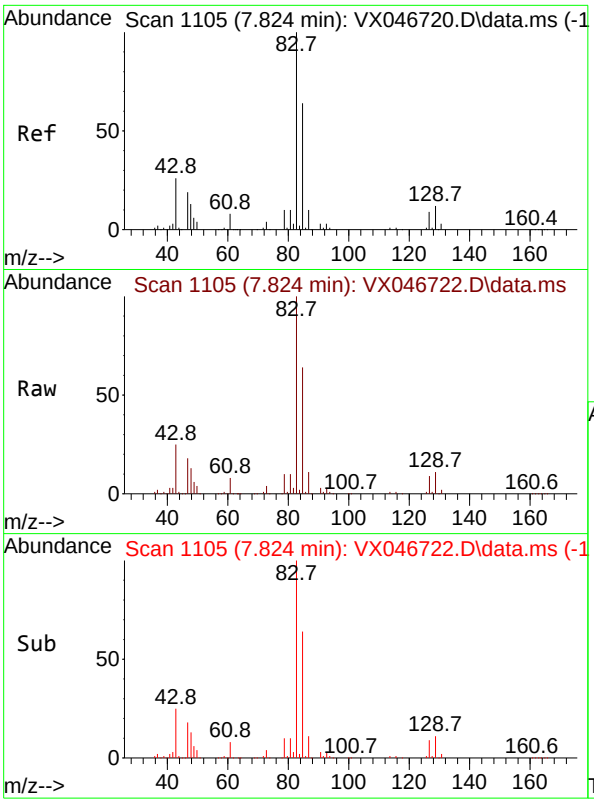



#46
Dibromomethane
Concen: 154.297 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 93 Resp: 138541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.2 | 66.2 | 99.4 |
| 174 | 97.0 | 77.0 | 115.6 |

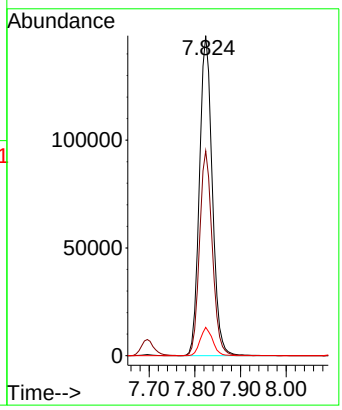





#47
Bromodichloromethane
Concen: 157.630 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 83 Resp: 28882

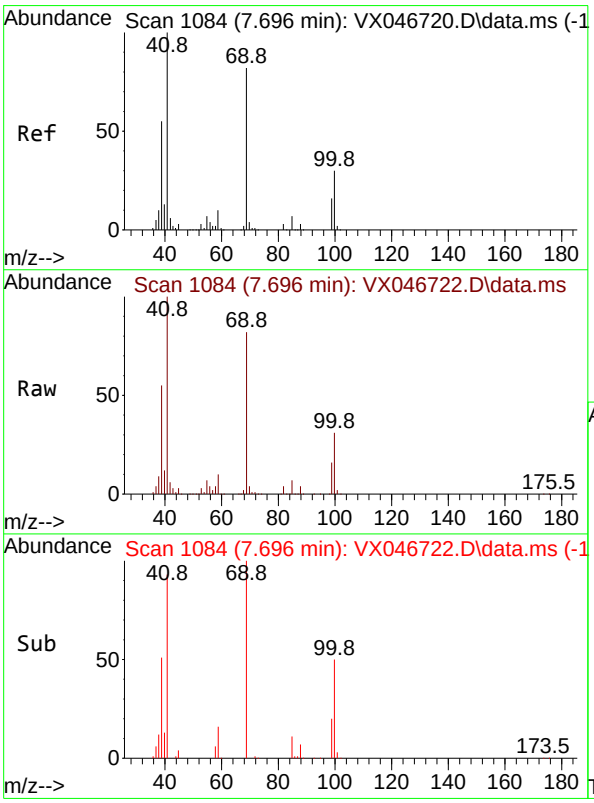
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.0 | 51.4 | 77.2 |
| 127 | 8.8 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

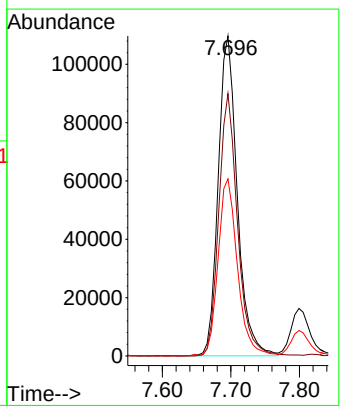
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

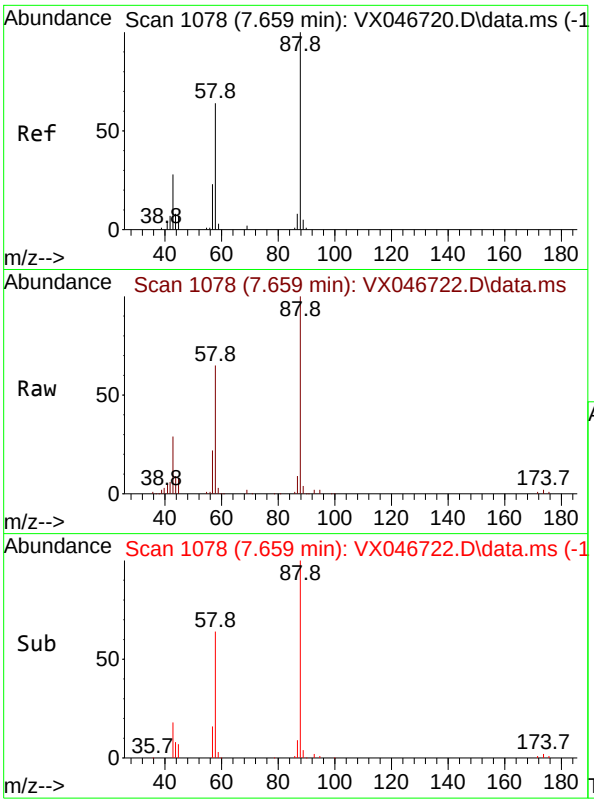



#48
Methyl methacrylate
Concen: 171.734 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 41 Resp: 211908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 63.4 | 95.2 |
| 39 | 56.3 | 45.4 | 68.0 |

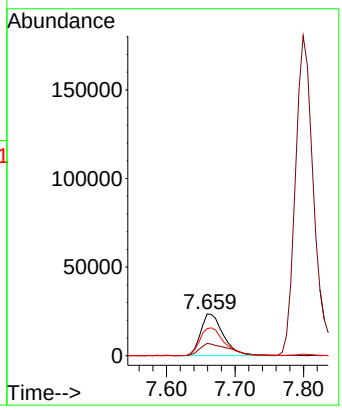





#49
1,4-Dioxane
Concen: 2987.386 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 88 Resp: 5464

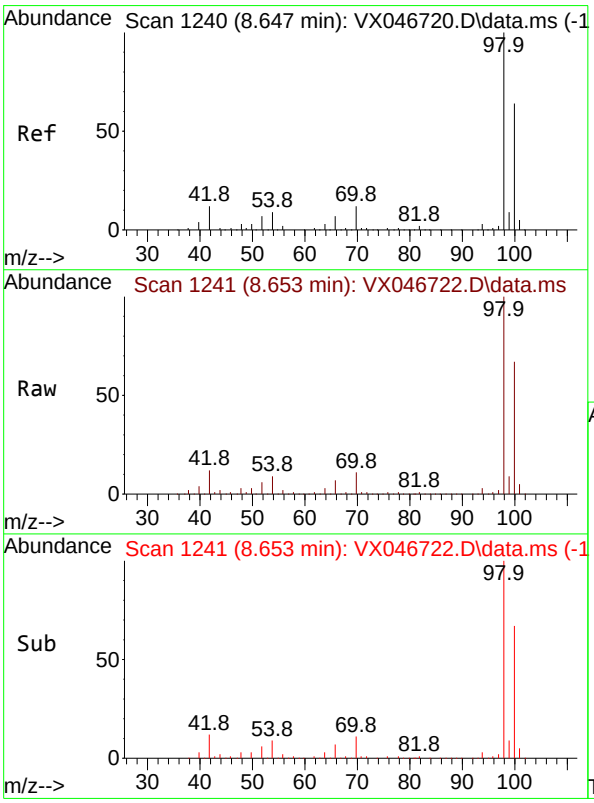
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 31.2 | 46.8 |
| 58 | 71.8 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

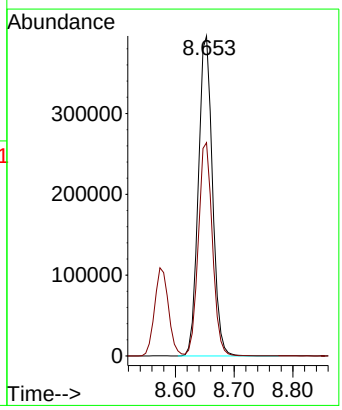
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

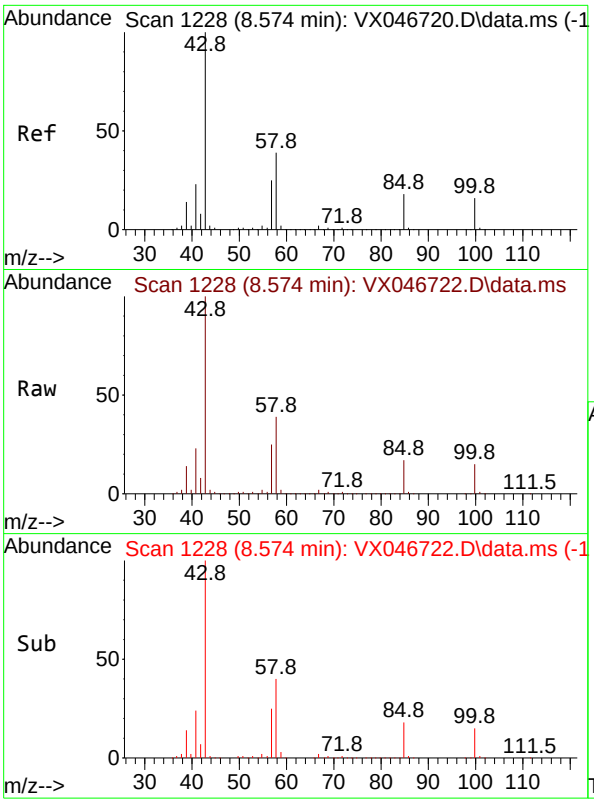



#50
Toluene-d8
Concen: 155.733 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 98 Resp: 660221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

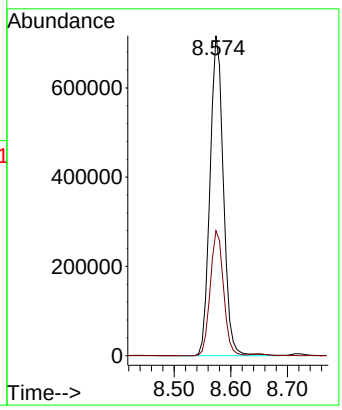





#51
4-Methyl-2-Pentanone
Concen: 799.825 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 117366

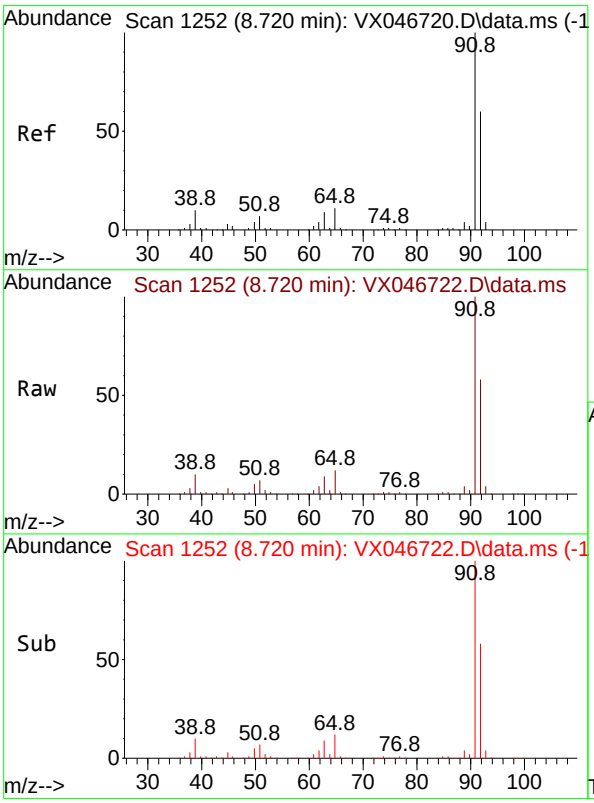
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

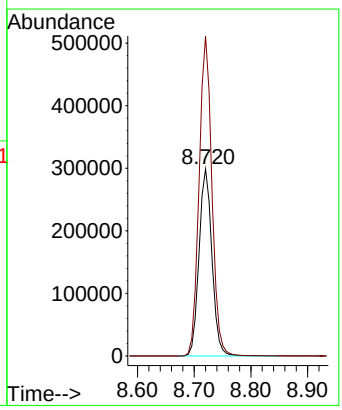
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

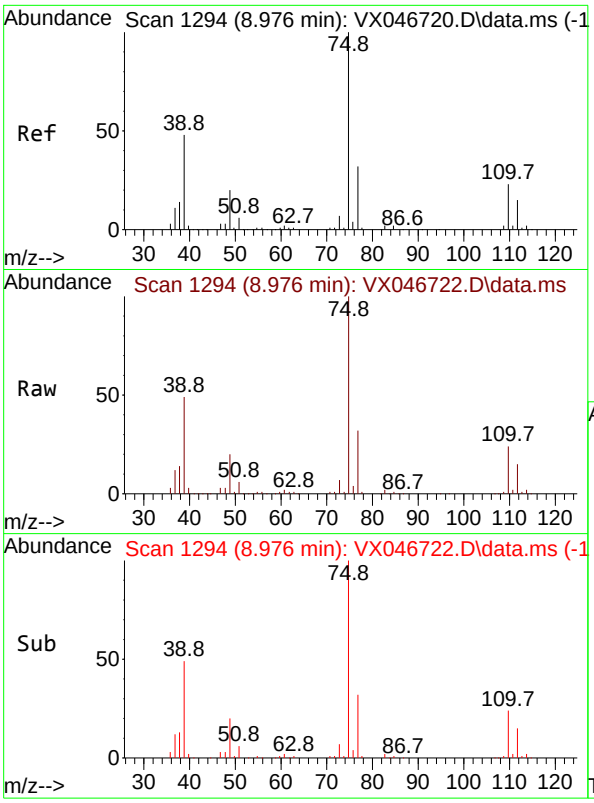



#52
Toluene
Concen: 150.800 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 92 Resp: 471273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.7 | 134.8 | 202.2 |

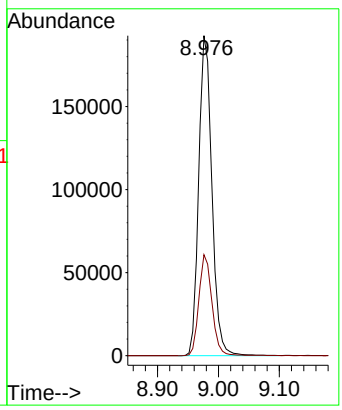





#53
t-1,3-Dichloropropene
Concen: 169.929 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 28889

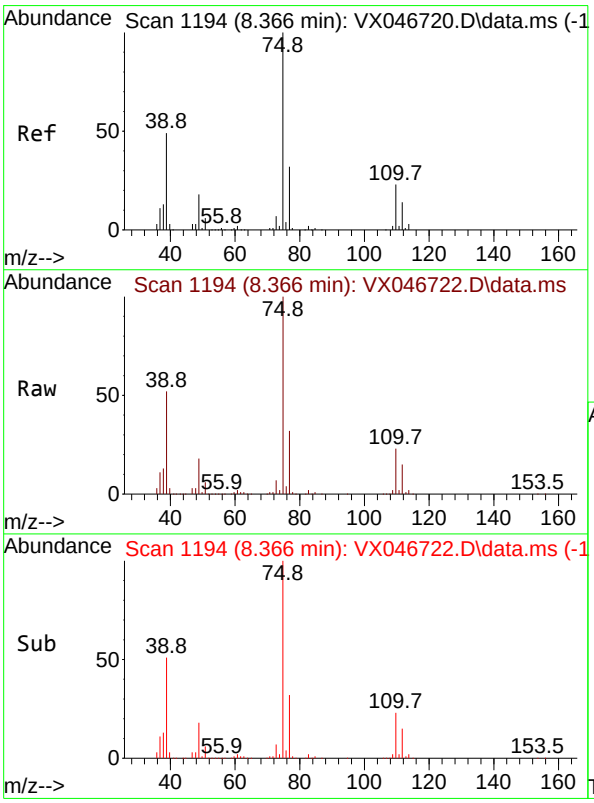
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

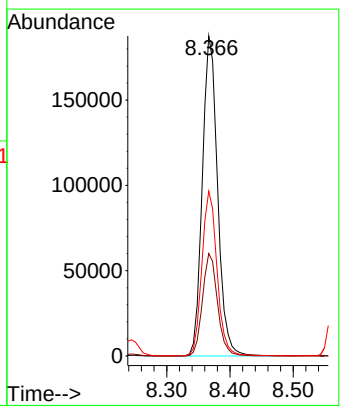
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

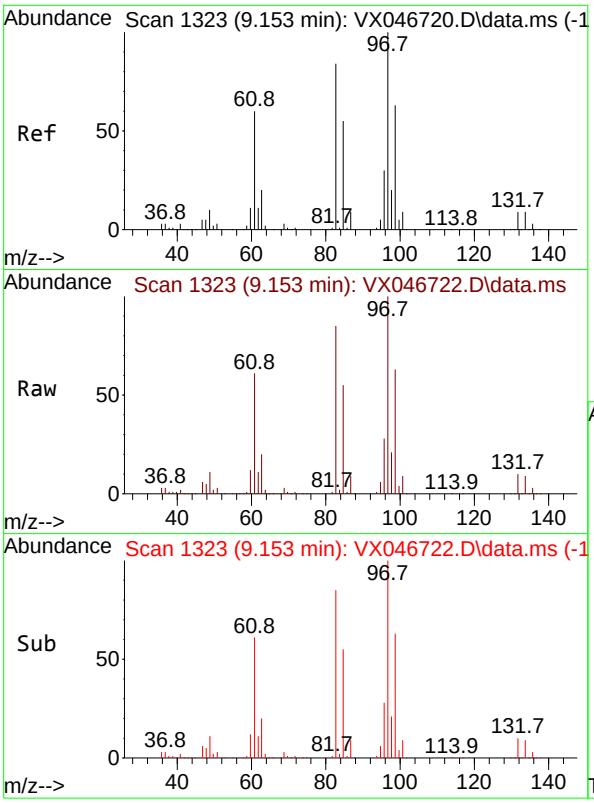



#54
cis-1,3-Dichloropropene
Concen: 163.198 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 314965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.3 | 37.9 |
| 39 | 51.4 | 39.2 | 58.8 |

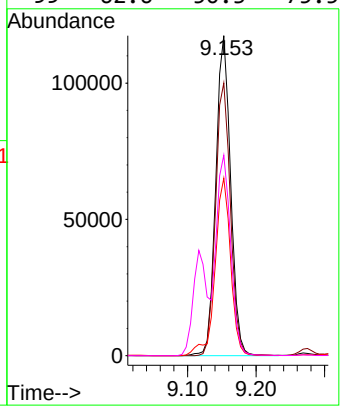





#55
1,1,2-Trichloroethane
Concen: 151.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 97 Resp: 17597

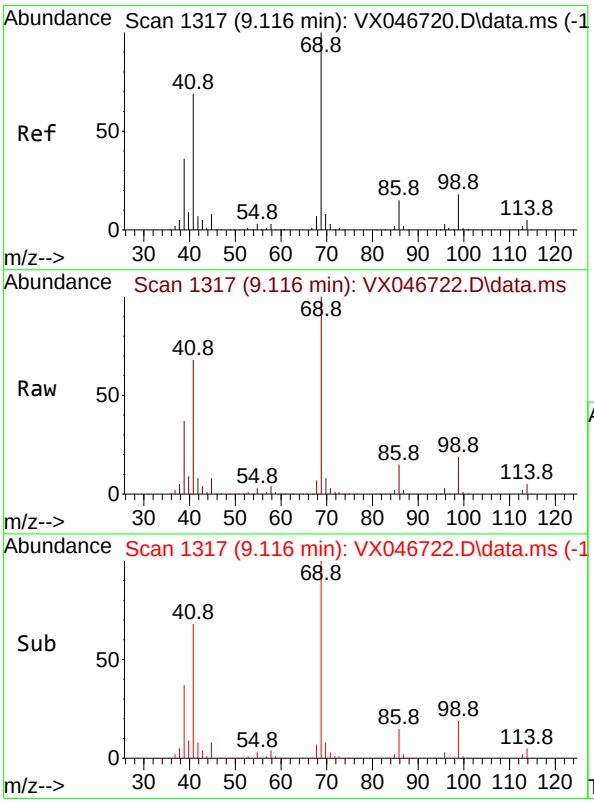
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 67.2 | 100.8 |
| 85 | 55.5 | 44.1 | 66.1 |
| 99 | 62.6 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

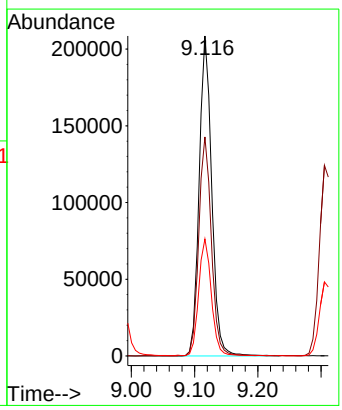
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

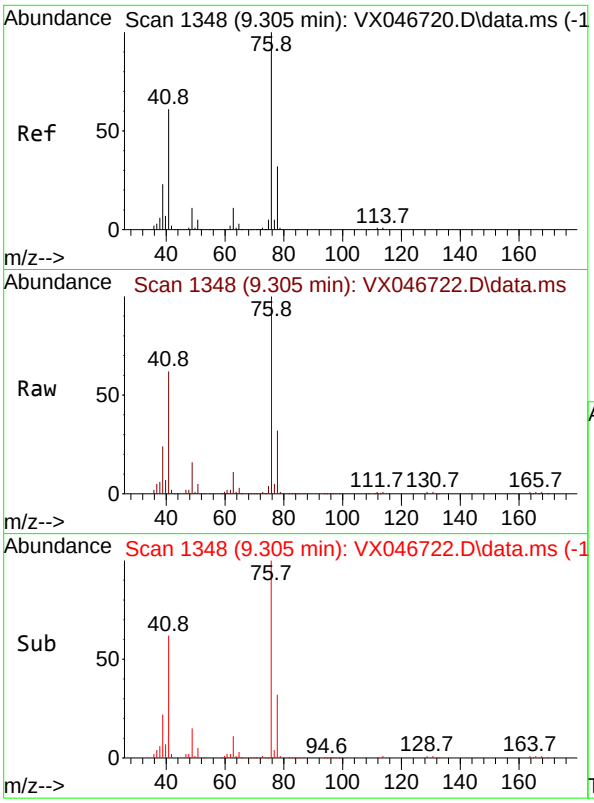



#56
Ethyl methacrylate
Concen: 167.940 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 69 Resp: 288720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |

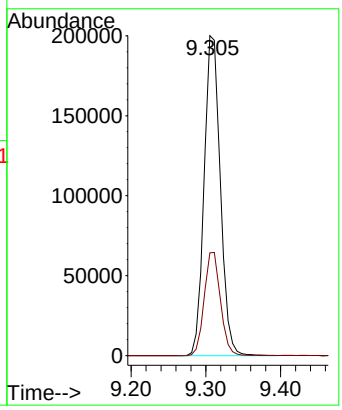





#57
1,3-Dichloropropane
Concen: 150.290 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 76 Resp: 30141

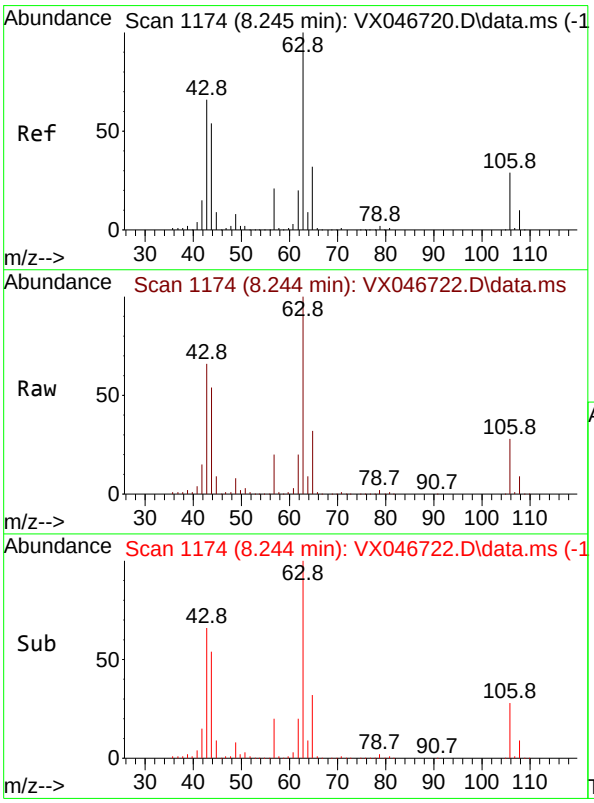
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

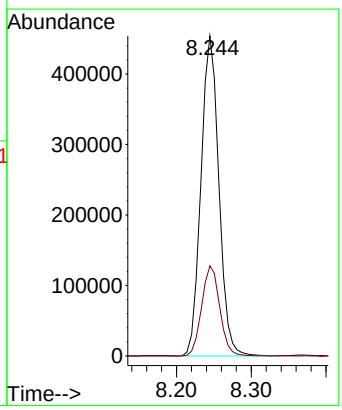
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

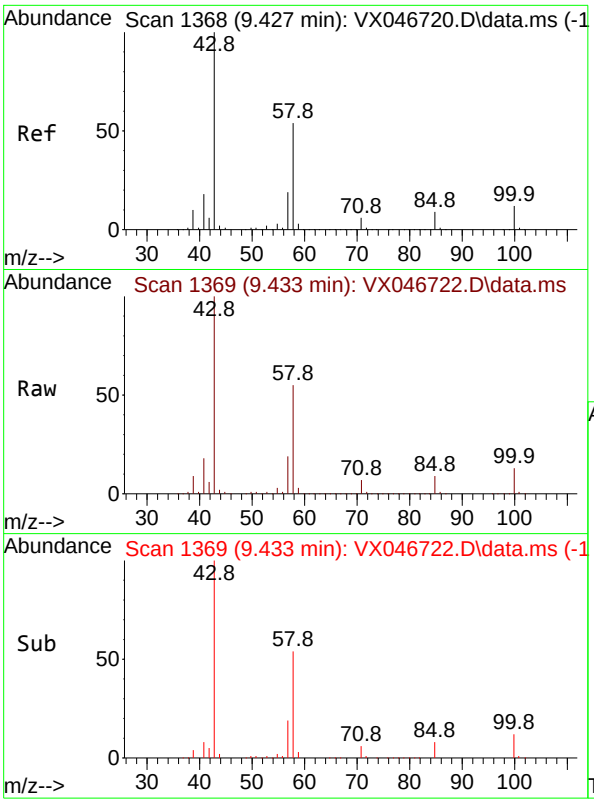



#58
2-Chloroethyl Vinyl ether
Concen: 845.118 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 63 Resp: 754730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |

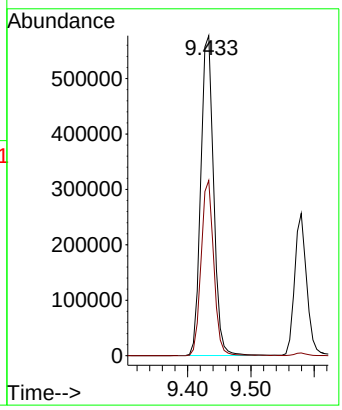





#59
2-Hexanone
Concen: 805.005 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 81665

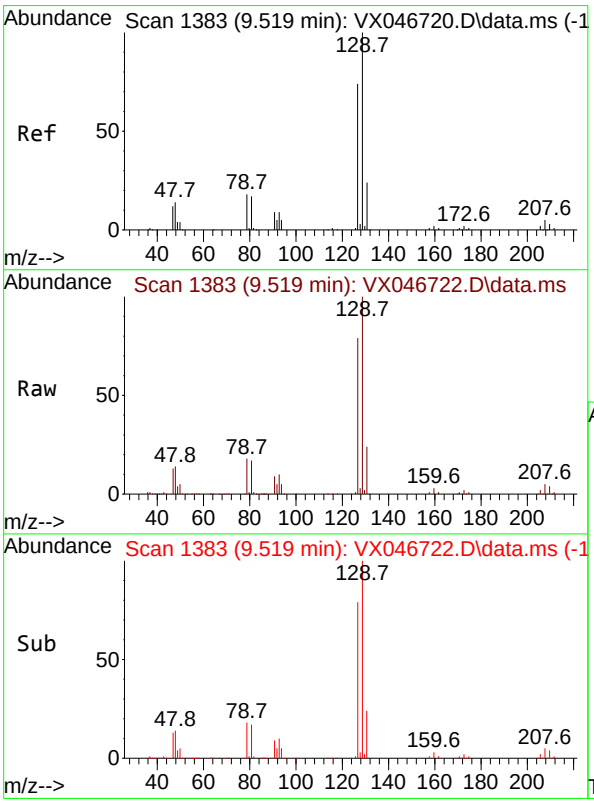
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.1 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

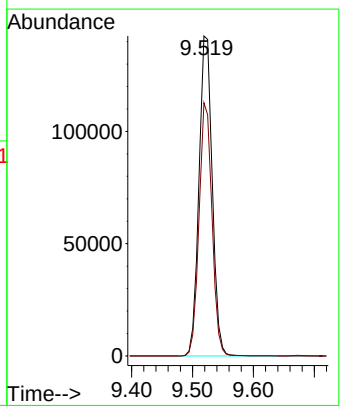
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

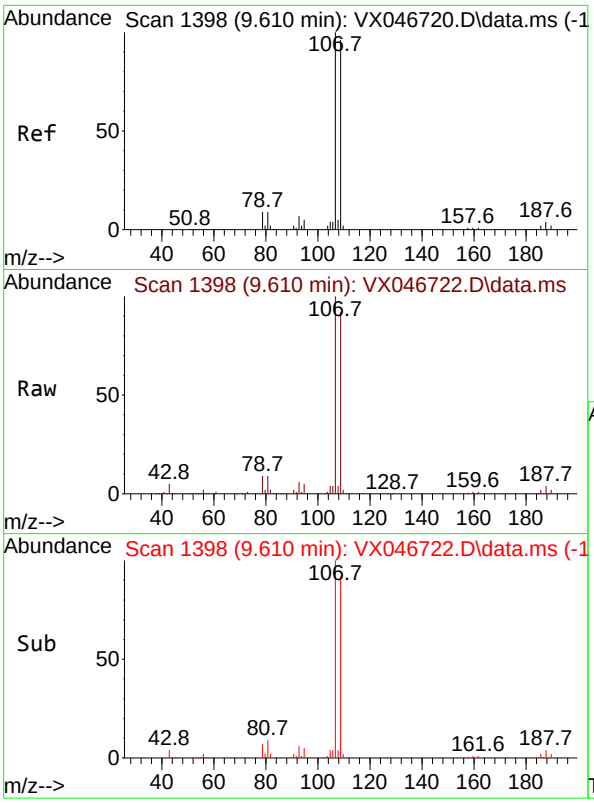



#60
Dibromochloromethane
Concen: 156.904 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:129 Resp: 215347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.4 | 115.2 |

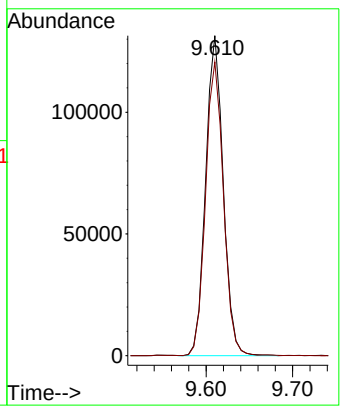





#61
1,2-Dibromoethane
Concen: 156.392 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:107 Resp: 18526

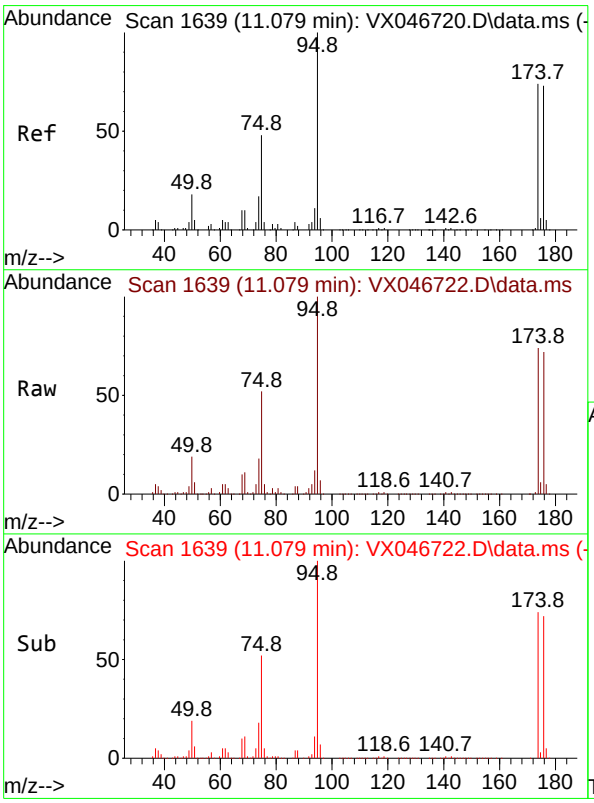
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.6 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

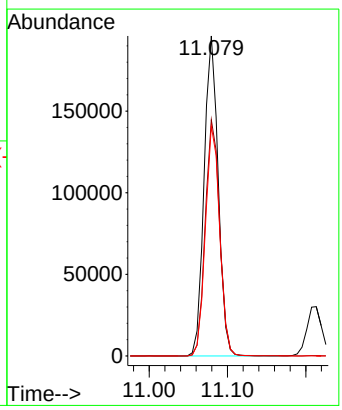
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

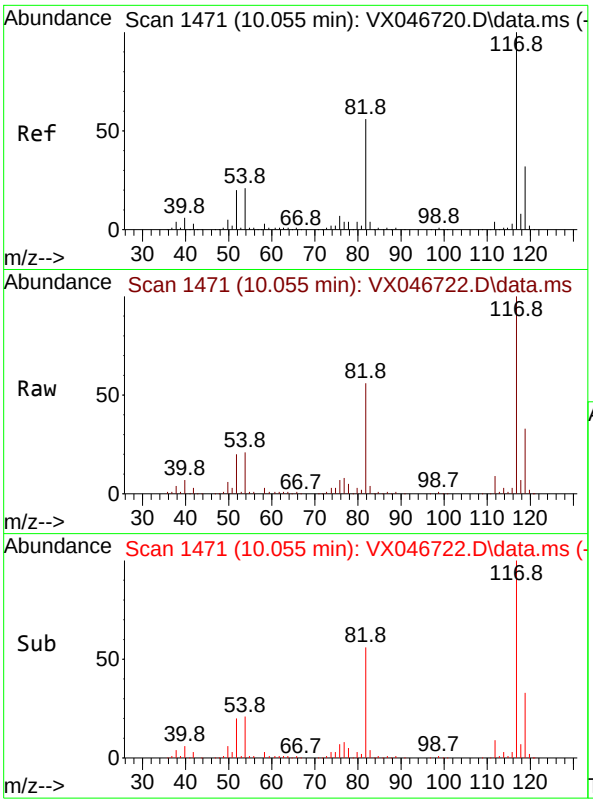



#62
4-Bromofluorobenzene
Concen: 154.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 95 Resp: 244007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 72.7 | 0.0 | 145.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

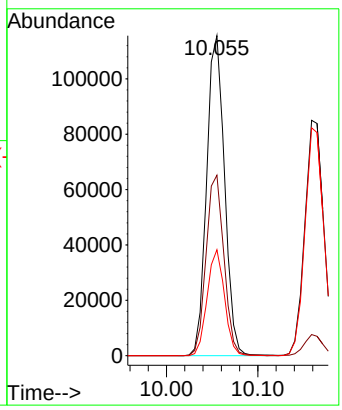
Tgt Ion:117 Resp: 15697

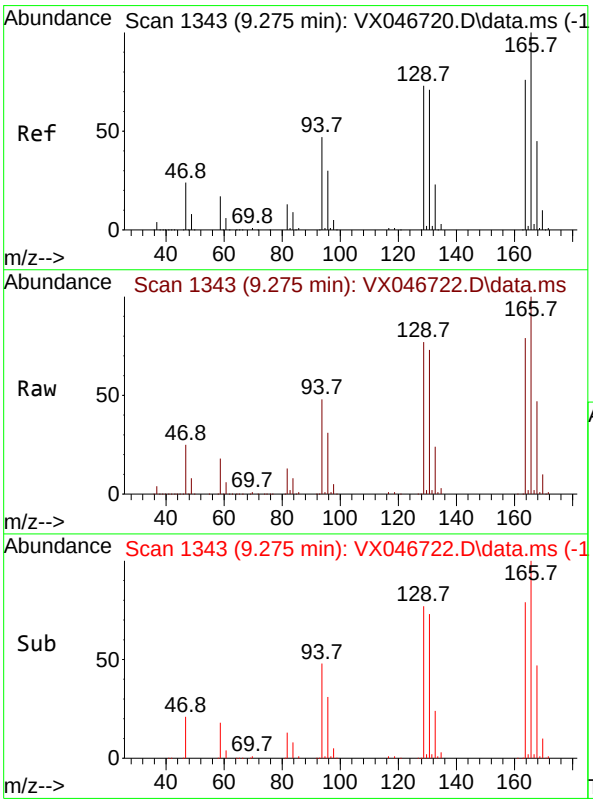
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 44.6 | 66.8 |
| 119 | 33.1 | 25.8 | 38.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

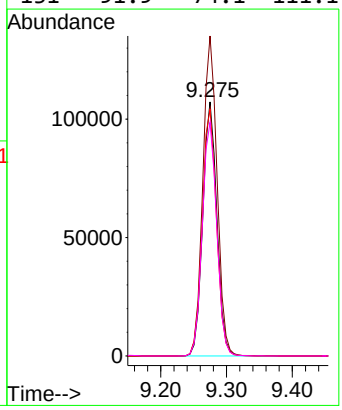


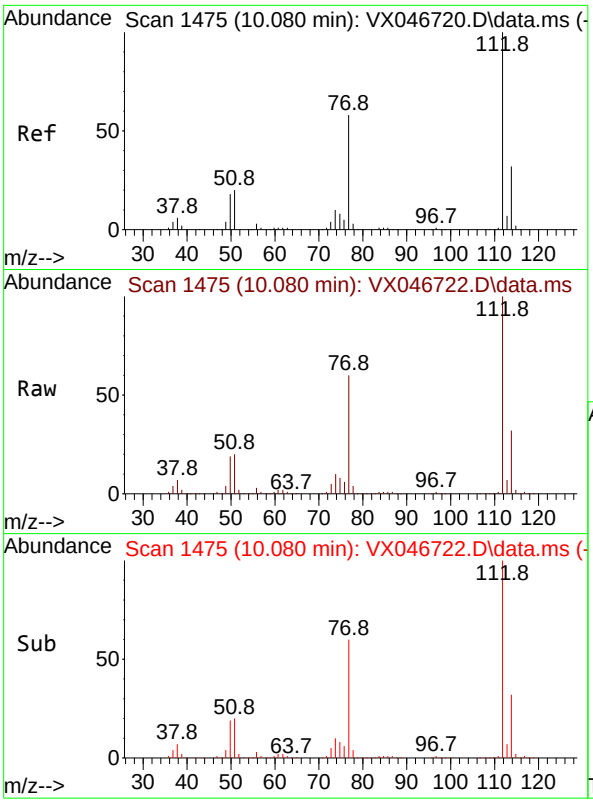




#64
Tetrachloroethene
Concen: 146.895 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:164 Resp: 159752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 104.6 | 157.0 |
| 129 | 97.1 | 76.3 | 114.5 |
| 131 | 91.9 | 74.1 | 111.1 |

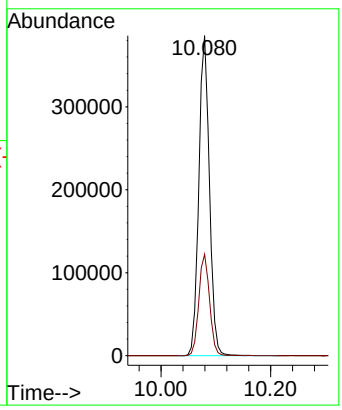





#65
Chlorobenzene
Concen: 149.453 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:112 Resp: 51785

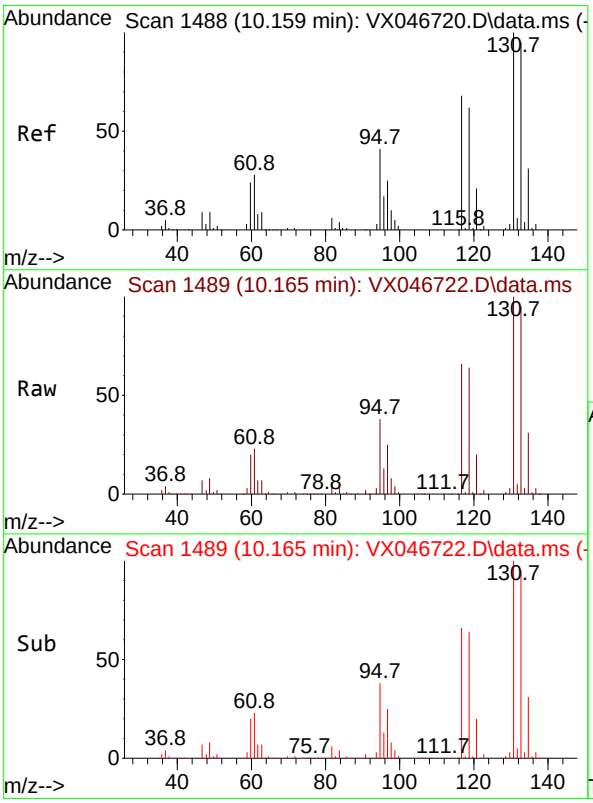
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

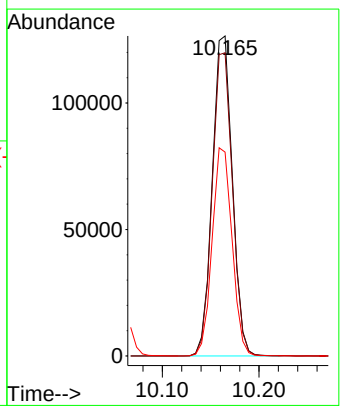
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

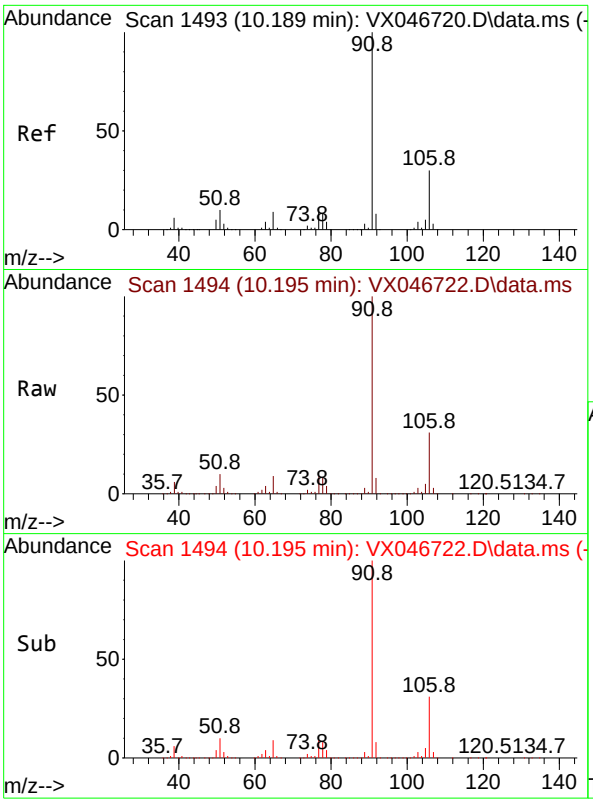



#66
1,1,1,2-Tetrachloroethane
Concen: 156.268 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:131 Resp: 181981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.5 | 47.3 | 141.8 |
| 119 | 64.7 | 32.1 | 96.3 |

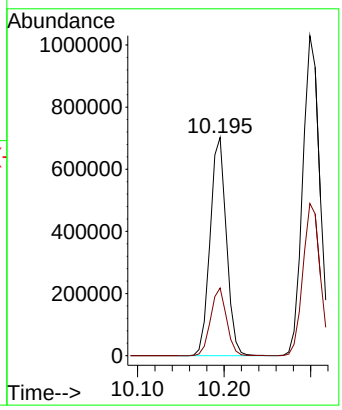





#67
Ethyl Benzene
Concen: 151.251 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 91572

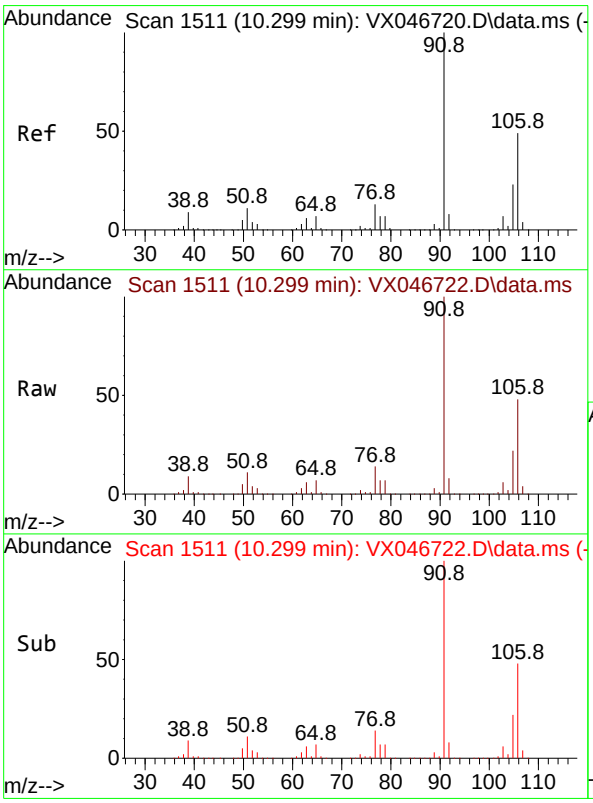
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

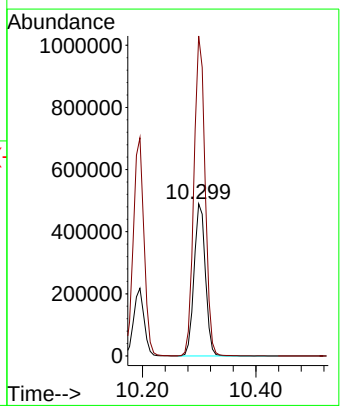
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

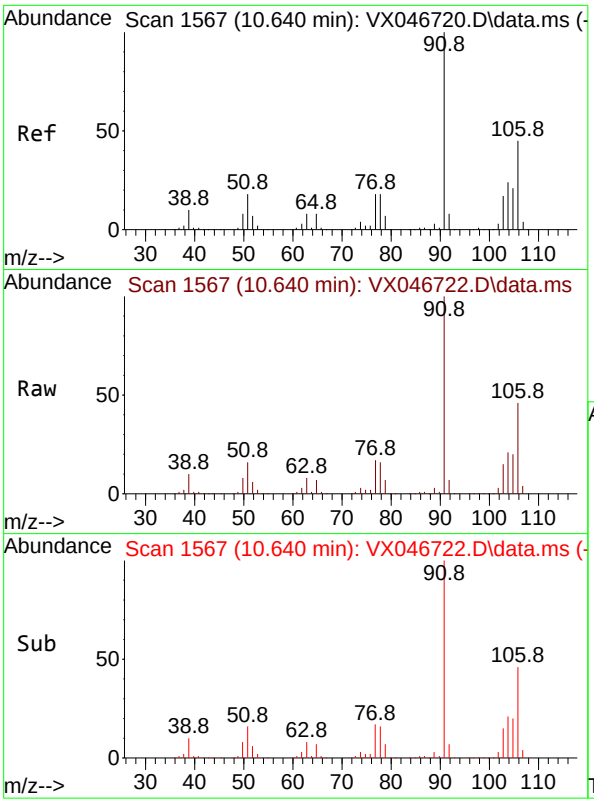



#68
m/p-Xylenes
Concen: 299.697 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:106 Resp: 676085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 164.8 | 247.2 |

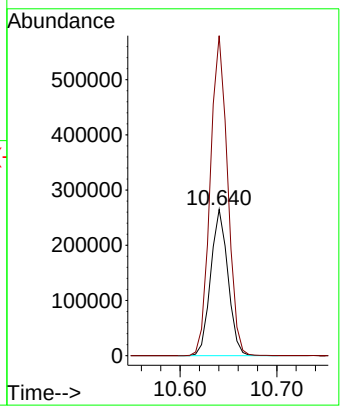





#69
o-Xylene
Concen: 155.514 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:106 Resp: 32878

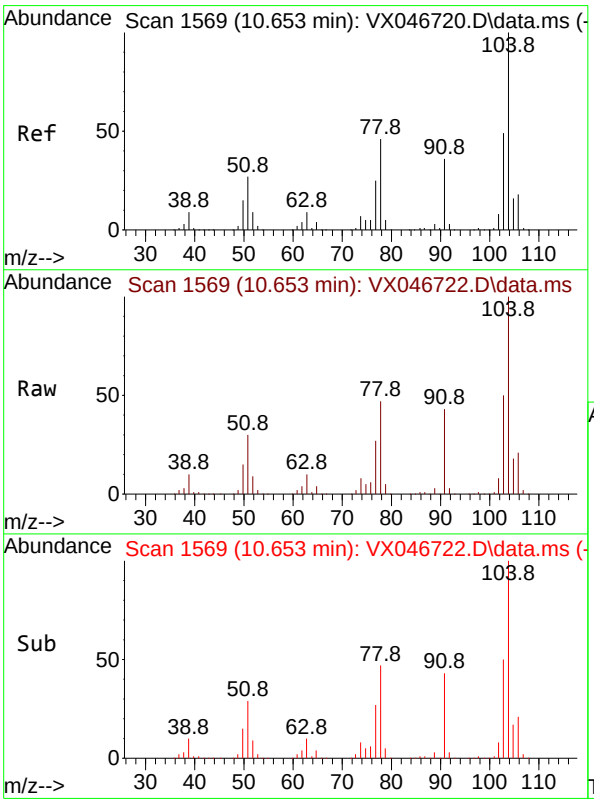
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

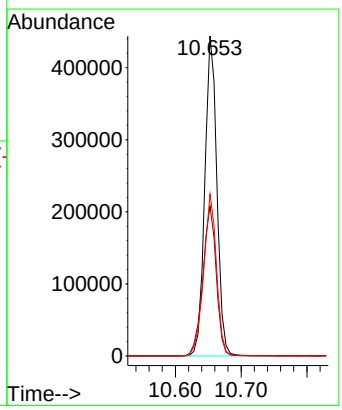
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

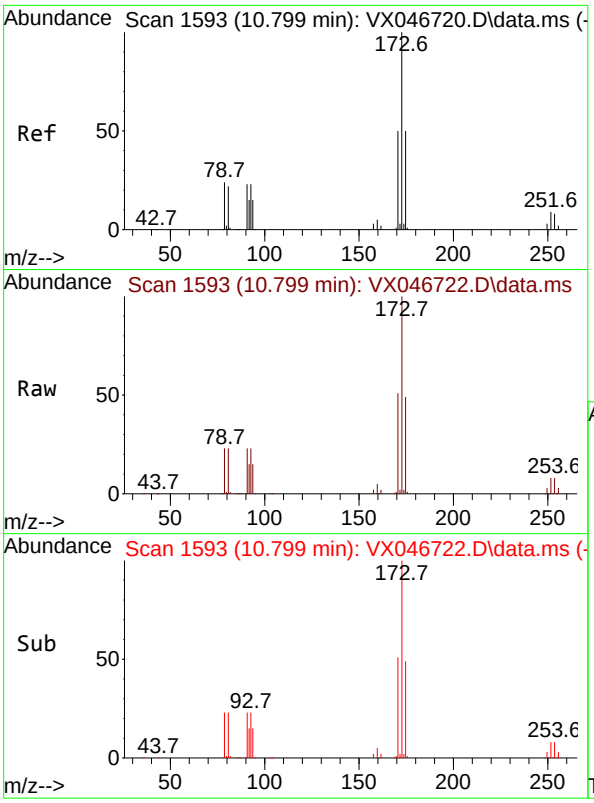



#70
Styrene
Concen: 153.143 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:104 Resp: 566606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 41.4 | 62.2 |
| 103 | 54.1 | 43.1 | 64.7 |

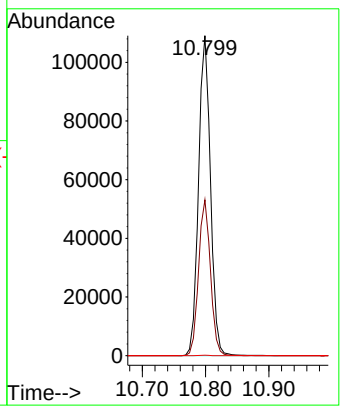





#71
Bromoform
Concen: 161.498 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:173 Resp: 14322

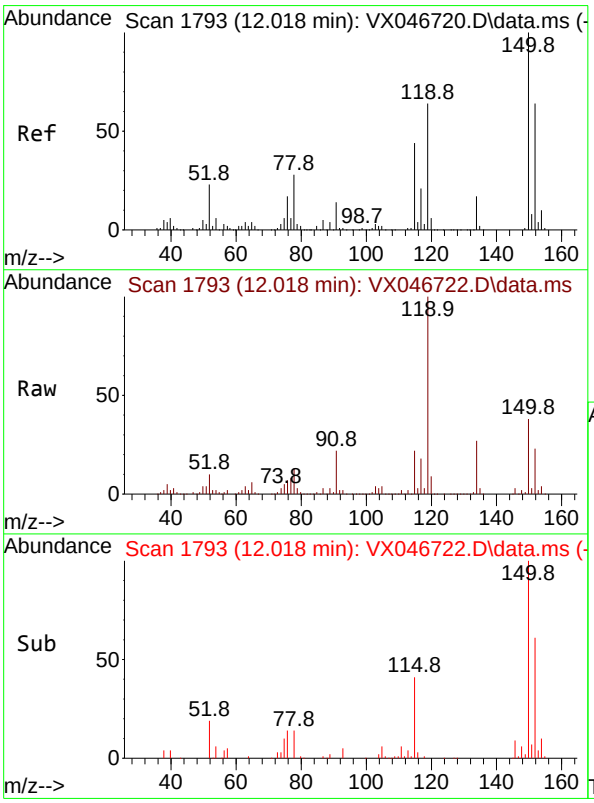
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

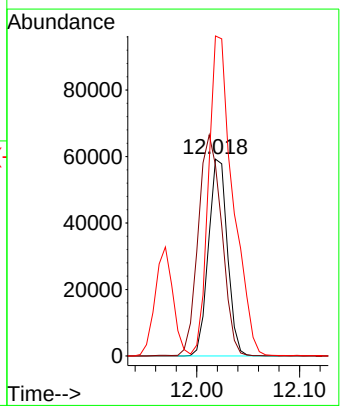
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

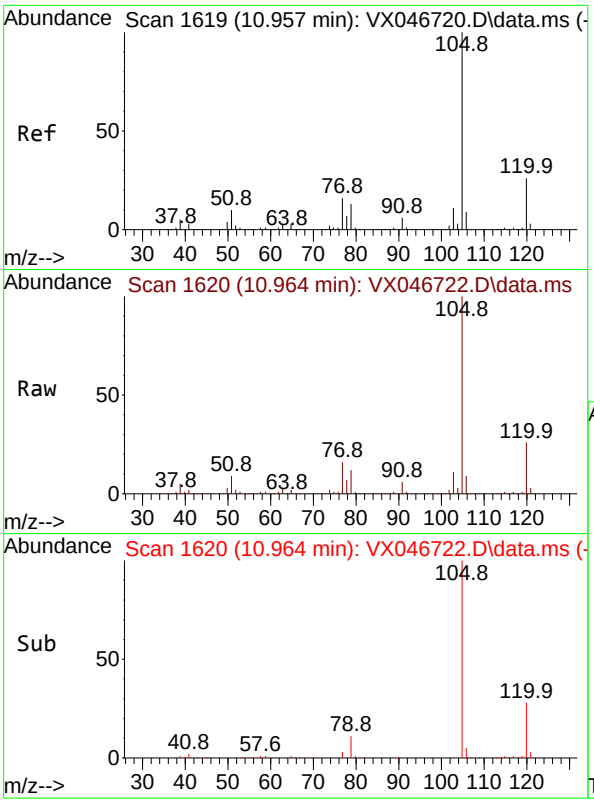



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:152 Resp: 75829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 139.0 | 43.2 | 129.6# |
| 150 | 208.8 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 155.374 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

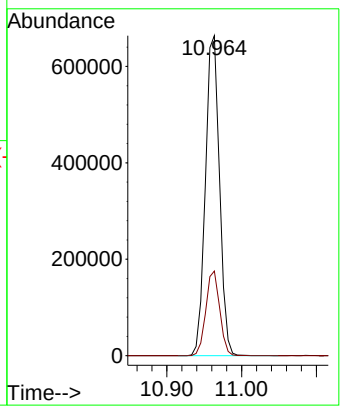
Tgt Ion:105 Resp: 86772

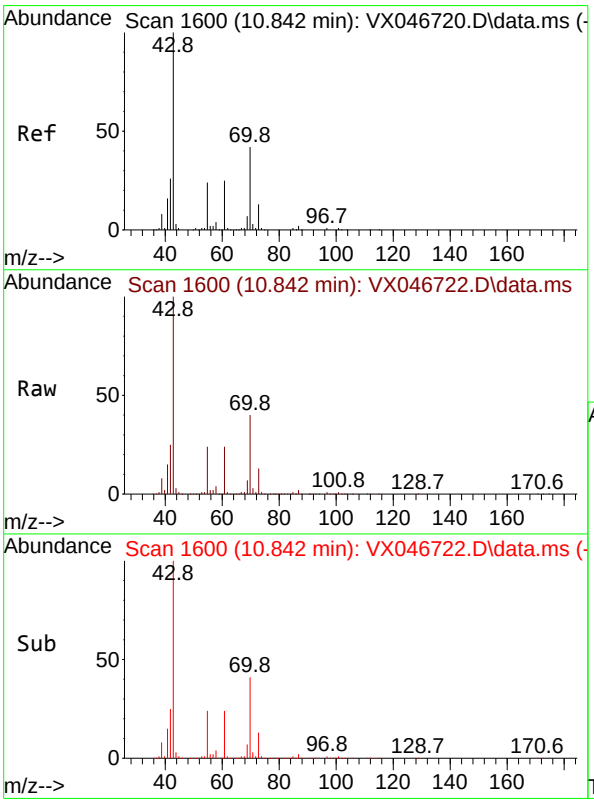
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

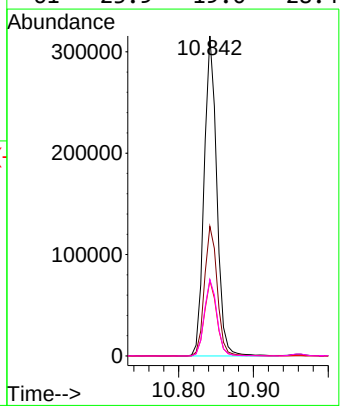


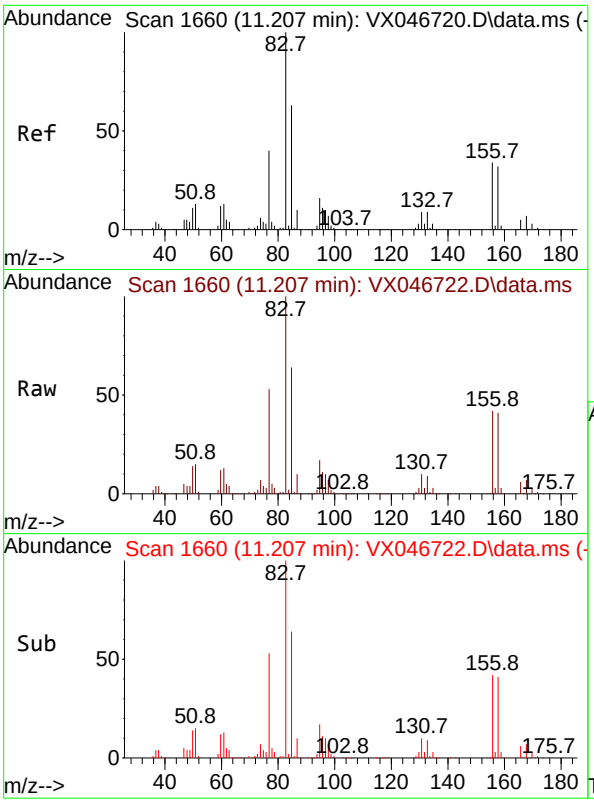




#74
N-amyl acetate
Concen: 174.748 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 369757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 33.4 | 50.0 |
| 55 | 23.3 | 19.1 | 28.7 |
| 61 | 23.9 | 19.0 | 28.4 |

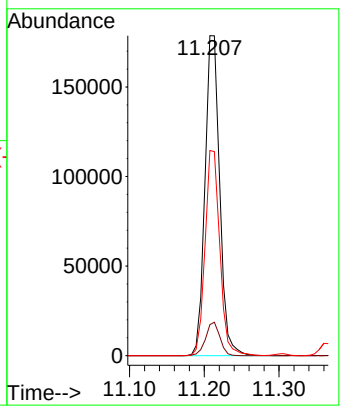





#75
1,1,2,2-Tetrachloroethane
Concen: 156.730 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 83 Resp: 24440

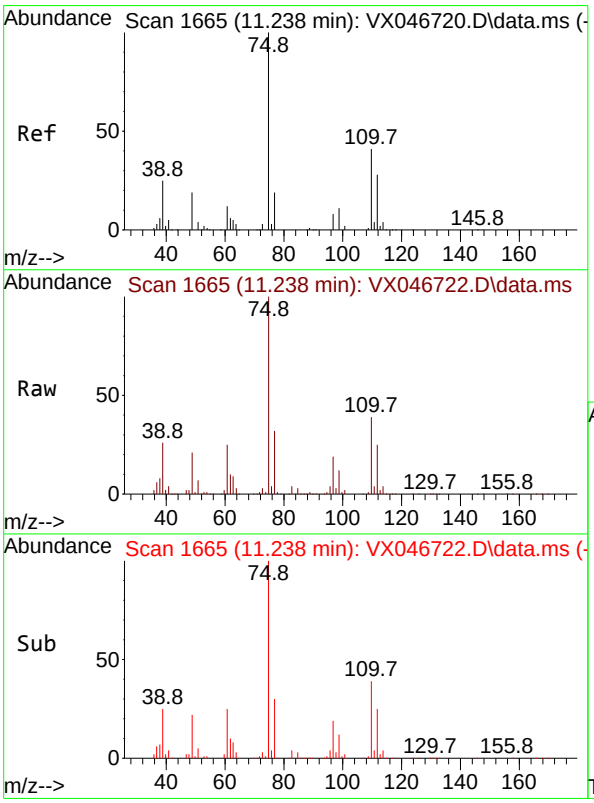
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

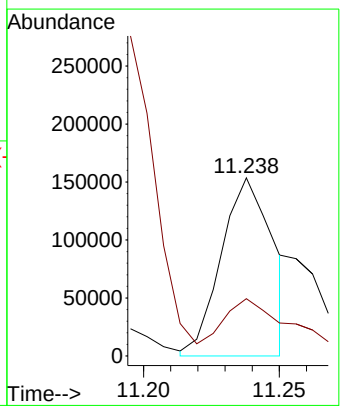
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

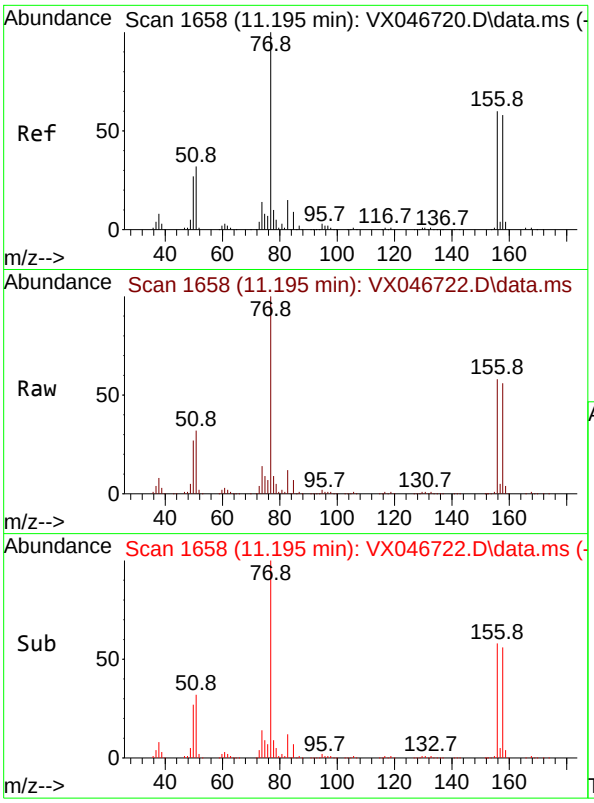



#76
1,2,3-Trichloropropane
Concen: 131.753 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 202926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.5 | 18.5 | 55.5 |

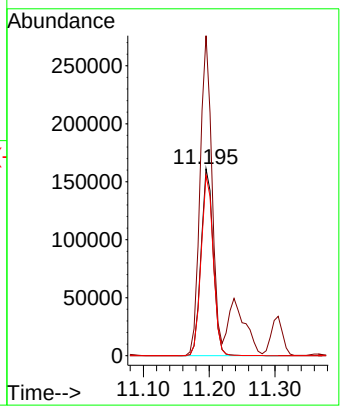





#77
Bromobenzene
Concen: 154.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:156 Resp: 20734

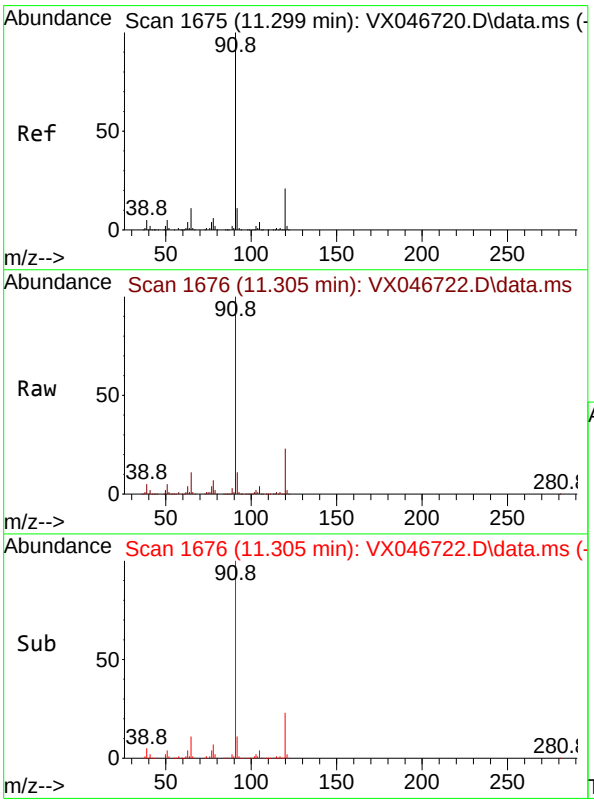
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.9 | 82.8 | 248.6 |
| 158 | 96.7 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

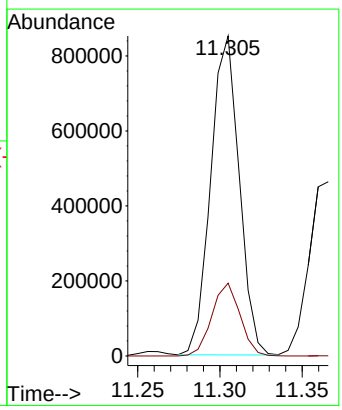
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

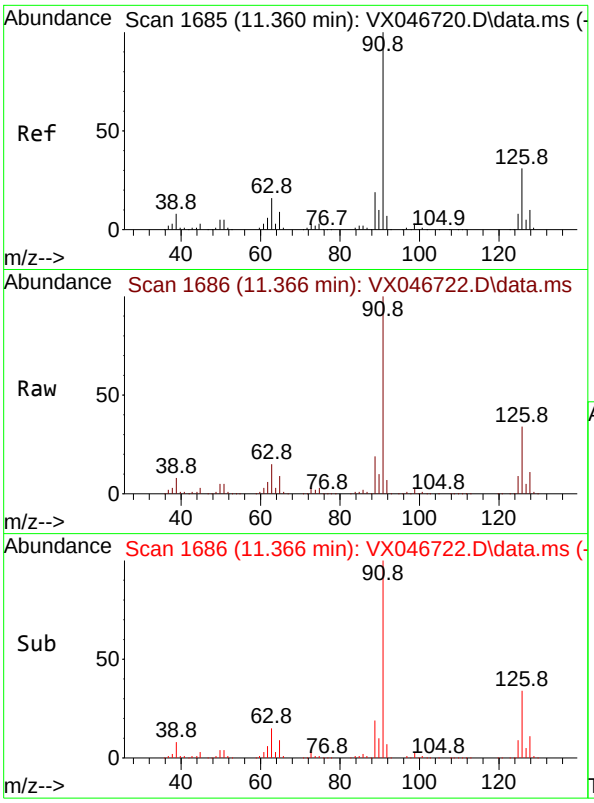



#78
n-propylbenzene
Concen: 154.633 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 1025742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 150.373 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

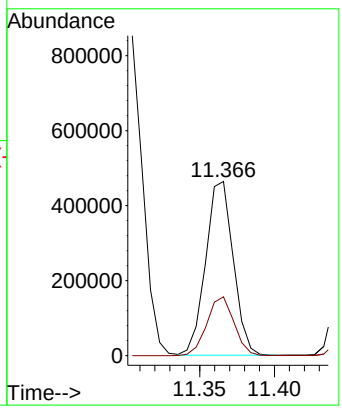
Tgt Ion: 91 Resp: 59555

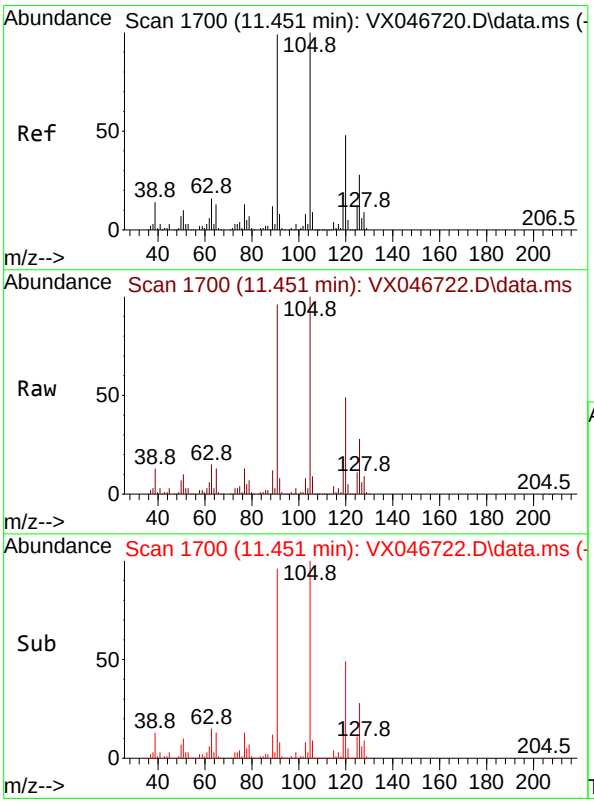
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

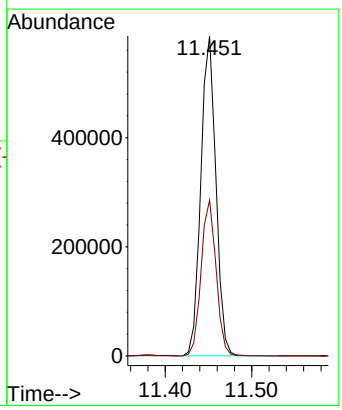


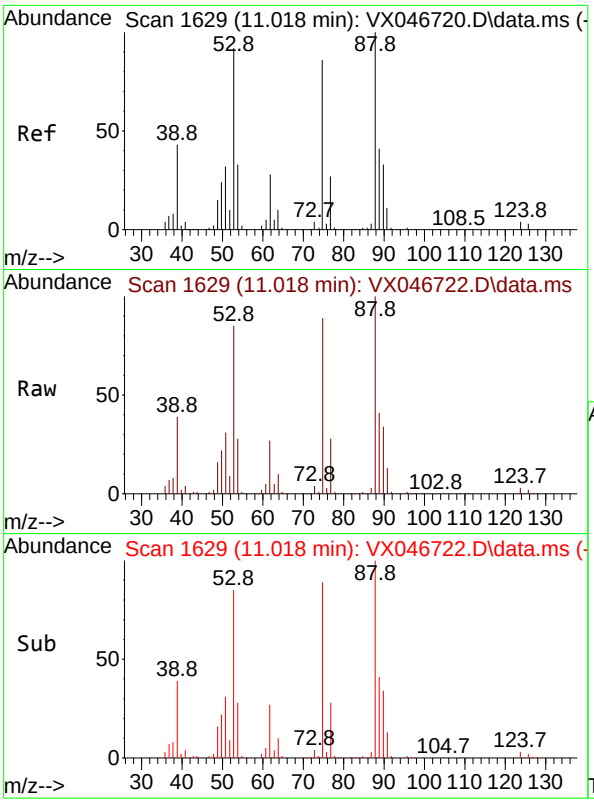




#80
1,3,5-Trimethylbenzene
Concen: 154.053 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:105 Resp: 707005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 24.1 | 72.2 |

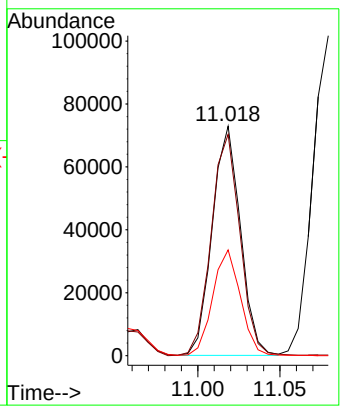





#81
trans-1,4-Dichloro-2-butene
Concen: 176.408 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 8667

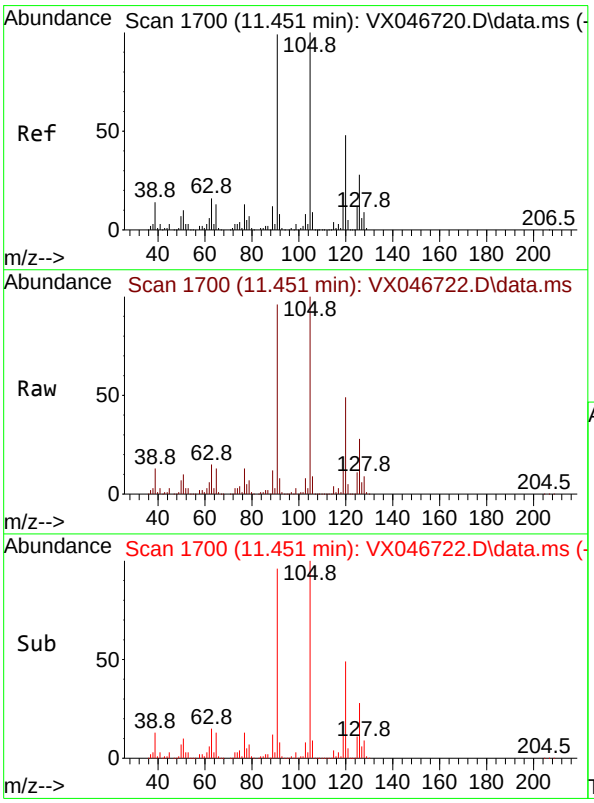
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.9 | 86.8 | 130.2 |
| 89 | 45.8 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

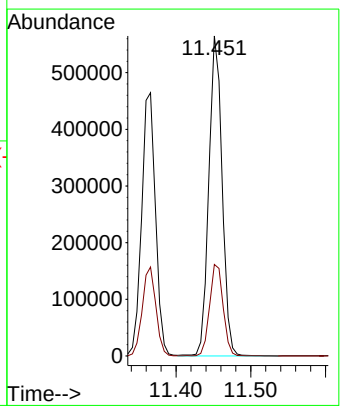
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

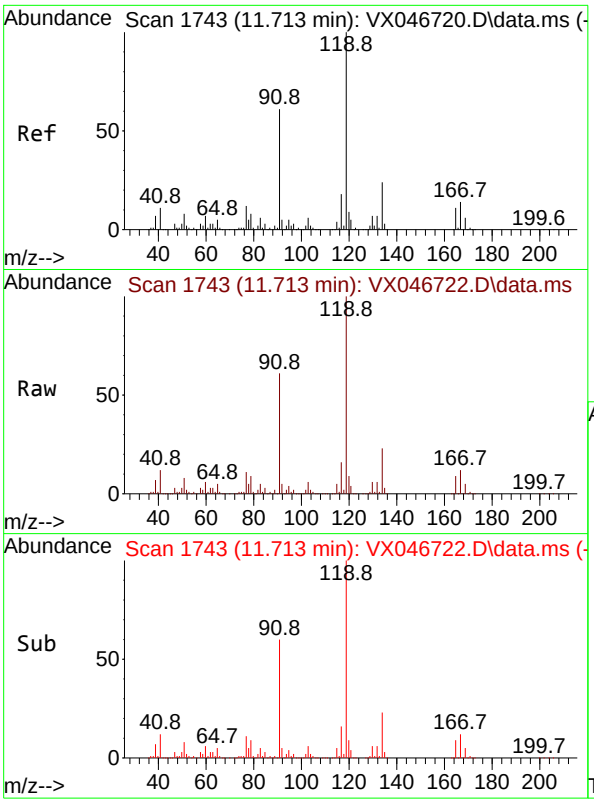



#82
4-Chlorotoluene
Concen: 150.915 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 697556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |

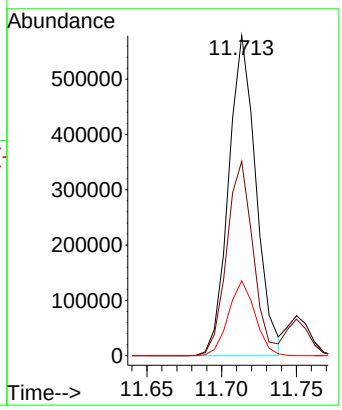





#83
tert-Butylbenzene
Concen: 155.093 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:119 Resp: 73575

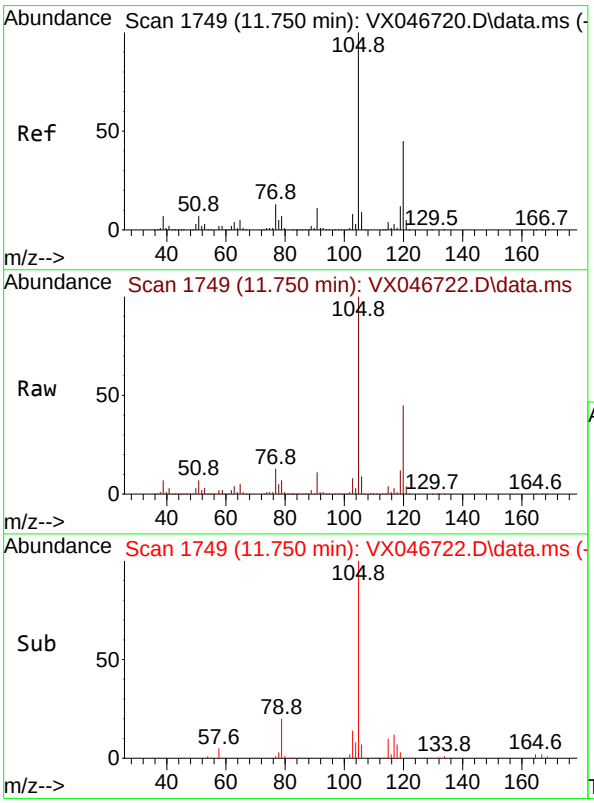
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.5 | 88.6 |
| 134 | 22.8 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

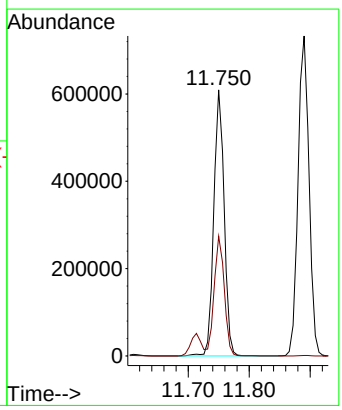
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

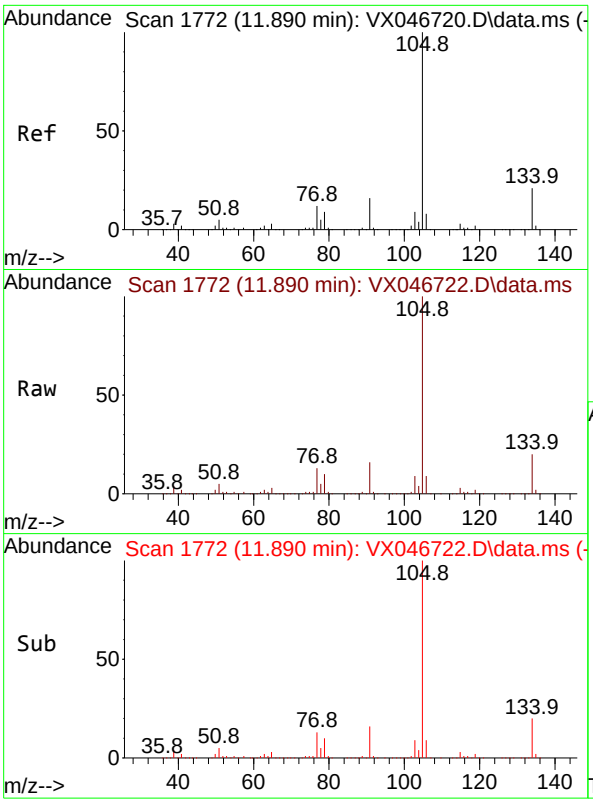



#84
1,2,4-Trimethylbenzene
Concen: 155.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:105 Resp: 719283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.1 | 66.3 |

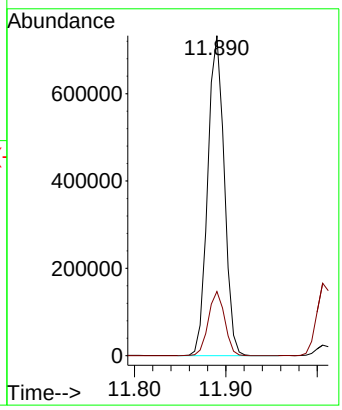





#85
sec-Butylbenzene
Concen: 152.910 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:105 Resp: 91676

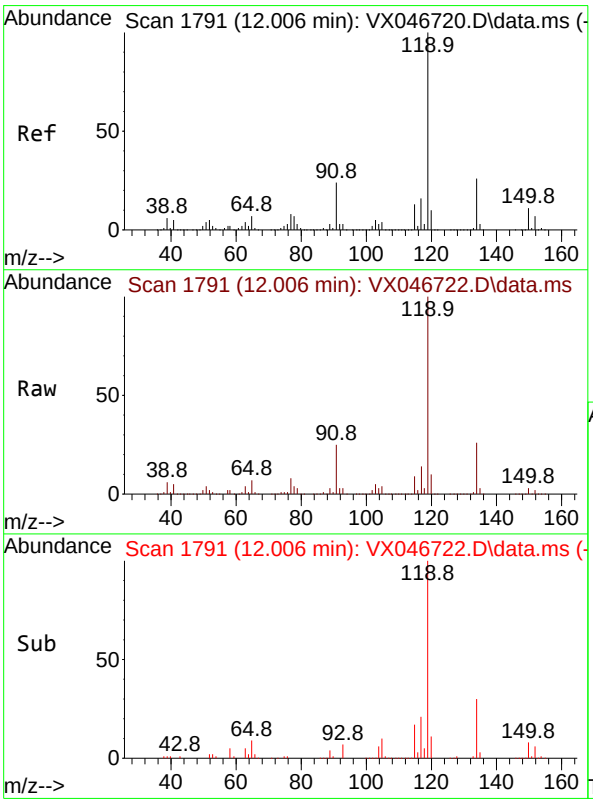
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

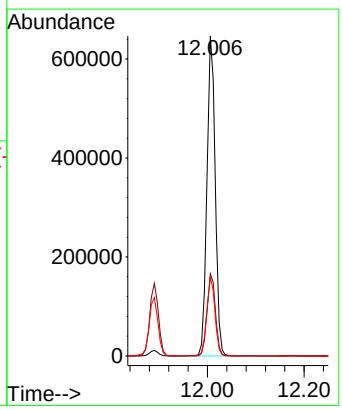
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

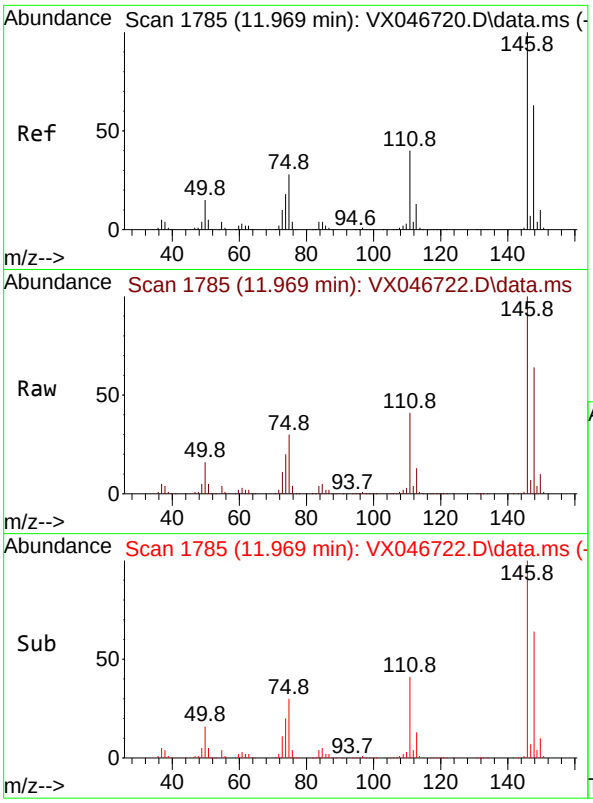



#86
p-Isopropyltoluene
Concen: 152.610 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:119 Resp: 771998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.4 | 12.3 | 36.9 |

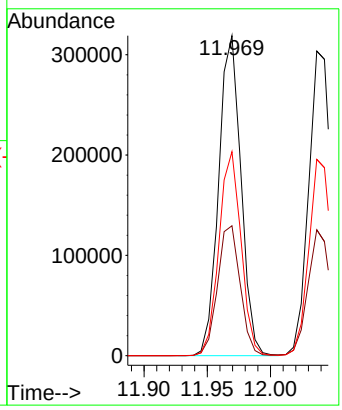





#87
1,3-Dichlorobenzene
Concen: 149.232 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:146 Resp: 39104

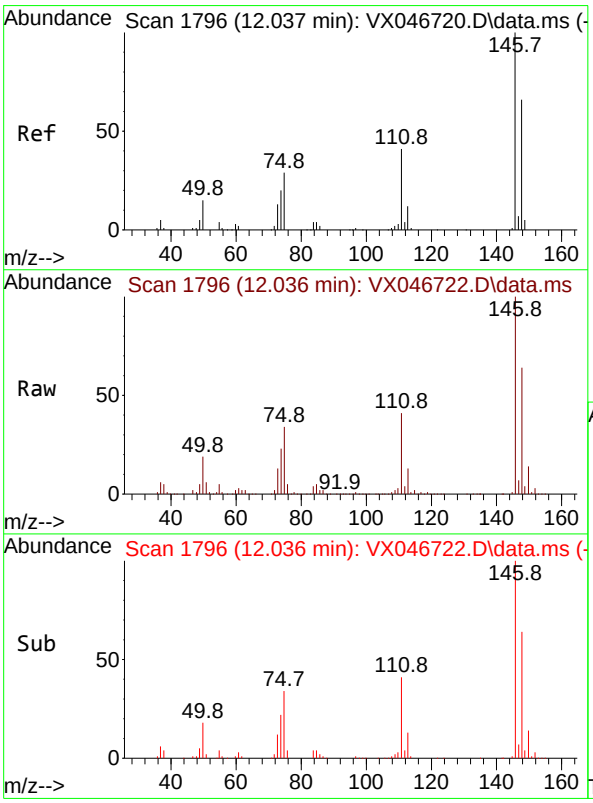
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 63.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

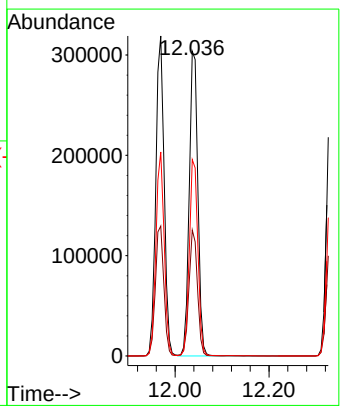
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

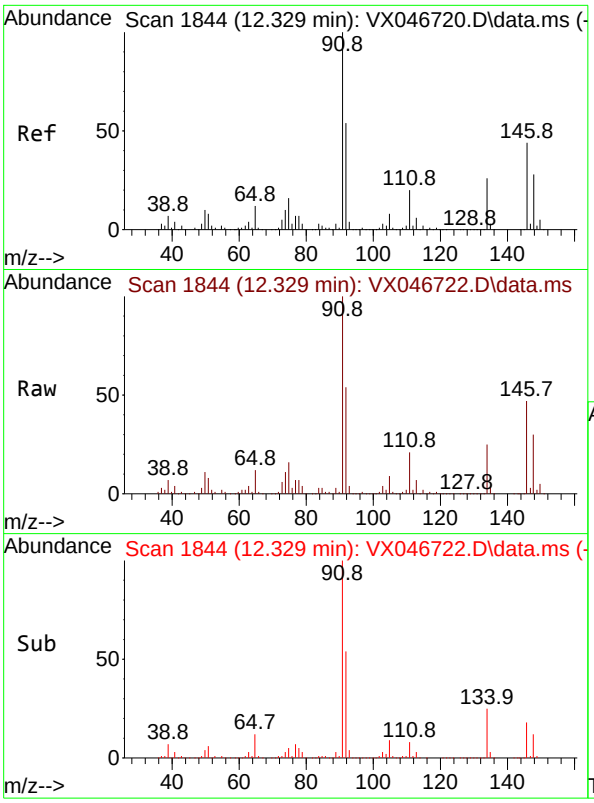



#88
1,4-Dichlorobenzene
Concen: 143.836 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:146 Resp: 387139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.3 | 61.0 |
| 148 | 63.5 | 32.1 | 96.5 |

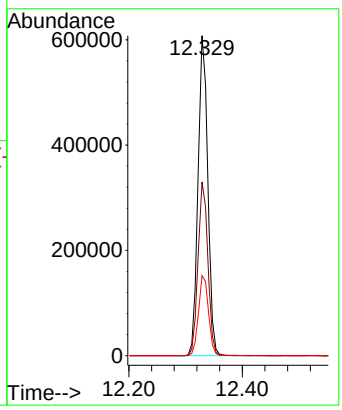





#89
n-Butylbenzene
Concen: 151.271 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 72656

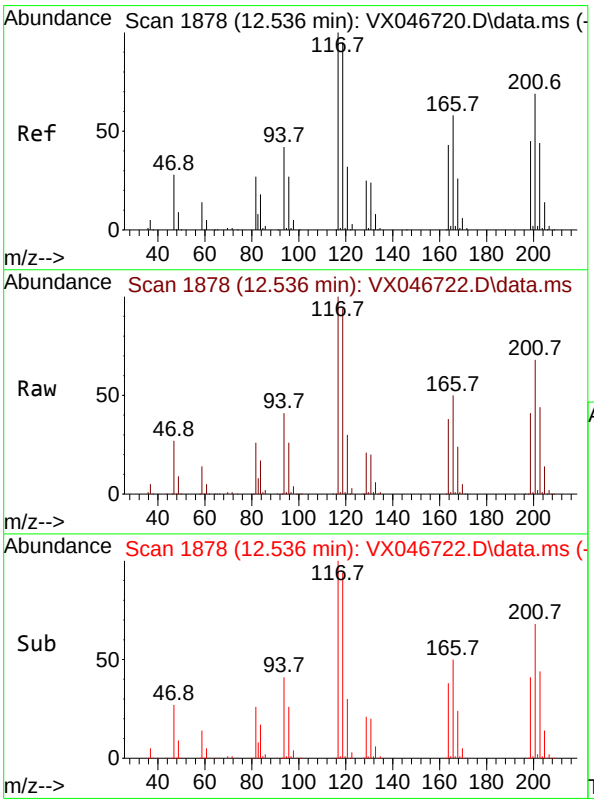
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.7 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

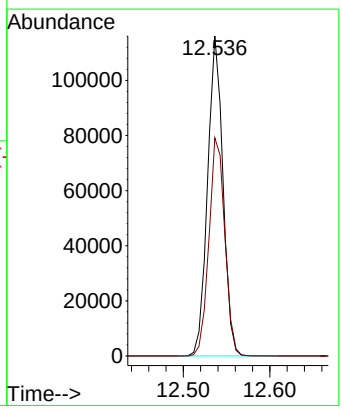
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

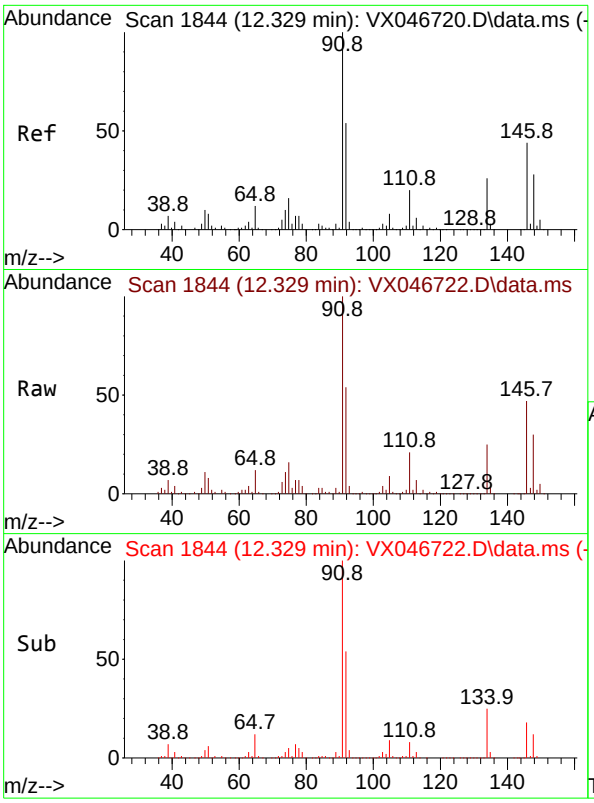



#90
Hexachloroethane
Concen: 161.049 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:117 Resp: 142663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |

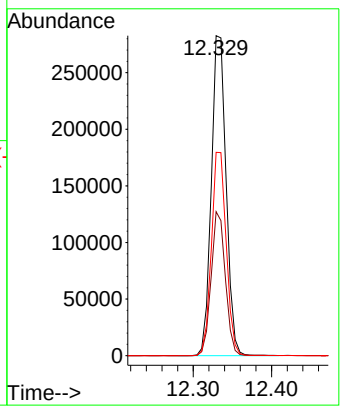





#91
1,2-Dichlorobenzene
Concen: 151.192 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:146 Resp: 37023

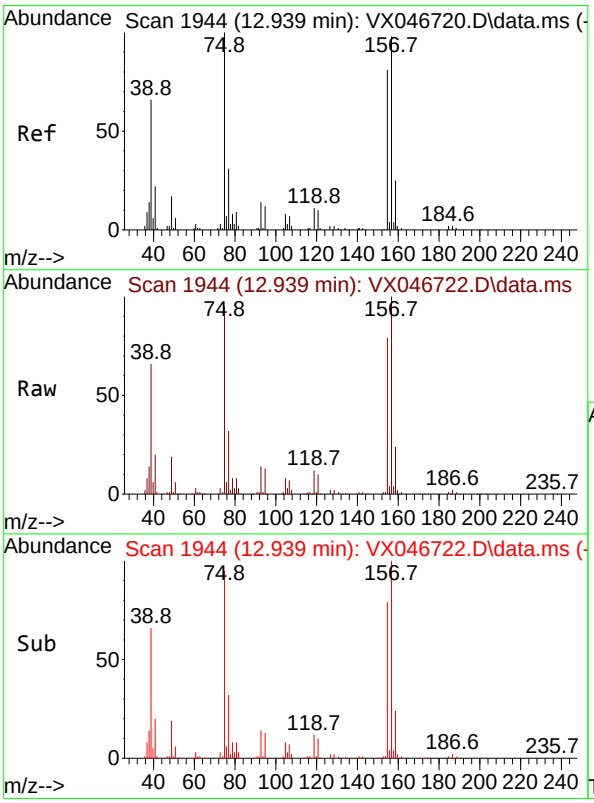
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 63.8 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

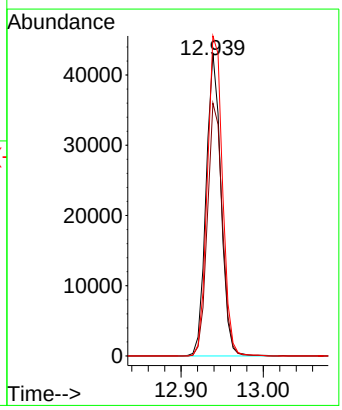
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

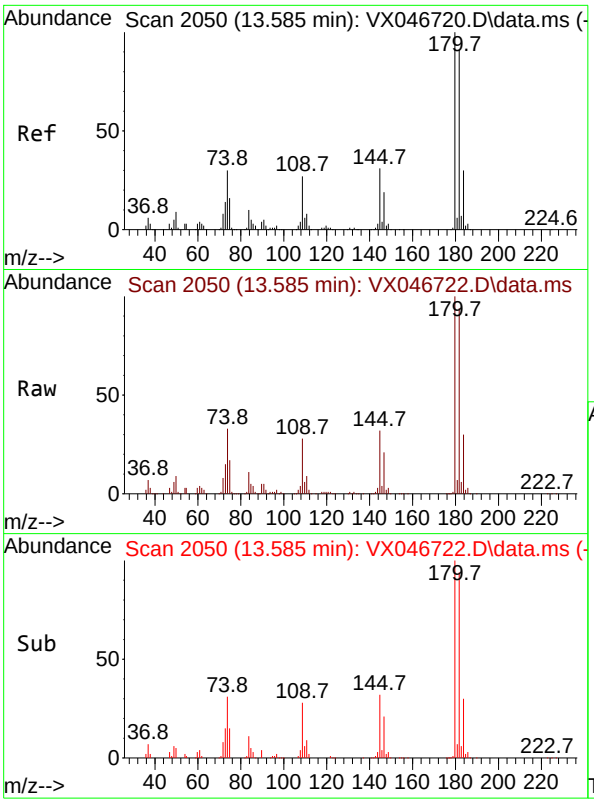



#92
1,2-Dibromo-3-Chloropropane
Concen: 175.448 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 54014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.2 | 41.9 | 125.7 |
| 157 | 108.5 | 51.4 | 154.3 |






#93
1,2,4-Trichlorobenzene
Concen: 151.531 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

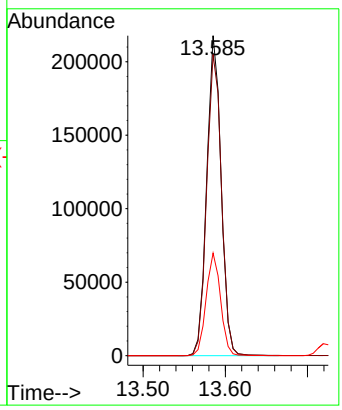
Tgt Ion:180 Resp: 26380

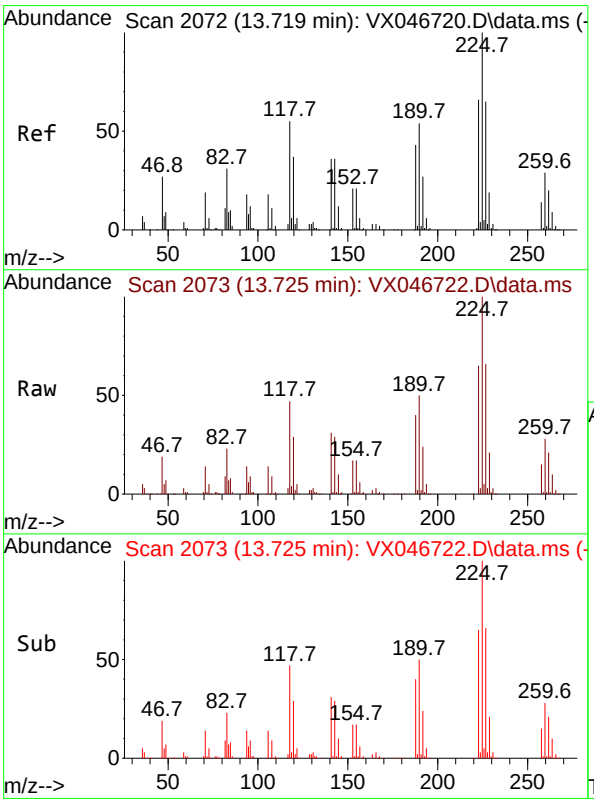
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 46.7 | 140.1 |
| 145 | 32.2 | 15.8 | 47.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

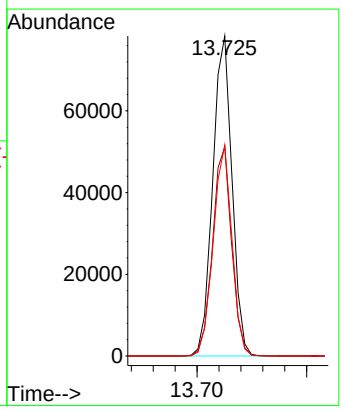


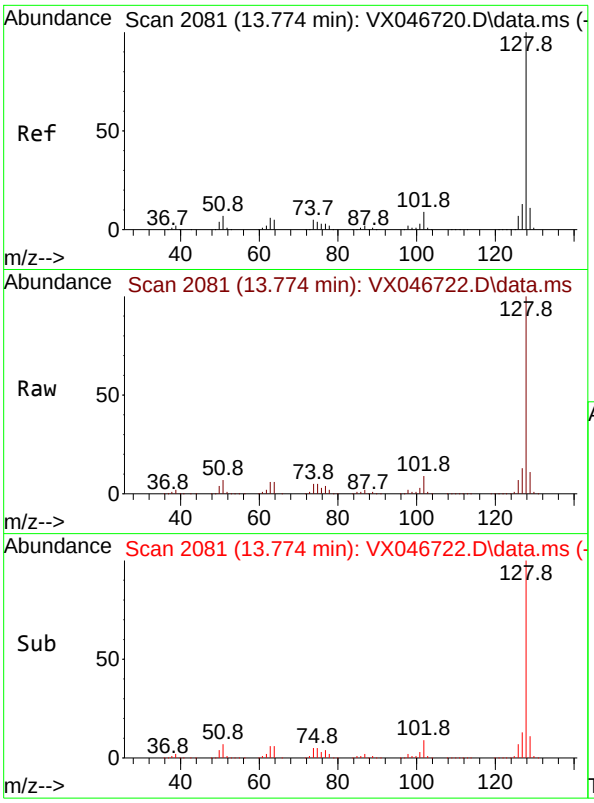




#94
Hexachlorobutadiene
Concen: 130.431 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:225 Resp: 95520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 32.5 | 97.5 |
| 227 | 64.2 | 32.2 | 96.6 |

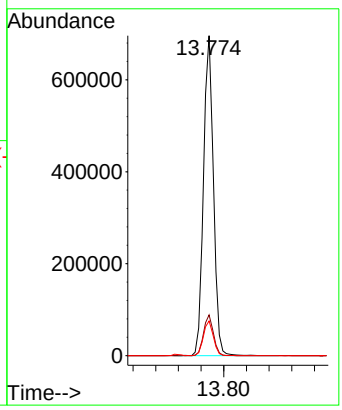





#95
Naphthalene
Concen: 170.609 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:128 Resp: 84620

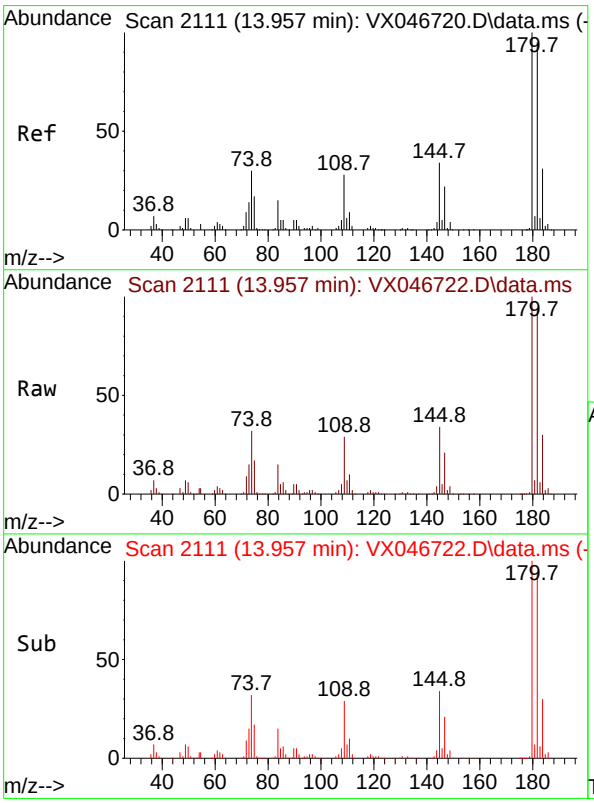
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

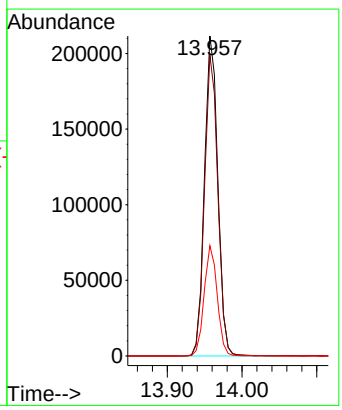
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 157.517 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:180 Resp: 262348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.8 | 143.4 |
| 145 | 33.8 | 17.3 | 51.9 |



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 136219 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 226094 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 205370 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 103593 | 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 | 1.179 | 85 | 1159 | 0.797 | ug/l | | 83 |
| 3) Chloromethane | 1.307 | 50 | 1322 | 0.842 | ug/l | | 93 |
| 4) Vinyl Chloride | 1.386 | 62 | 1419 | 0.848 | ug/l | | 89 |
| 6) Chloroethane | 1.703 | 64 | 905 | 0.892 | ug/l | | 90 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 2062 | 0.811 | ug/l | | 97 |
| 8) Diethyl Ether | 2.148 | 74 | 722 | 0.828 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 1280 | 0.821 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 1228 | 0.816 | ug/l | # | 76 |
| 14) Allyl chloride | 2.672 | 41 | 2386 | 0.875 | ug/l | | 96 |
| 15) Acrylonitrile | 3.081 | 53 | 3075 | 4.044 | ug/l | | 96 |
| 16) Acetone | 2.386 | 43 | 3424 | 5.449 | ug/l | # | 80 |
| 17) Carbon Disulfide | 2.526 | 76 | 5092 | 1.121 | ug/l | | 96 |
| 18) Methyl Acetate | 2.721 | 43 | 1280 | 0.802 | ug/l | # | 87 |
| 19) Methyl tert-butyl Ether | 3.129 | 73 | 3888 | 0.830 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.800 | 84 | 1736 | 0.994 | ug/l | | 91 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 1441 | 0.895 | ug/l | # | 81 |
| 22) Diisopropyl ether | 3.770 | 45 | 4170 | 0.796 | ug/l | # | 71 |
| 23) Vinyl Acetate | 3.745 | 43 | 15507 | 3.722 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 2648 | 0.890 | ug/l | # | 79 |
| 25) 2-Butanone | 4.593 | 43 | 3422 | 3.851 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 1874m | 0.864 | ug/l | | |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 1698 | 0.898 | ug/l | | 97 |
| 28) Bromochloromethane | 4.922 | 49 | 1307 | 0.969 | ug/l | # | 91 |
| 29) Tetrahydrofuran | 5.032 | 42 | 2212 | 3.854 | ug/l | # | 54 |
| 30) Chloroform | 5.105 | 83 | 2336m | 0.785 | ug/l | | |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 2212 | 0.848 | ug/l | # | 50 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 2016 | 0.934 | ug/l | | 90 |
| 37) Ethyl Acetate | 4.739 | 43 | 2002m | 1.004 | ug/l | | |
| 38) Carbon Tetrachloride | 5.684 | 117 | 2124 | 0.906 | ug/l | | 92 |
| 39) Methylcyclohexane | 7.379 | 83 | 2485 | 0.875 | ug/l | | 87 |
| 40) Benzene | 6.044 | 78 | 5507 | 0.862 | ug/l | | 97 |
| 41) Methacrylonitrile | 4.965 | 41 | 857m | 0.806 | ug/l | | |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 1938 | 0.863 | ug/l | # | 75 |
| 43) Isopropyl Acetate | 6.367 | 43 | 2218 | 0.711 | ug/l | # | 83 |
| 44) Trichloroethene | 7.135 | 130 | 1448 | 0.889 | ug/l | | 87 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 1380 | 0.871 | ug/l | # | 89 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.592 | 93 | 1030 | 0.905 | ug/l | | 89 |
| 47) Bromodichloromethane | 7.824 | 83 | 1825 | 0.786 | ug/l | # | 82 |
| 48) Methyl methacrylate | 7.720 | 41 | 1050 | 0.671 | ug/l | # | 80 |
| 49) 1,4-Dioxane | 7.671 | 88 | 56 | 28.694 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 7273 | 3.910 | ug/l | | 97 |
| 52) Toluene | 8.726 | 92 | 3393 | 0.856 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.994 | 75 | 1607 | 0.746 | ug/l | # | 87 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 1971 | 0.806 | ug/l | # | 57 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1297 | 0.878 | ug/l | # | 83 |
| 56) Ethyl methacrylate | 9.122 | 69 | 1477 | 0.678 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 2249 | 0.885 | ug/l | | 95 |
| 58) 2-Chloroethyl Vinyl ether | 8.251 | 63 | 3778 | 3.337 | ug/l | | 92 |
| 59) 2-Hexanone | 9.439 | 43 | 4833 | 3.758 | ug/l | | 94 |
| 60) Dibromochloromethane | 9.525 | 129 | 1436 | 0.825 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1209 | 0.805 | ug/l | | 90 |
| 64) Tetrachloroethene | 9.275 | 164 | 1399 | 0.983 | ug/l | | 95 |
| 65) Chlorobenzene | 10.073 | 112 | 4127 | 0.910 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 1242 | 0.815 | ug/l | # | 64 |
| 67) Ethyl Benzene | 10.195 | 91 | 6967 | 0.880 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 5214 | 1.767 | ug/l | | 98 |
| 69) o-Xylene | 10.646 | 106 | 2045 | 0.739 | ug/l | | 80 |
| 70) Styrene | 10.659 | 104 | 4077 | 0.842 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 927 | 0.799 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.963 | 105 | 6314 | 0.828 | ug/l | | 97 |
| 74) N-amyl acetate | 10.848 | 43 | 1921 | 0.665 | ug/l | # | 85 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 1690 | 0.793 | ug/l | | 93 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 1346m | 0.640 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 1541 | 0.839 | ug/l | | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 7545 | 0.833 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 4896 | 0.905 | ug/l | | 93 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5174 | 0.825 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 5664 | 0.897 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 5507 | 0.850 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 5087 | 0.808 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6839 | 0.835 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 6018 | 0.871 | ug/l | | 92 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 3509 | 0.980 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 4003m | 1.089 | ug/l | | |
| 89) n-Butylbenzene | 12.335 | 91 | 6186 | 0.943 | ug/l | | 96 |
| 90) Hexachloroethane | 12.536 | 117 | 1081 | 0.893 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 3024 | 0.904 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.951 | 75 | 277 | 0.659 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 2424 | 1.019 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 1025 | 1.025 | ug/l | | 97 |
| 95) Naphthalene | 13.780 | 128 | 5461 | 0.806 | ug/l | | 96 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1982 | 0.871 | ug/l | | 96 |

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

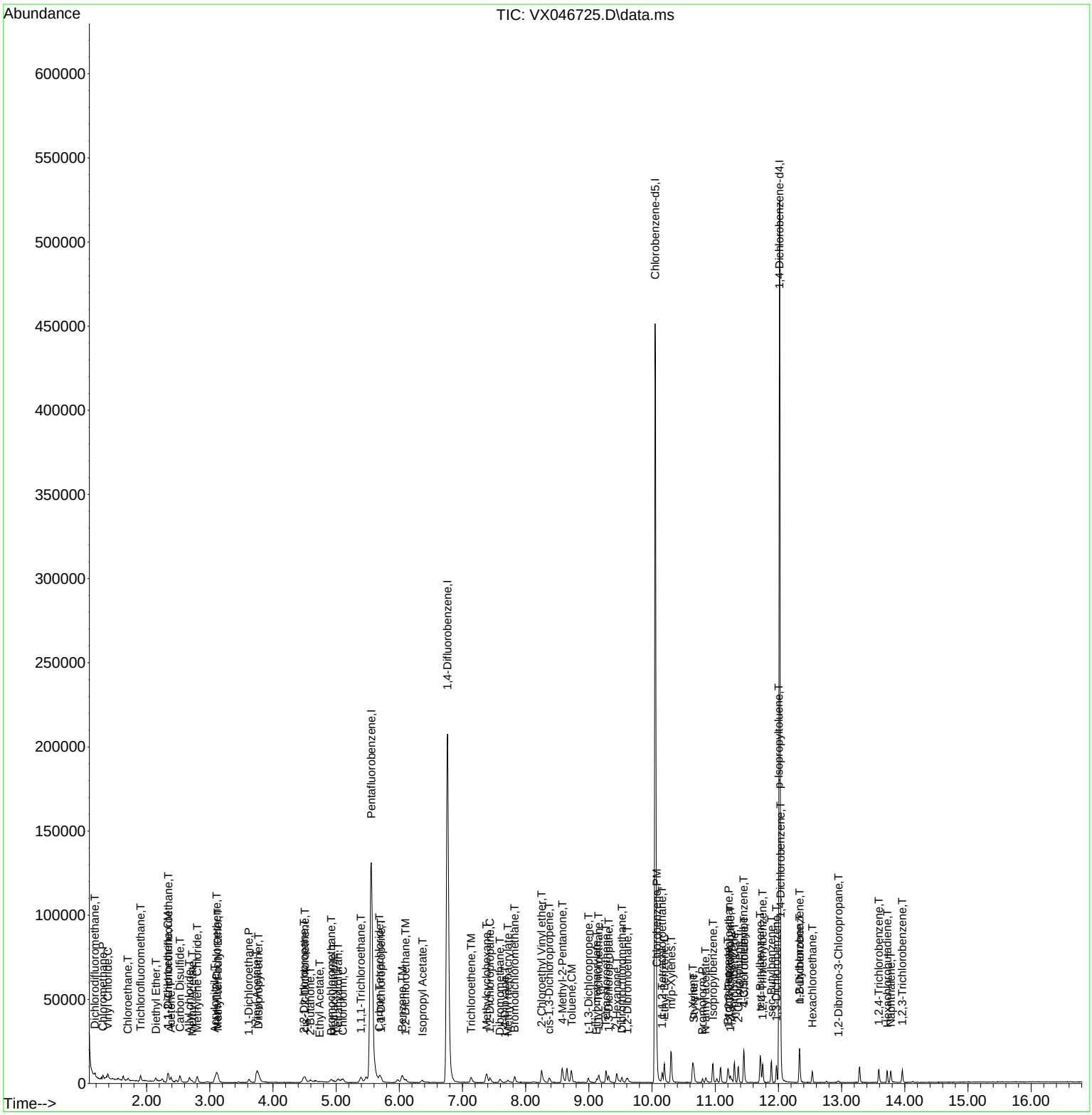
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

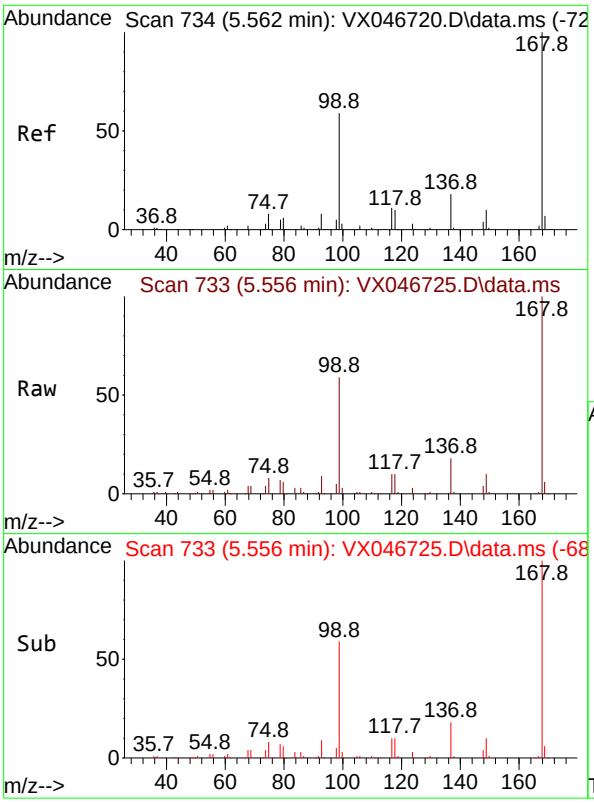
Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

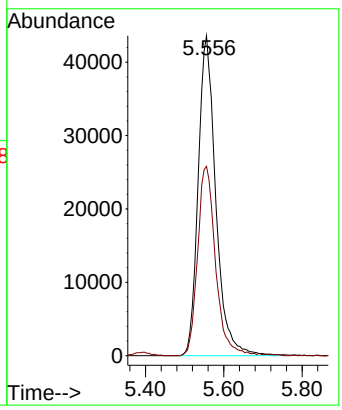





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:168 Resp: 13621

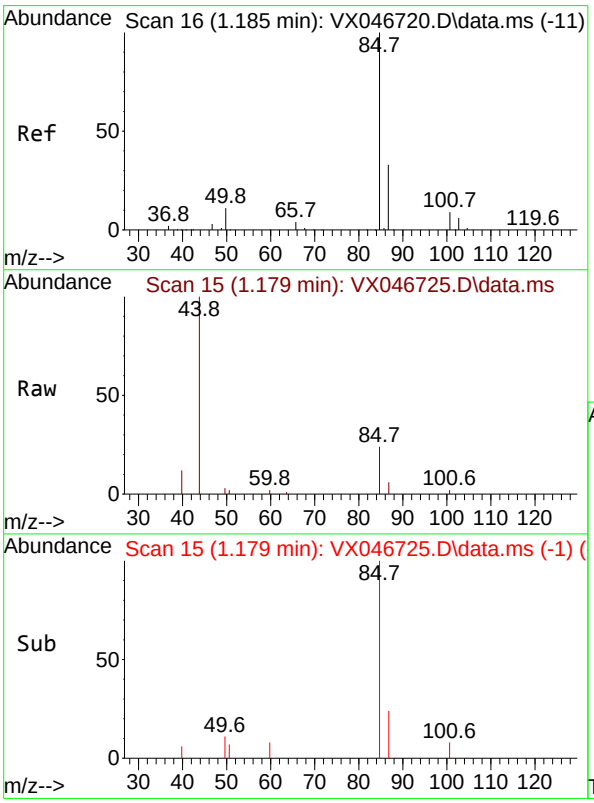
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

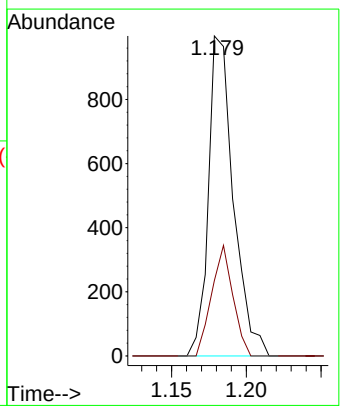
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

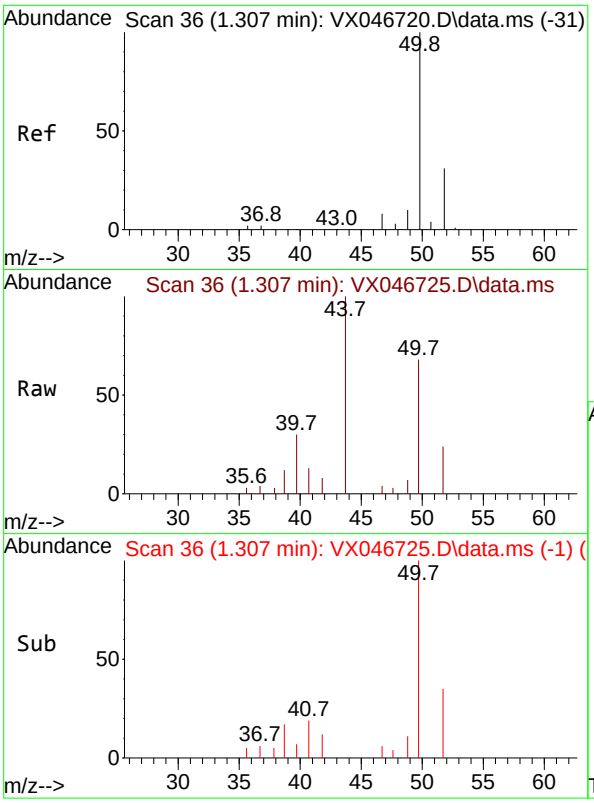



#2
Dichlorodifluoromethane
Concen: 0.797 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 85 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 23.5 | 16.6 | 49.8 |

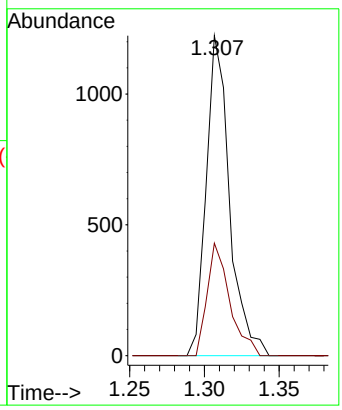





#3
Chloromethane
Concen: 0.842 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 50 Resp: 132

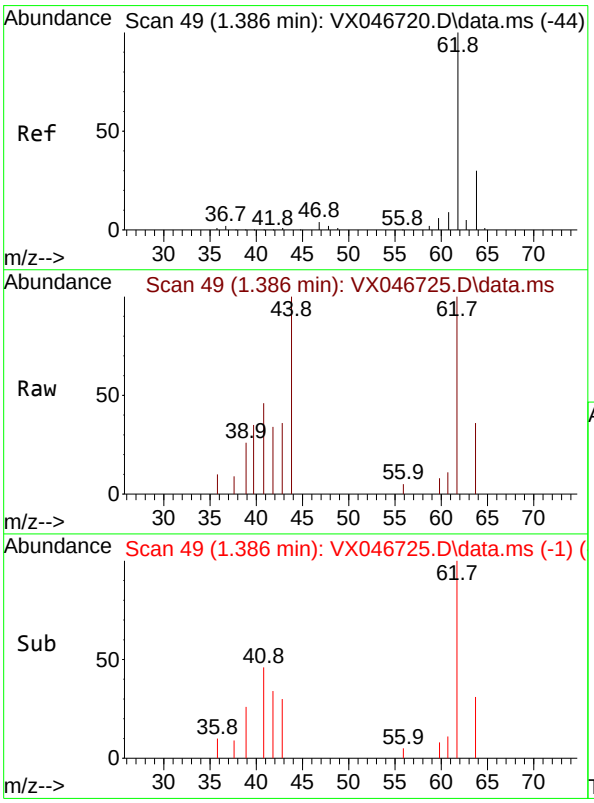
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

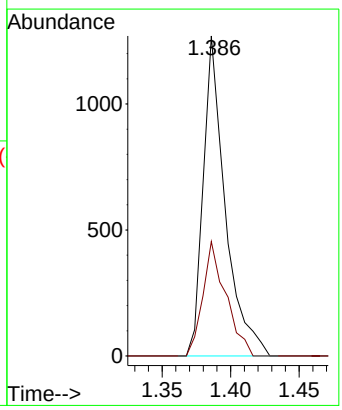
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

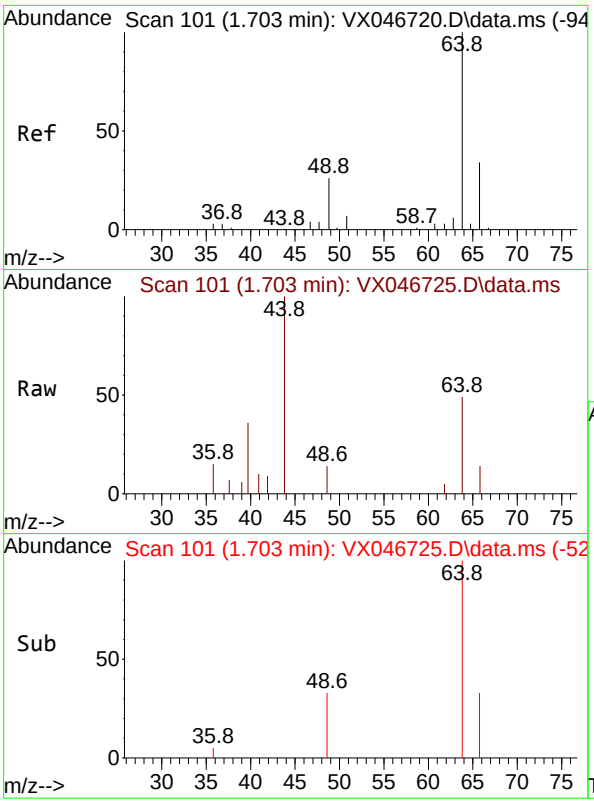



#4
Vinyl Chloride
Concen: 0.848 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 62 Resp: 1419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 35.7 | 23.9 | 35.9 |

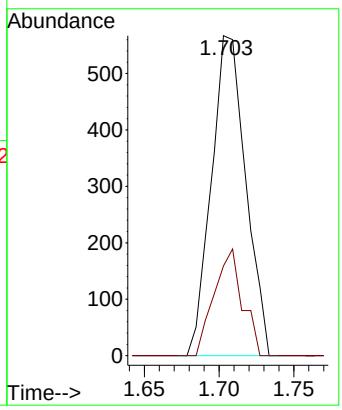





#6
Chloroethane
Concen: 0.892 ug/l
RT: 1.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 64 Resp: 90

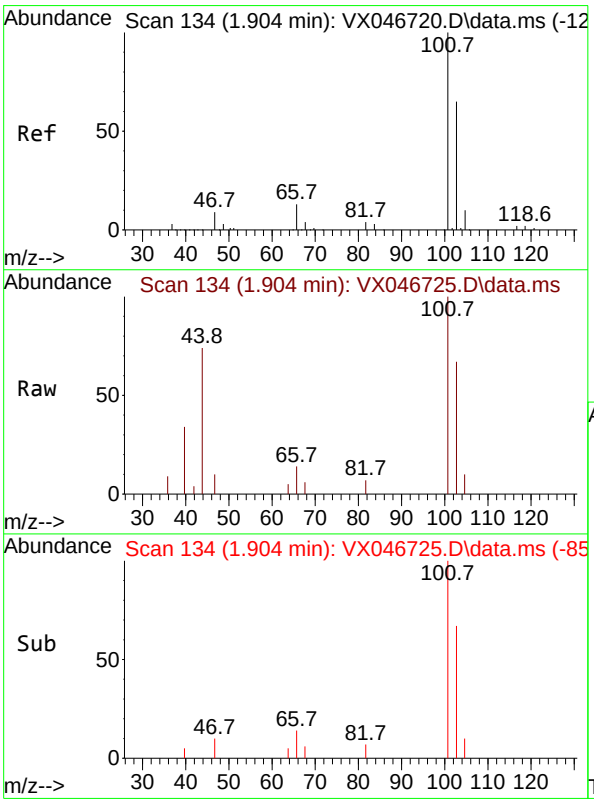
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 28.0 | 27.1 | 40.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

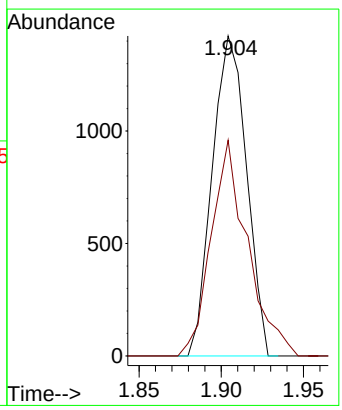
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

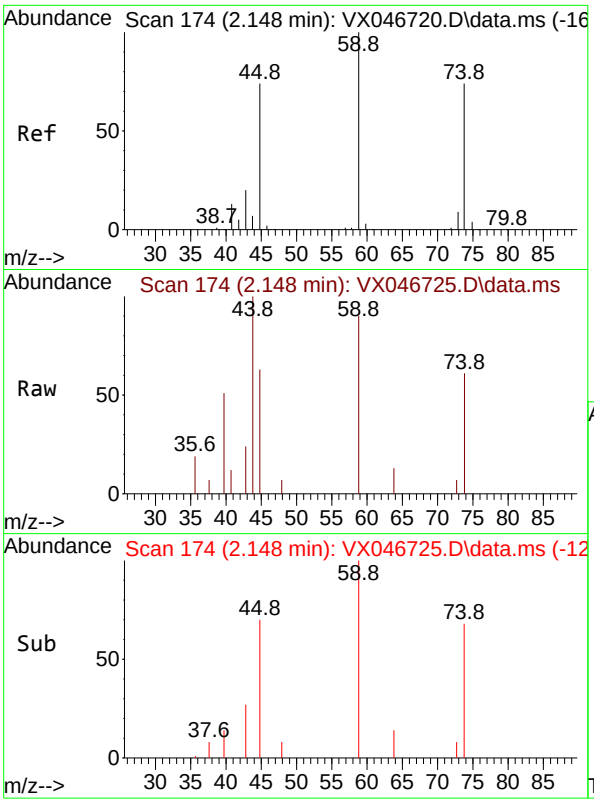



#7
Trichlorofluoromethane
Concen: 0.811 ug/l
RT: 1.904 min Scan# 134
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:101 Resp: 2062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.4 | 51.8 | 77.8 |






#8
Diethyl Ether
Concen: 0.828 ug/l
RT: 2.148 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

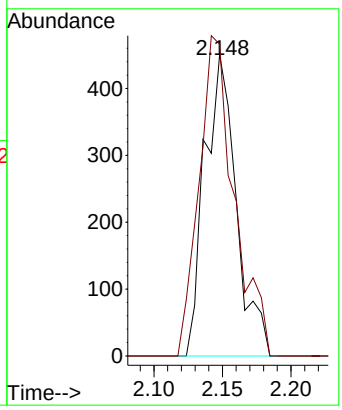
Tgt Ion: 74 Resp: 72

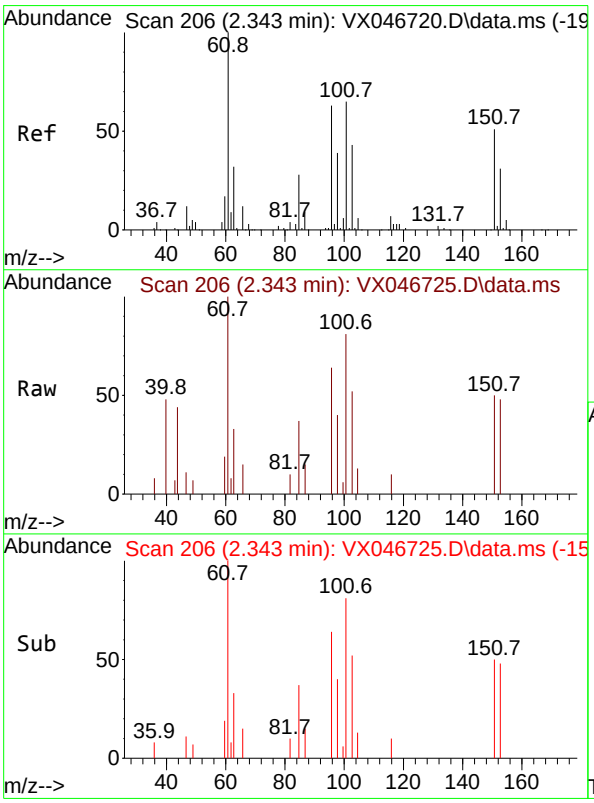
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.6 | 52.3 | 157.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

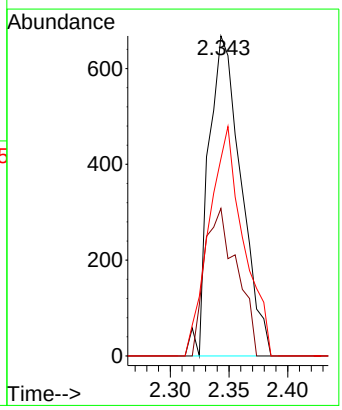


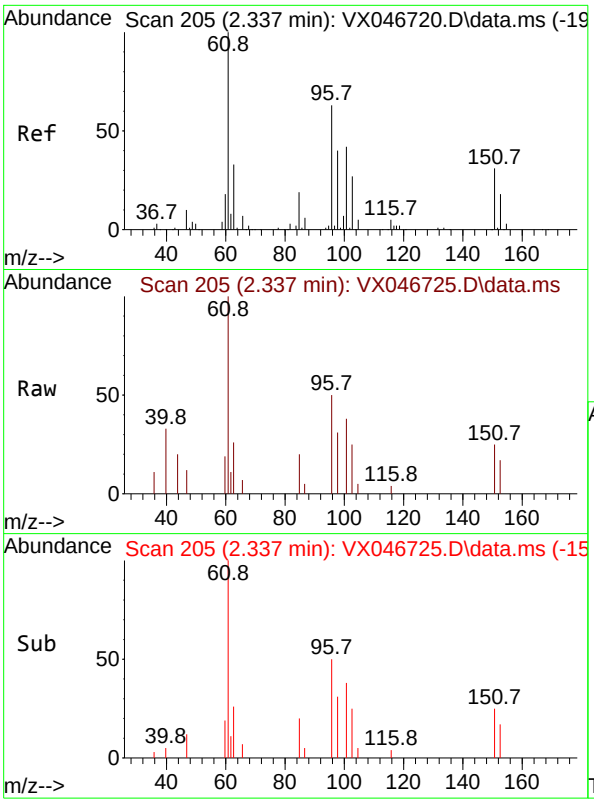




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.821 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:101 Resp: 1280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 35.4 | 53.0 |
| 151 | 76.5 | 61.2 | 91.8 |

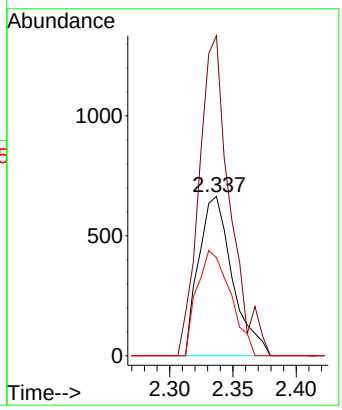





#12
1,1-Dichloroethene
Concen: 0.816 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 96 Resp: 122

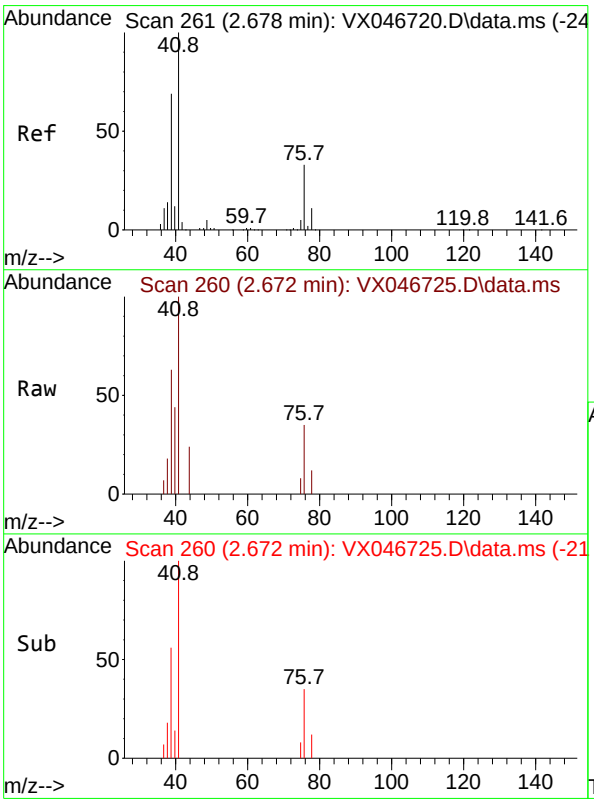
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 200.9 | 126.6 | 189.8 |
| 98 | 61.6 | 50.7 | 76.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

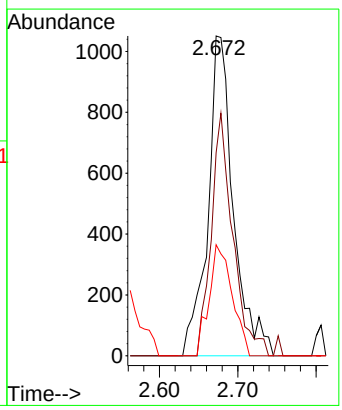
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

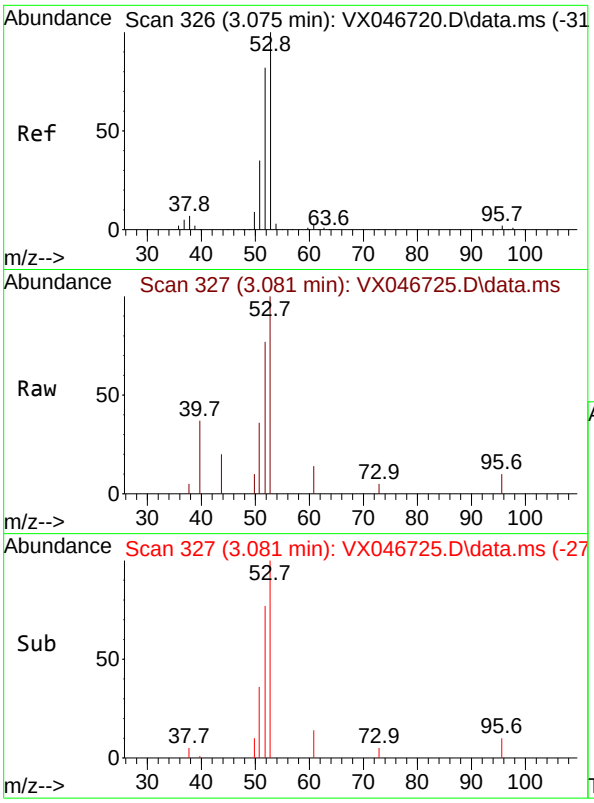



#14
Allyl chloride
Concen: 0.875 ug/l
RT: 2.672 min Scan# 260
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 41 Resp: 2386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 64.2 | 53.6 | 80.4 |
| 76 | 31.4 | 26.8 | 40.2 |

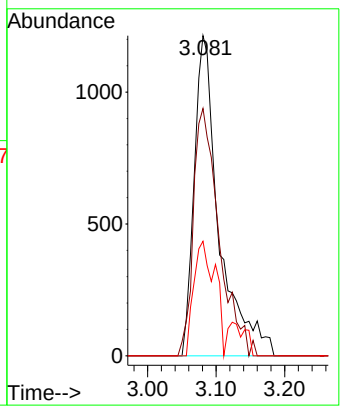





#15
Acrylonitrile
Concen: 4.044 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 53 Resp: 307

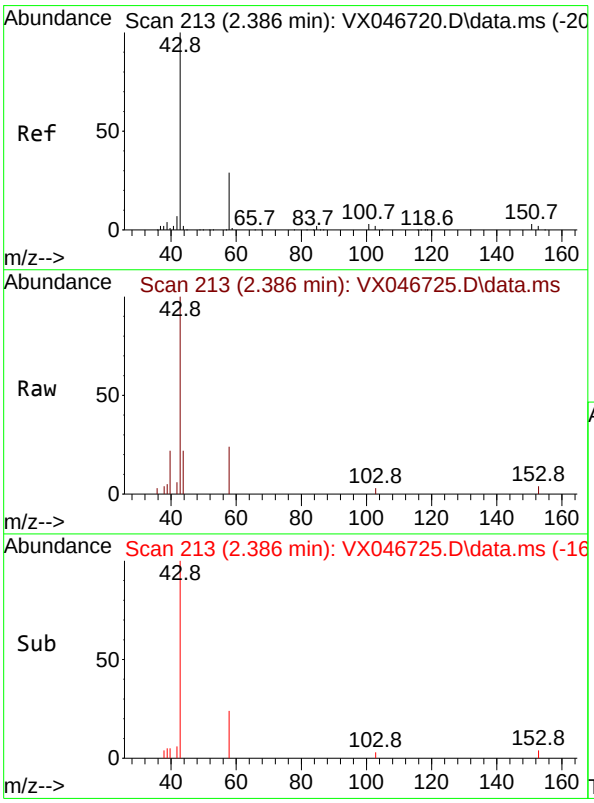
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 79.2 | 65.1 | 97.7 |
| 51 | 31.7 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

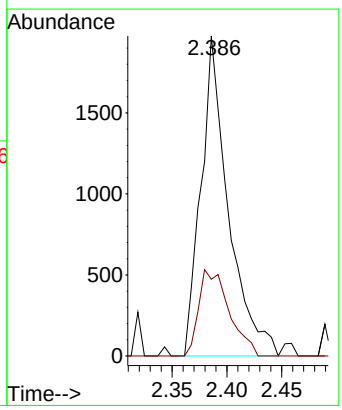
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

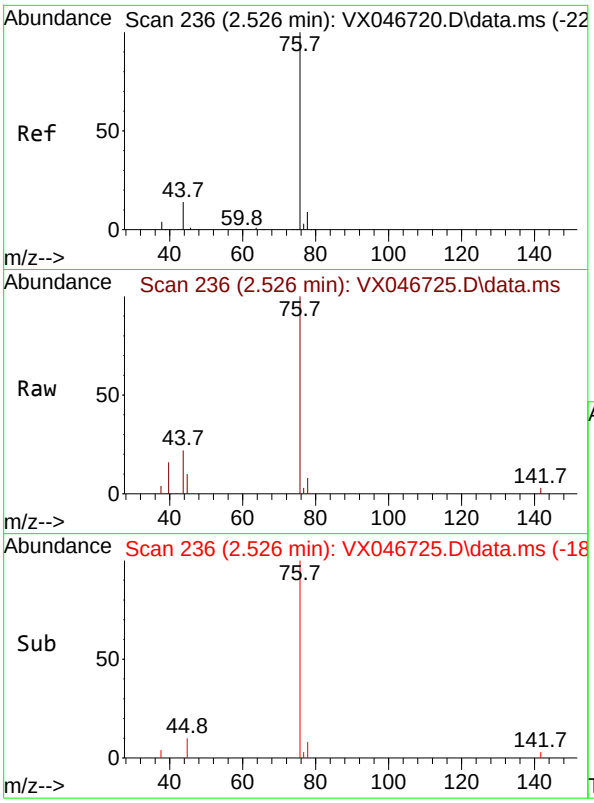



#16
Acetone
Concen: 5.449 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 3424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.6 | 24.5 | 36.7# |






#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

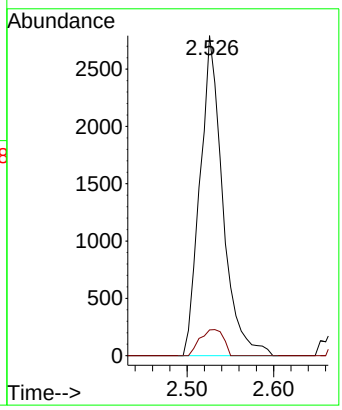
Tgt Ion: 76 Resp: 509

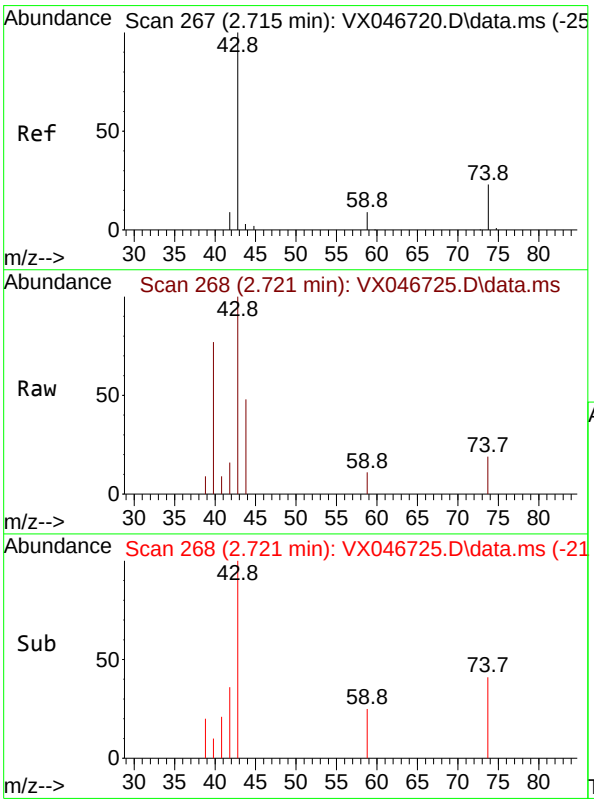
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.1 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

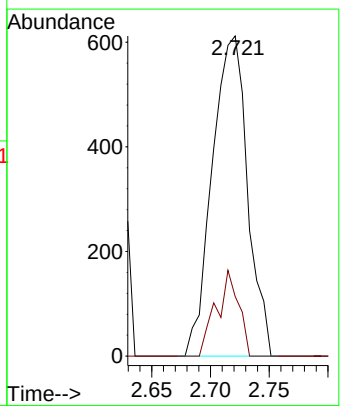


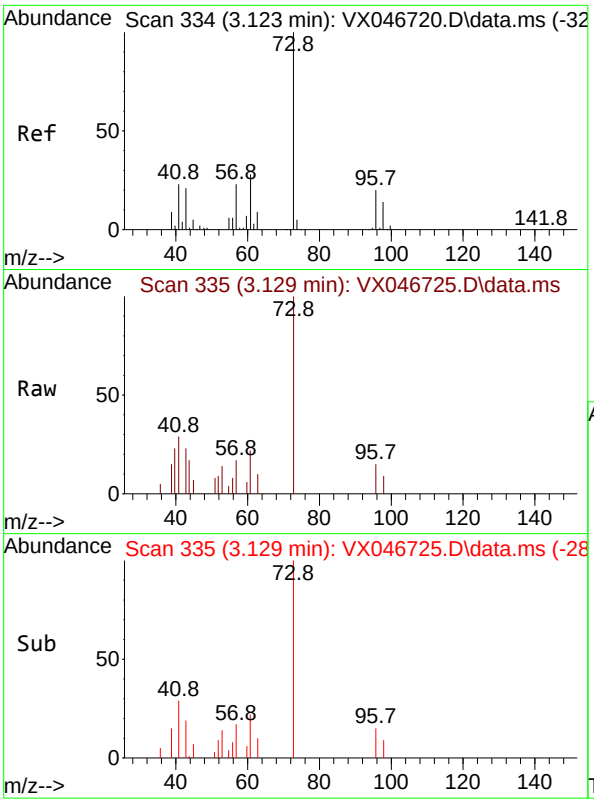




#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 1280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 16.9 | 18.4 | 27.6# |






#19
Methyl tert-butyl Ether
Concen: 0.830 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

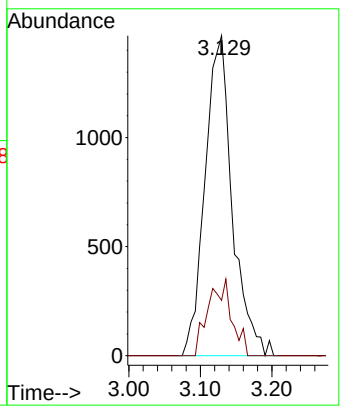
Tgt Ion: 73 Resp: 388

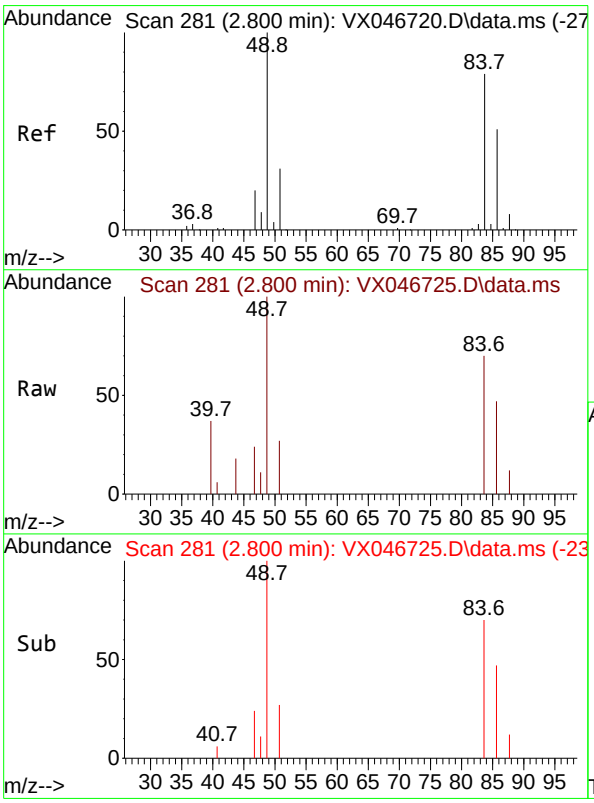
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 17.3 | 18.2 | 27.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

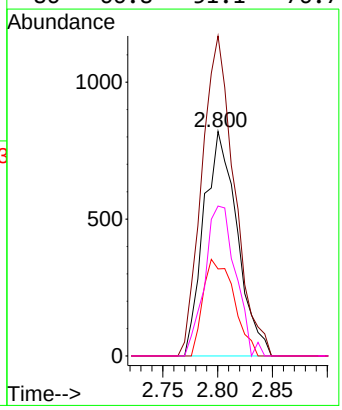


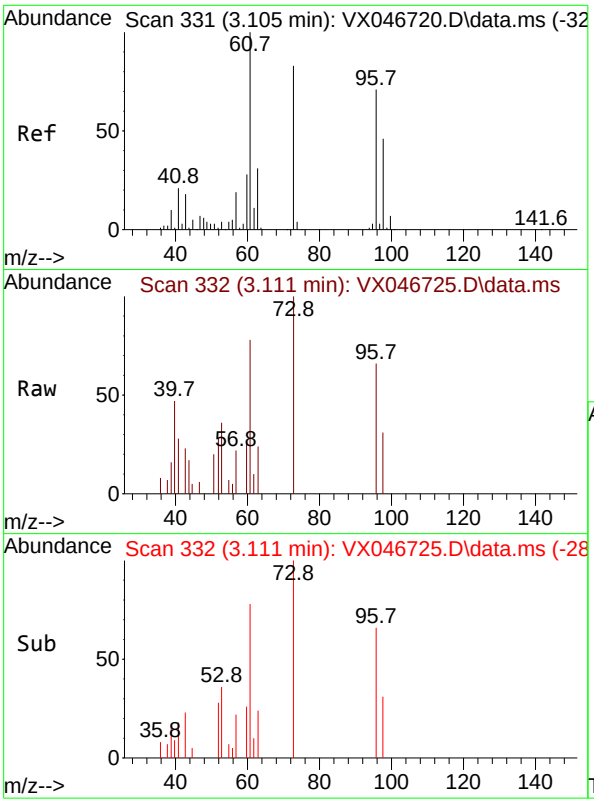




#20
Methylene Chloride
Concen: 0.994 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 84 Resp: 1736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.6 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 66.8 | 51.1 | 76.7 |

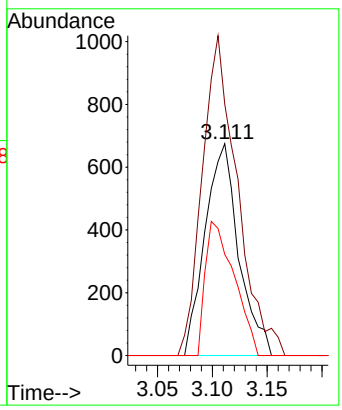





#21
trans-1,2-Dichloroethene
Concen: 0.895 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 96 Resp: 144

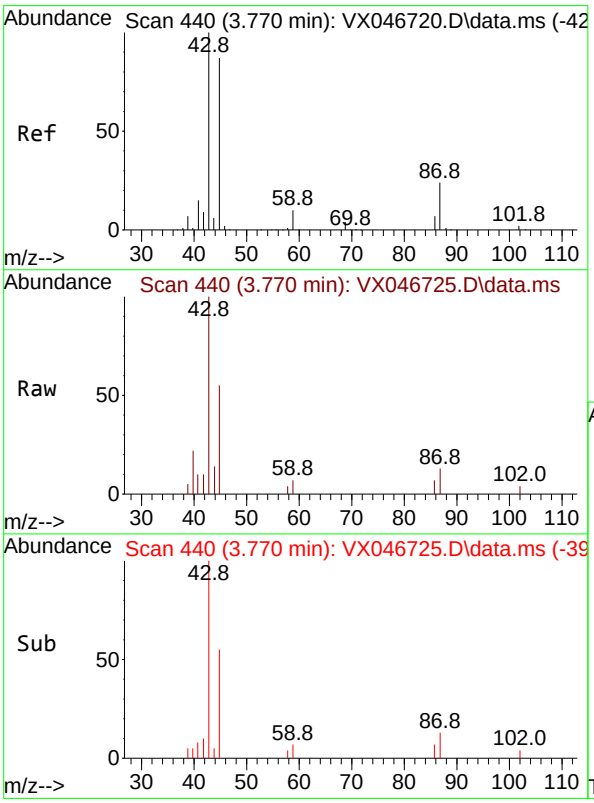
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.7 | 112.5 | 168.7 |
| 98 | 47.7 | 51.9 | 77.9# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

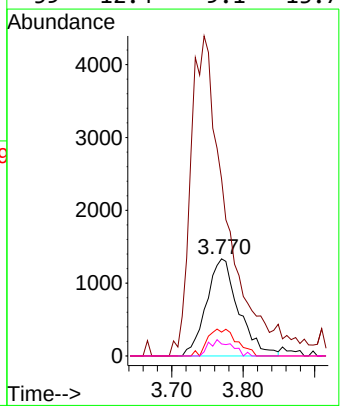
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

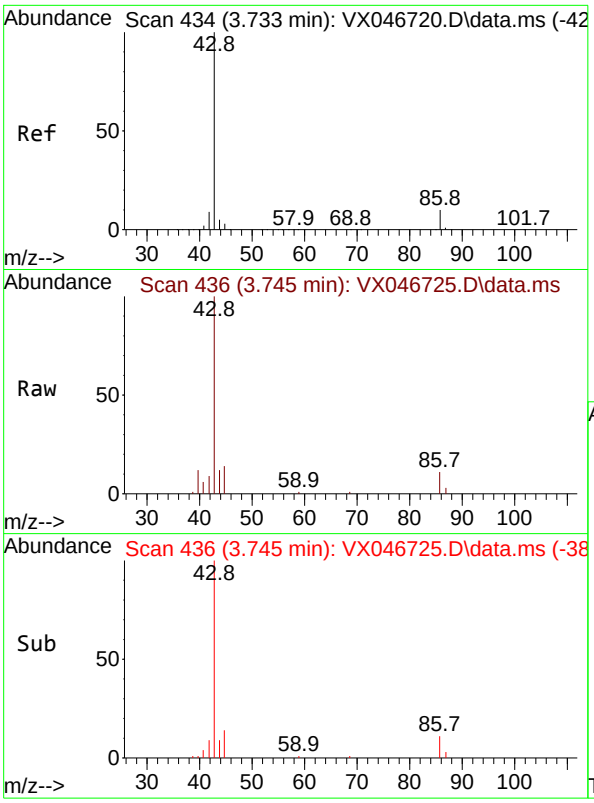



#22
Diisopropyl ether
Concen: 0.796 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 45 Resp: 4170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 155.2 | 91.9 | 137.9# |
| 87 | 24.5 | 22.0 | 33.0 |
| 59 | 12.4 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 3.722 ug/l
RT: 3.745 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

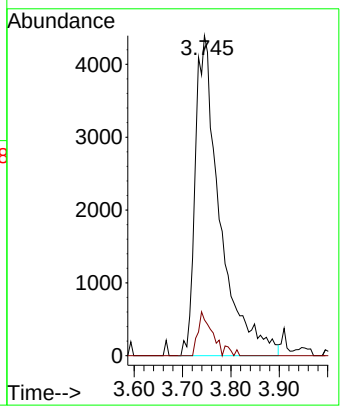
Tgt Ion: 43 Resp: 1550

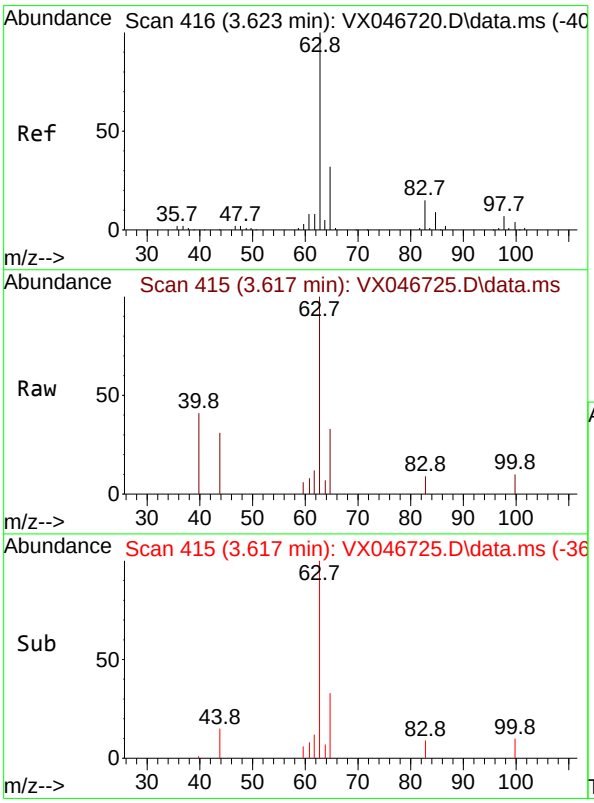
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 12.0 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

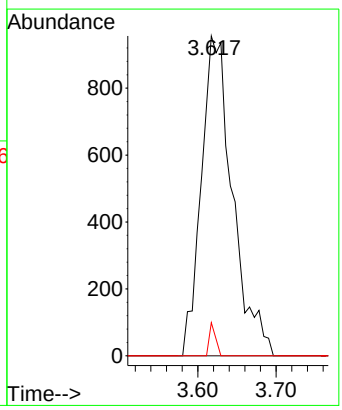


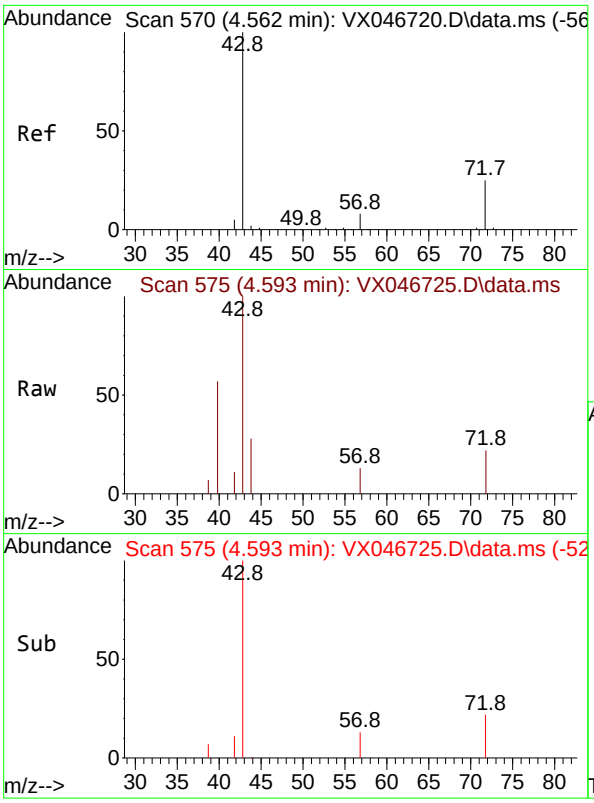




#24
1,1-Dichloroethane
Concen: 0.890 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 63 Resp: 2648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 4.0 | 11.9# |
| 100 | 10.4 | 2.2 | 6.6# |

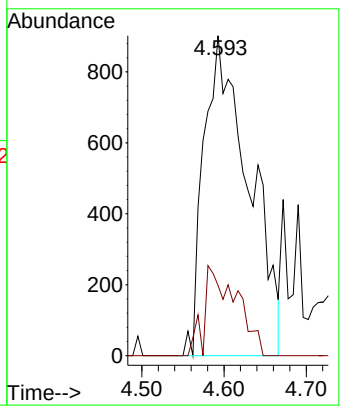





#25
2-Butanone
Concen: 3.851 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.030 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 342

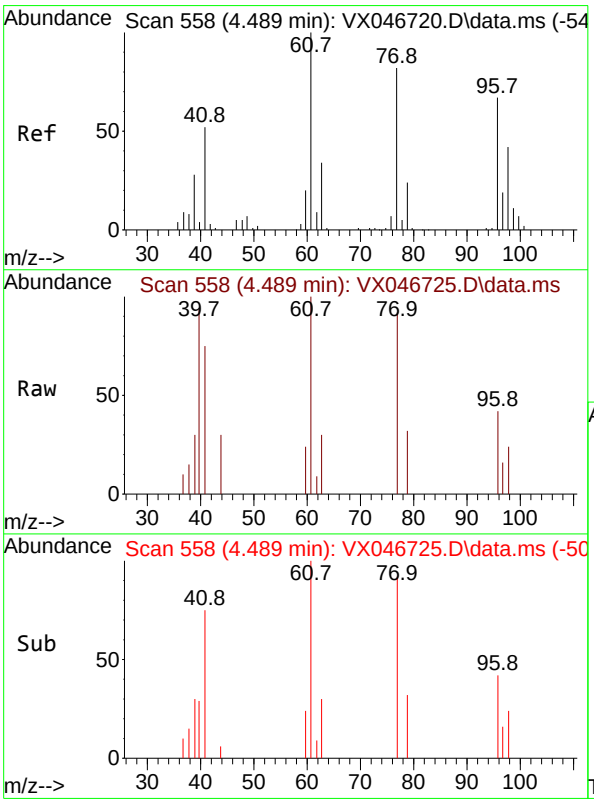
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.0 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

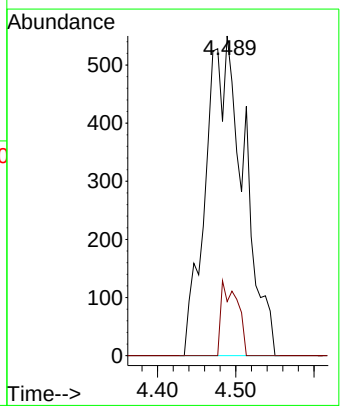
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

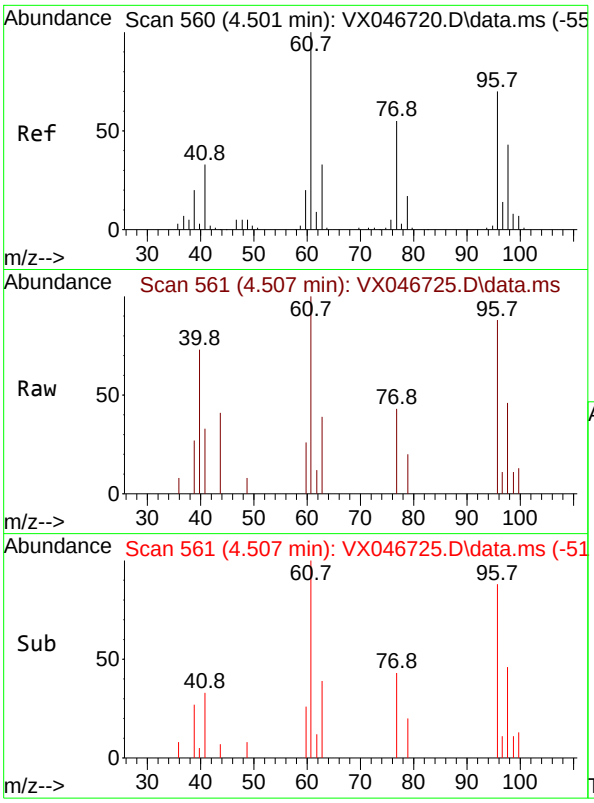



#26
2,2-Dichloropropane
Concen: 0.864 ug/l m
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 77 Resp: 1874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 9.8 | 11.8 | 35.3# |

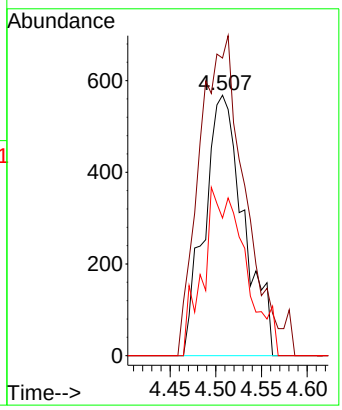





#27
cis-1,2-Dichloroethene
Concen: 0.898 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 96 Resp: 169

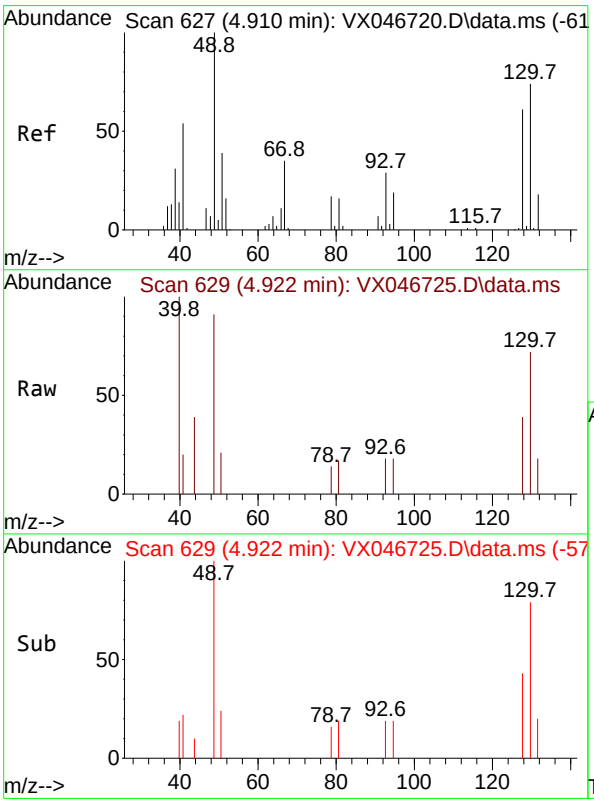
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.8 | 0.0 | 291.0 |
| 98 | 69.4 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

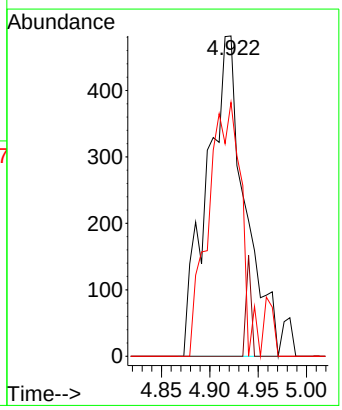
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

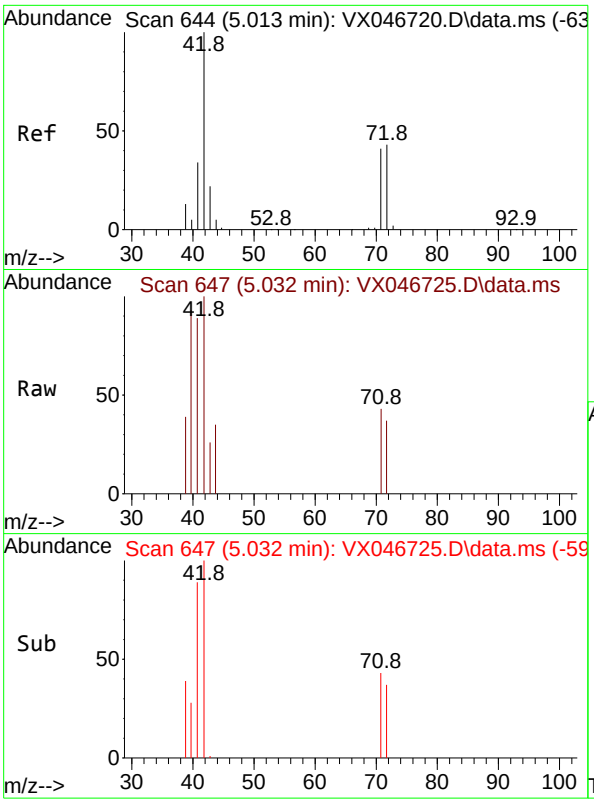



#28
Bromochloromethane
Concen: 0.969 ug/l
RT: 4.922 min Scan# 629
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 49 Resp: 1307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 68.6 | 61.4 | 92.0 |

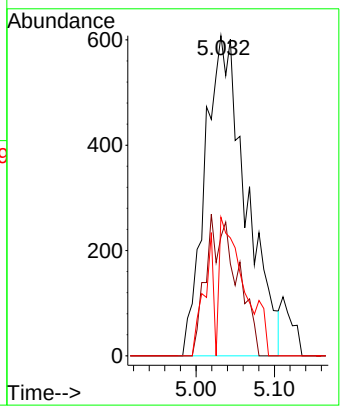





#29
Tetrahydrofuran
Concen: 3.854 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 42 Resp: 221

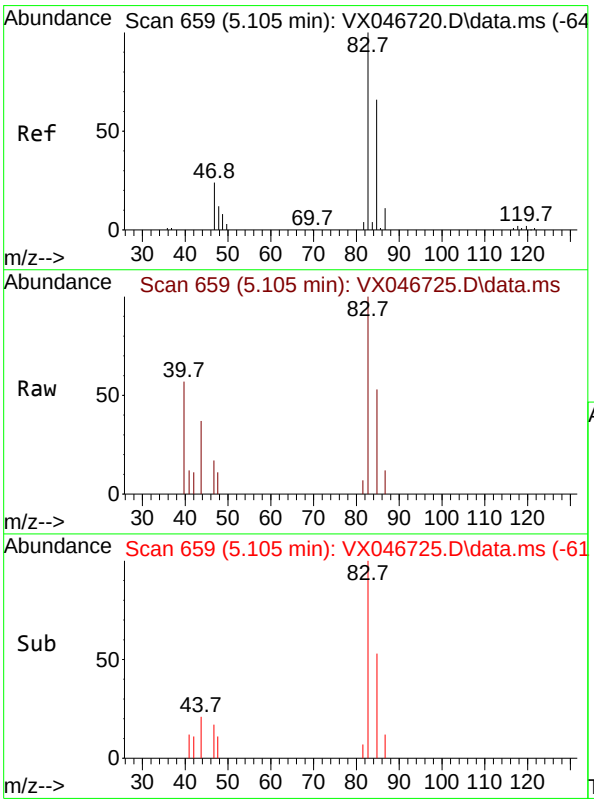
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.9 | 52.3# |
| 71 | 26.1 | 32.2 | 48.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

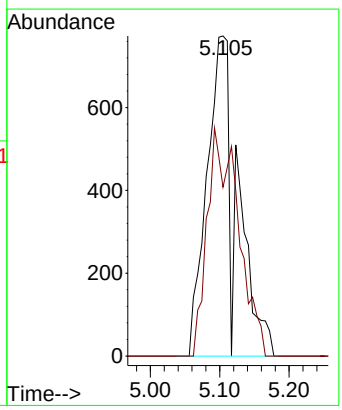
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

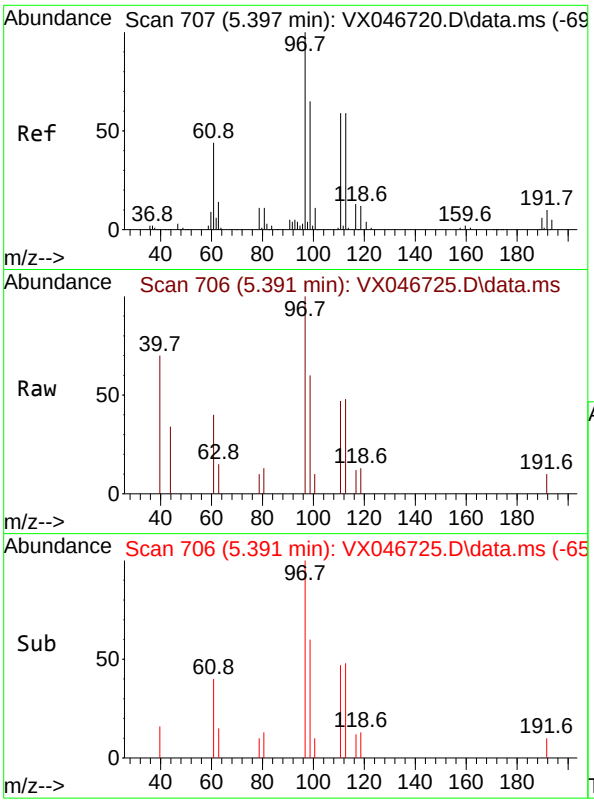



#30
Chloroform
Concen: 0.785 ug/l m
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 83 Resp: 2336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 52.8 | 53.7 | 80.5# |






#32
1,1,1-Trichloroethane
Concen: 0.848 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

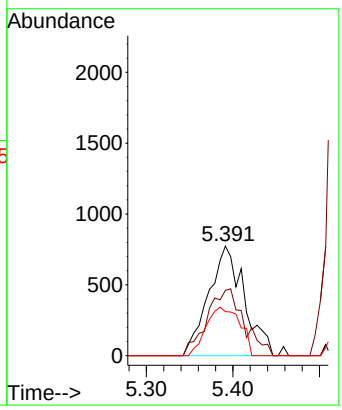
Tgt Ion: 97 Resp: 221

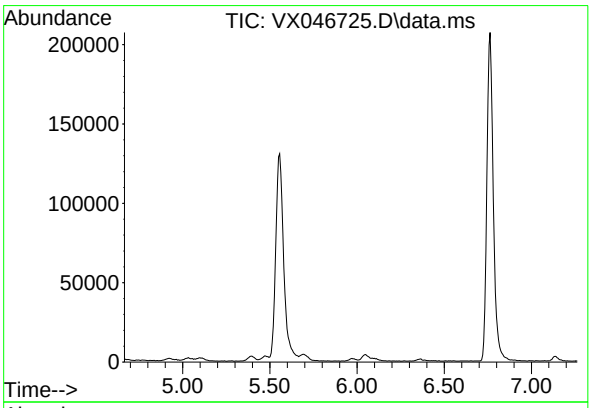
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.3 | 76.9# |
| 61 | 41.9 | 36.4 | 54.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



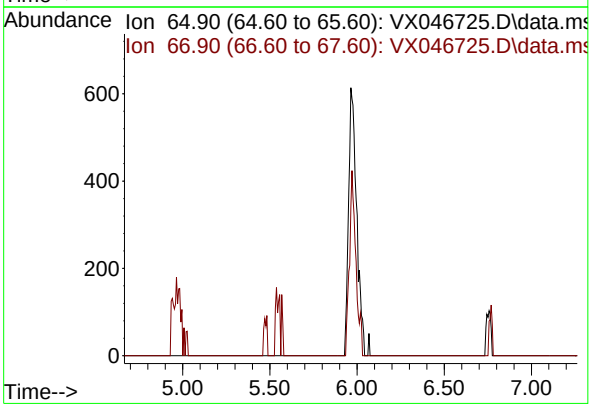



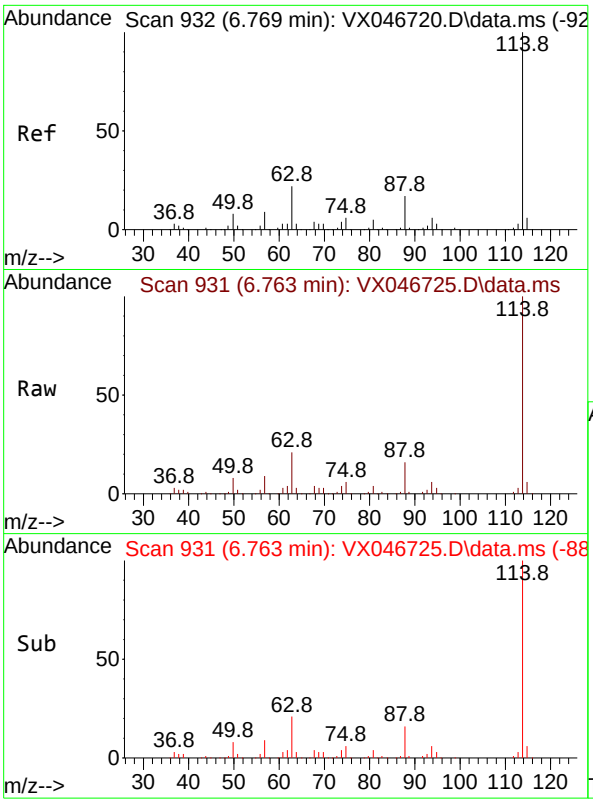

#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.96 min

Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 52.7 |

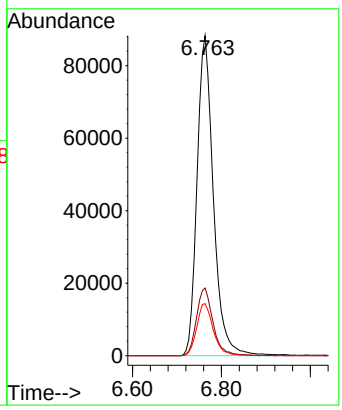





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:114 Resp: 22609

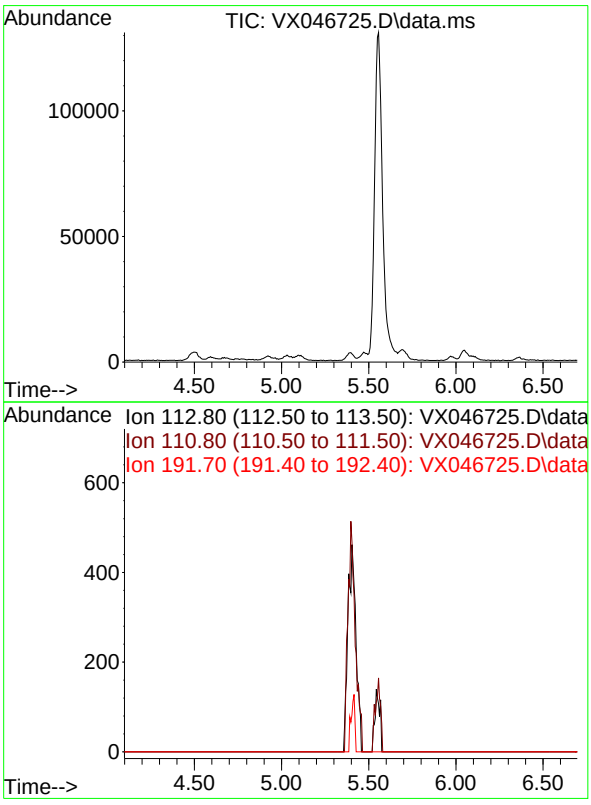
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.2 |
| 88 | 16.3 | 0.0 | 33.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

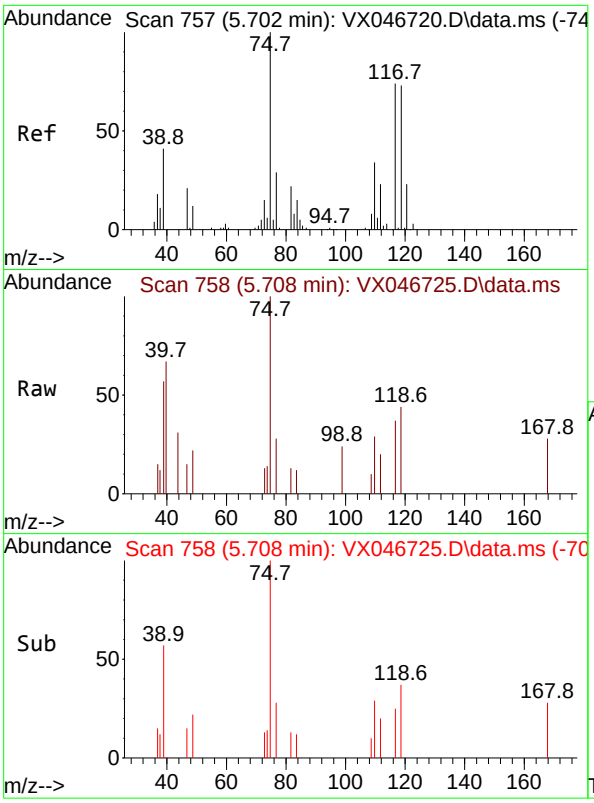



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.40 min

Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 113

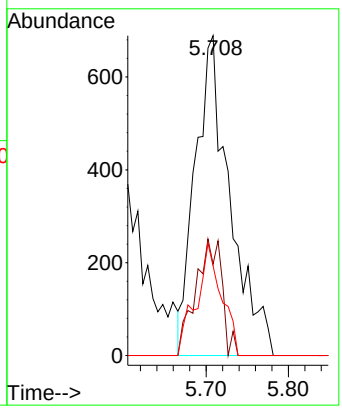
| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 102.5 |
| 192 | 19.1 |




#36
1,1-Dichloropropene
Concen: 0.934 ug/l
RT: 5.708 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 201

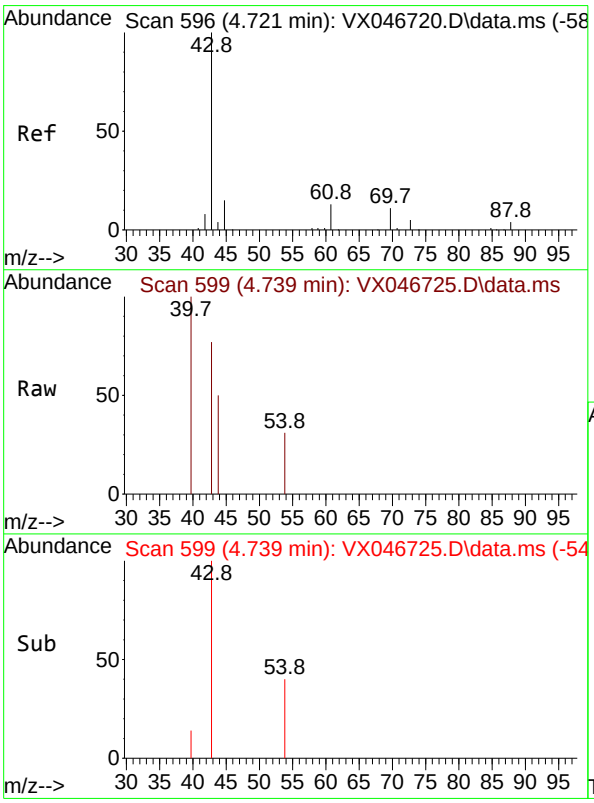
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 27.6 | 17.2 | 51.5 |
| 77 | 25.5 | 24.2 | 36.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

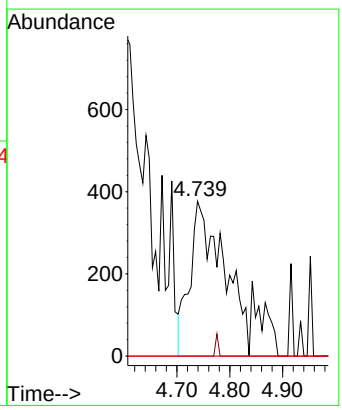
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

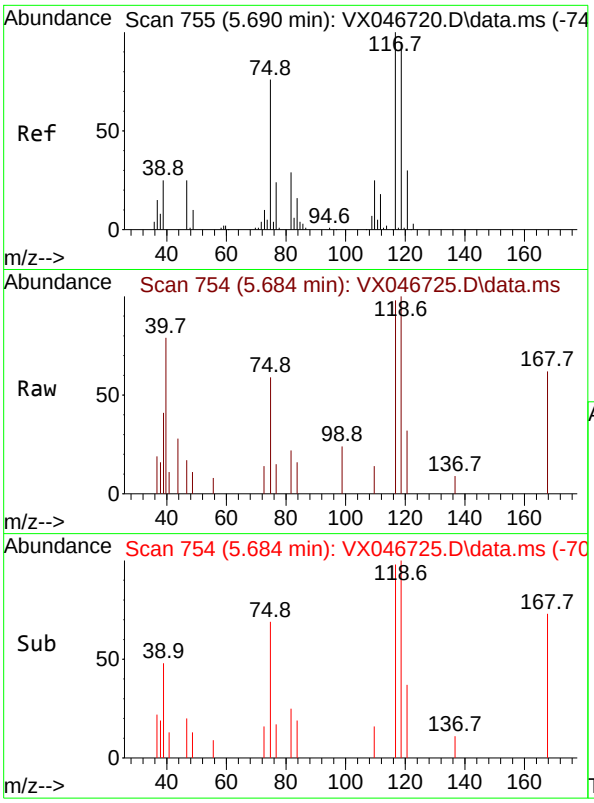



#37
Ethyl Acetate
Concen: 1.004 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 2002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 9.7 | 14.5# |
| 70 | 0.0 | 8.1 | 12.1# |

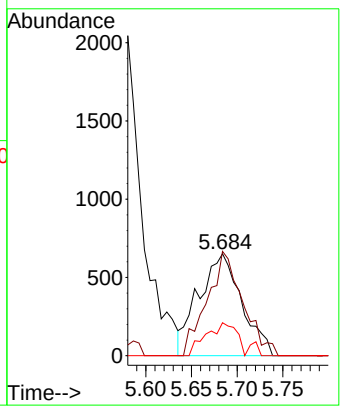





#38
Carbon Tetrachloride
Concen: 0.906 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:117 Resp: 212

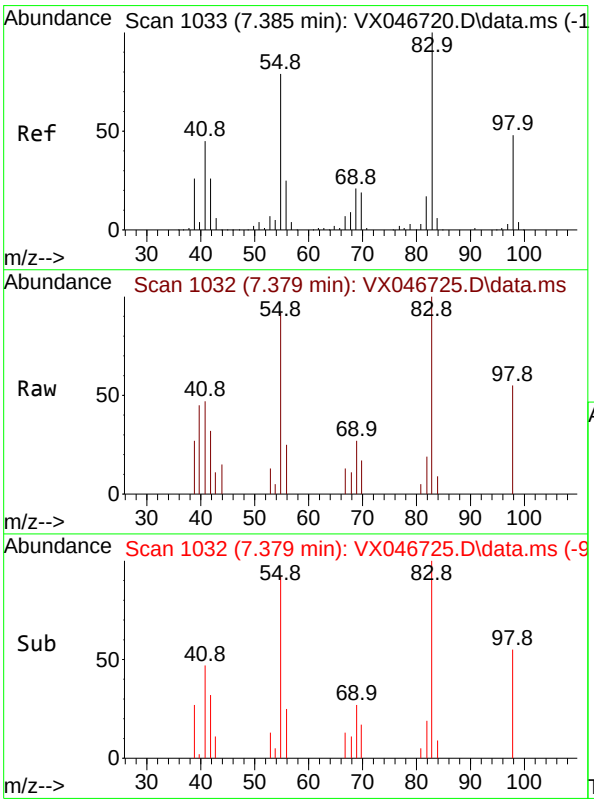
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.3 | 75.2 | 112.8 |
| 121 | 32.4 | 24.1 | 36.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

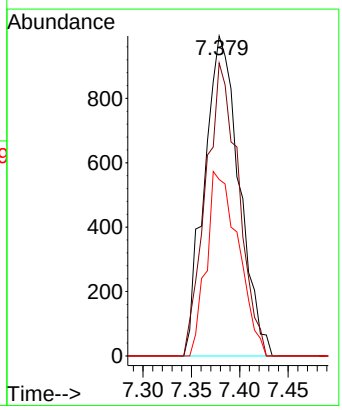
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

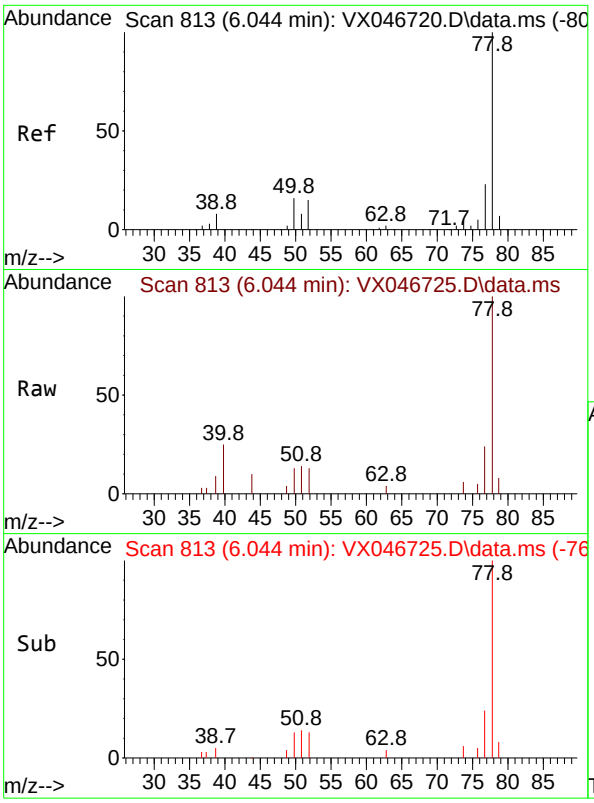



#39
Methylcyclohexane
Concen: 0.875 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 83 Resp: 2485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 91.5 | 63.0 | 94.4 |
| 98 | 55.1 | 38.8 | 58.2 |

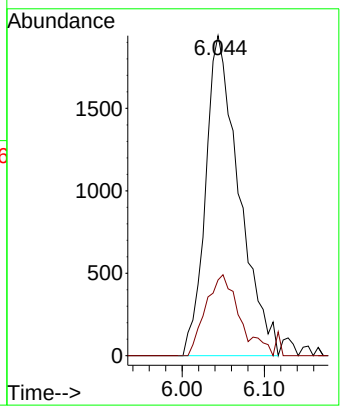





#40
Benzene
Concen: 0.862 ug/l
RT: 6.044 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 78 Resp: 550

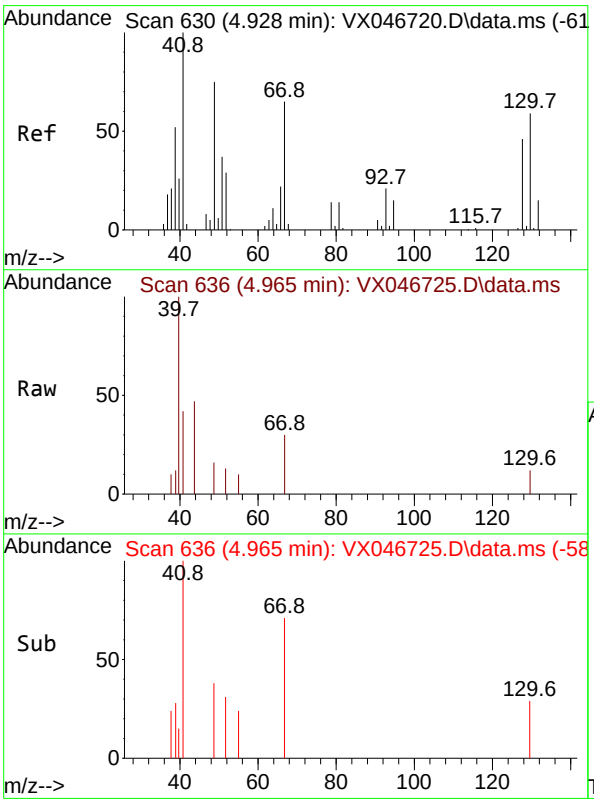
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.0 | 18.8 | 28.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

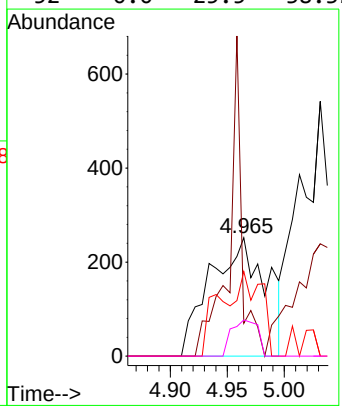
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

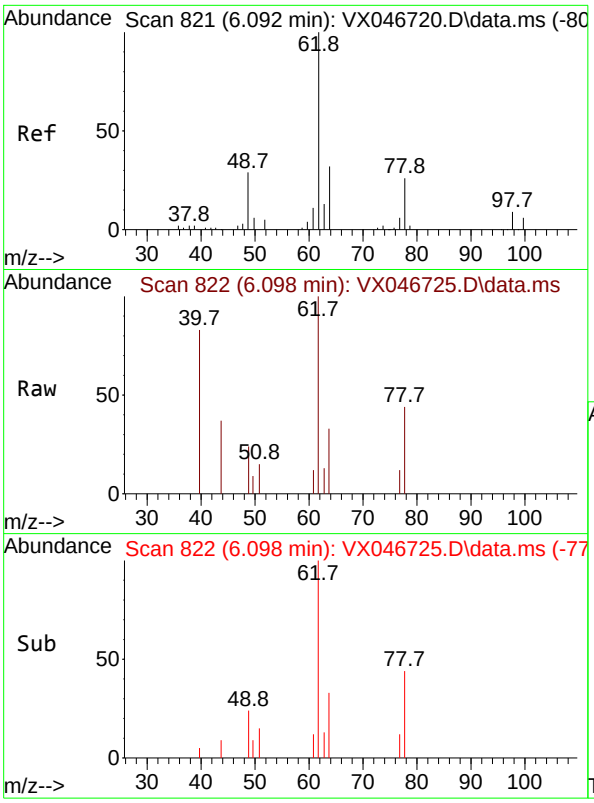



#41
Methacrylonitrile
Concen: 0.806 ug/l m
RT: 4.965 min Scan# 636
Delta R.T. 0.036 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 41 Resp: 857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 45.9 | 68.9# |
| 67 | 20.4 | 61.2 | 91.8# |
| 52 | 0.0 | 25.5 | 38.3# |

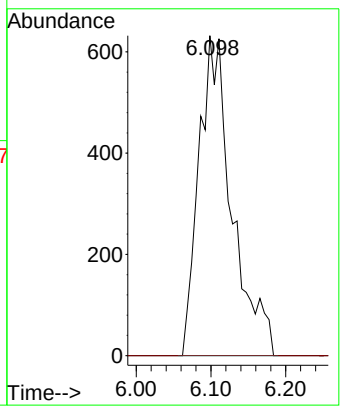





#42
1,2-Dichloroethane
Concen: 0.863 ug/l
RT: 6.098 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 62 Resp: 193

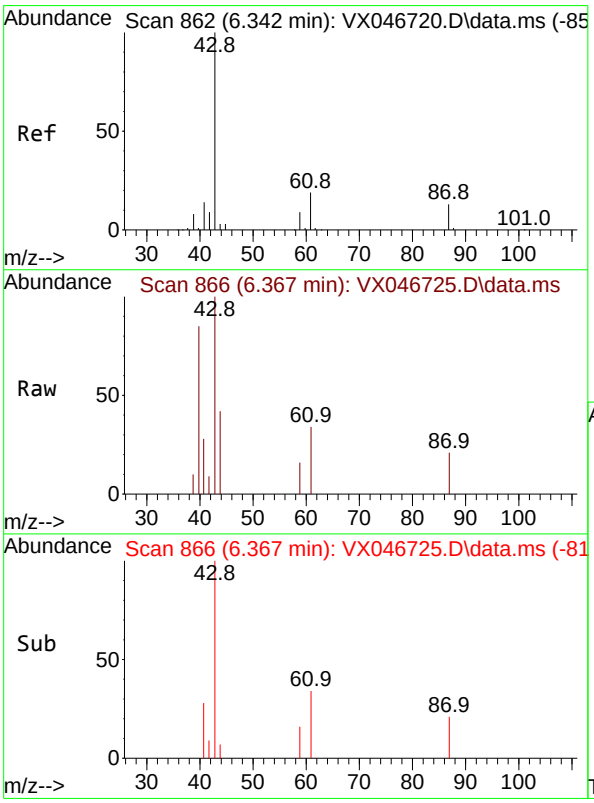
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 0.0 | 17.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

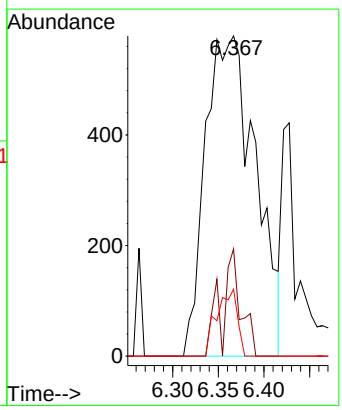
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

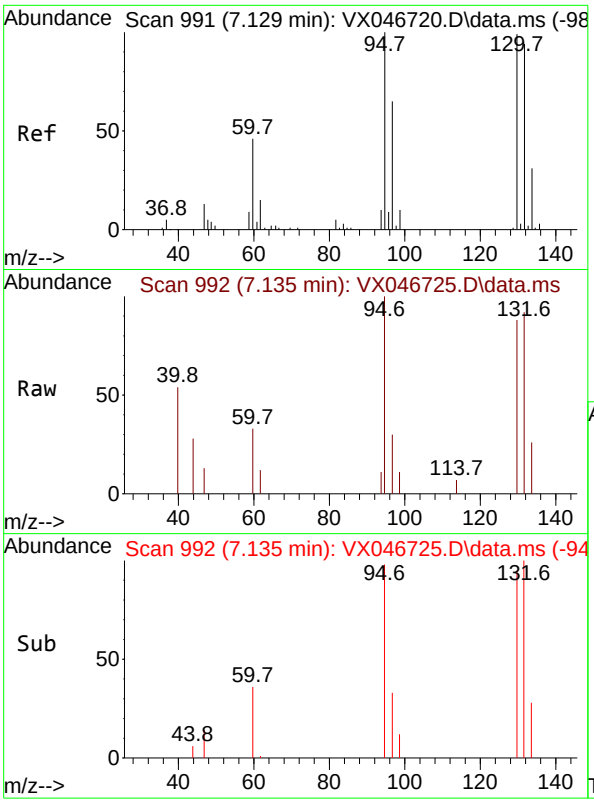



#43
Isopropyl Acetate
Concen: 0.711 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.024 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 2218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 9.3 | 15.3 | 22.9# |
| 87 | 8.6 | 10.0 | 15.0# |

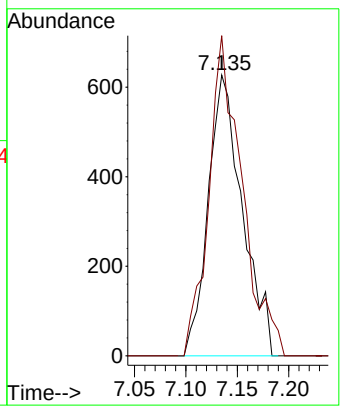





#44
Trichloroethene
Concen: 0.889 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:130 Resp: 144

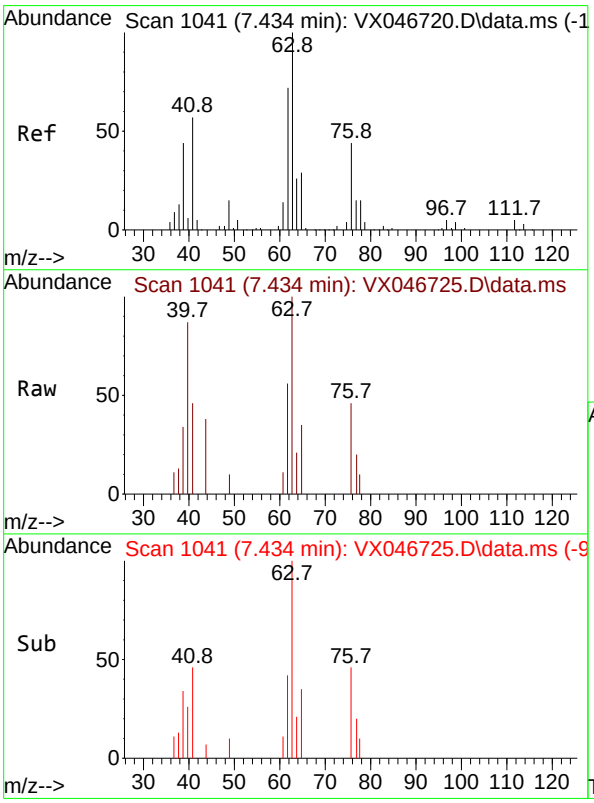
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 114.0 | 0.0 | 202.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

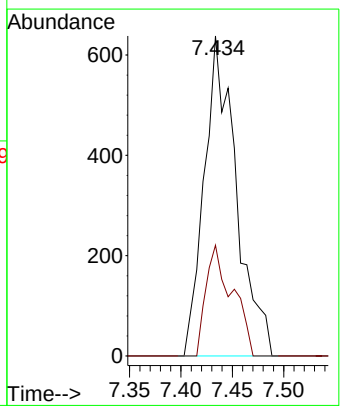
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

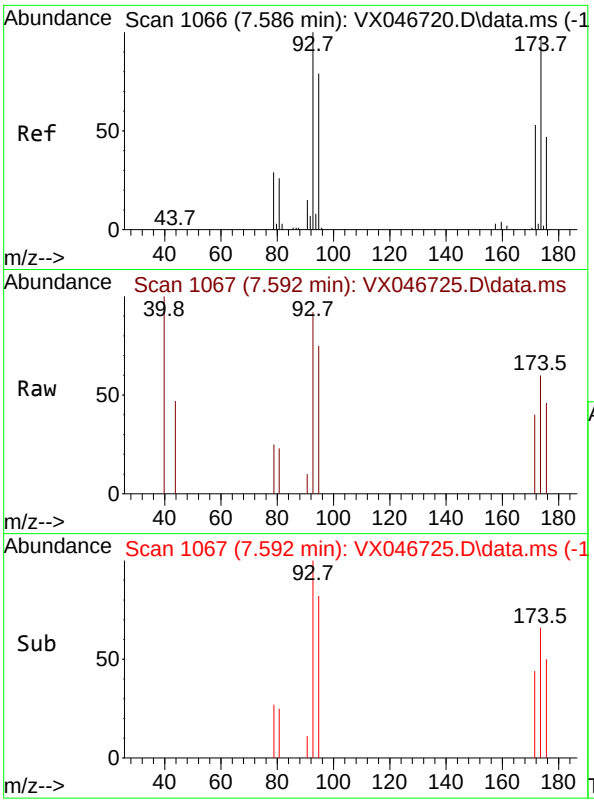



#45
1,2-Dichloropropane
Concen: 0.871 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 63 Resp: 1380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.6 | 22.9 | 34.3# |

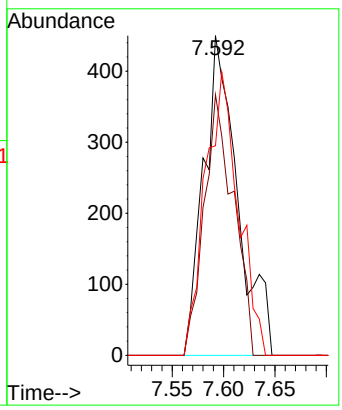





#46
Dibromomethane
Concen: 0.905 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 93 Resp: 103

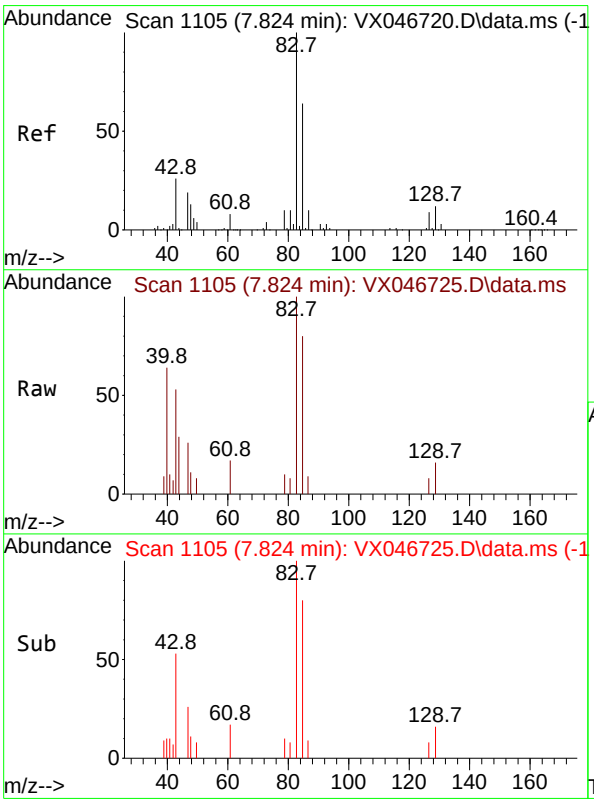
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 71.1 | 66.2 | 99.4 |
| 174 | 86.7 | 77.0 | 115.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

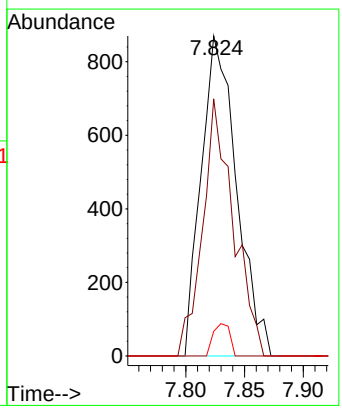
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

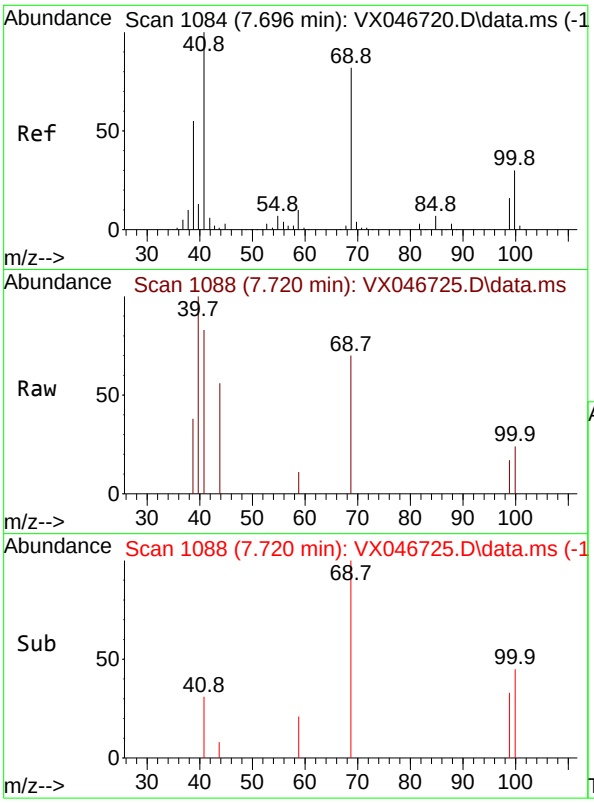



#47
Bromodichloromethane
Concen: 0.786 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 83 Resp: 1825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 80.3 | 51.4 | 77.2# |
| 127 | 7.7 | 6.9 | 10.3 |

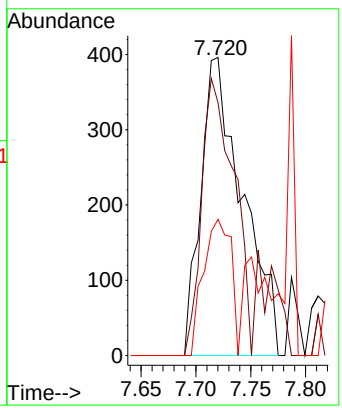





#48
Methyl methacrylate
Concen: 0.671 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 41 Resp: 105

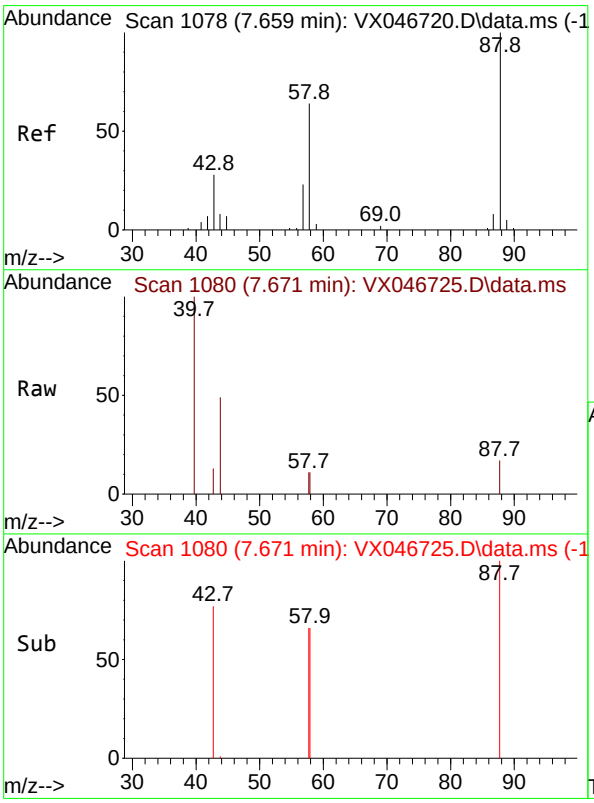
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.8 | 63.4 | 95.2 |
| 39 | 30.3 | 45.4 | 68.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

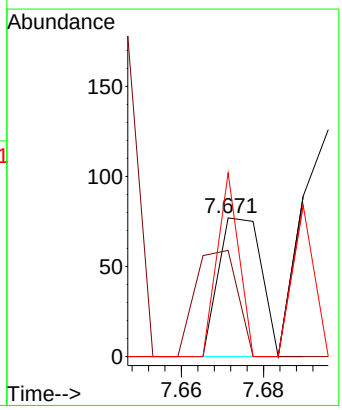
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

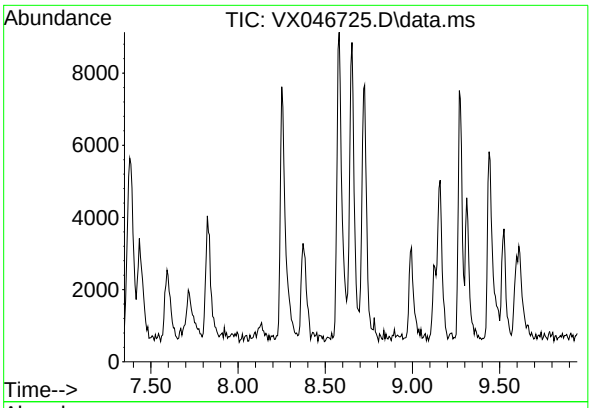



#49
1,4-Dioxane
Concen: 28.694 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 88 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 75.0 | 31.2 | 46.8# |
| 58 | 66.1 | 54.7 | 82.1 |






#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

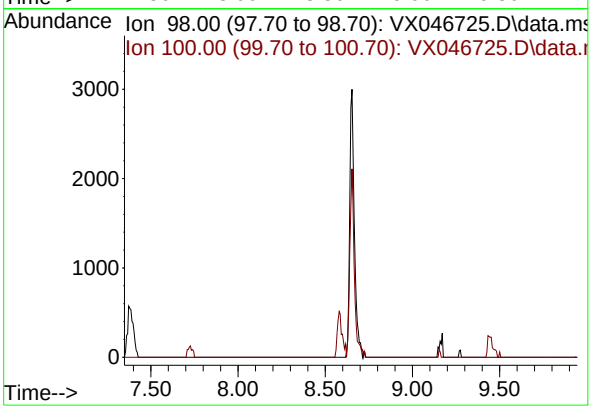
Tgt Ion: 98

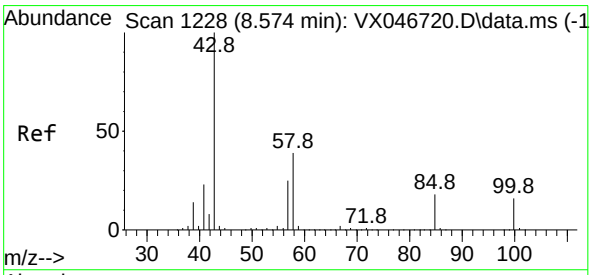
| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 66.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

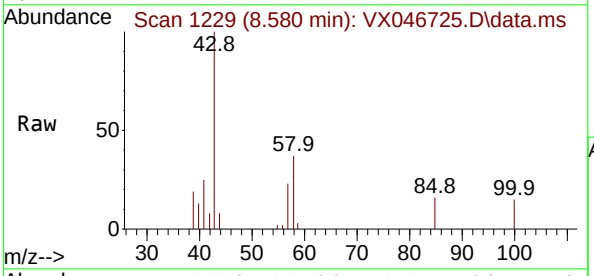


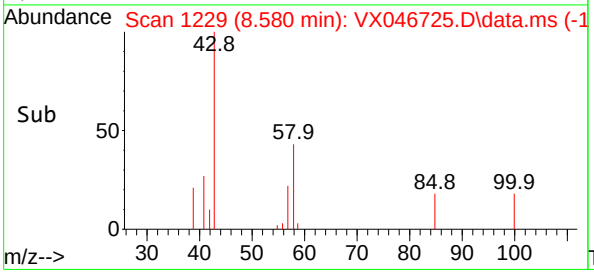



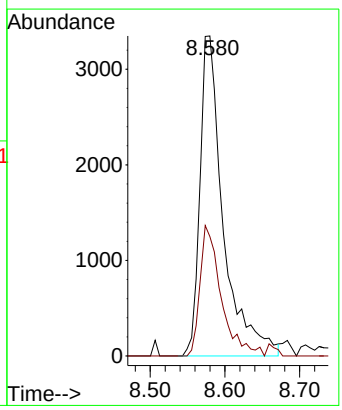

#51
4-Methyl-2-Pentanone
Concen: 3.910 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

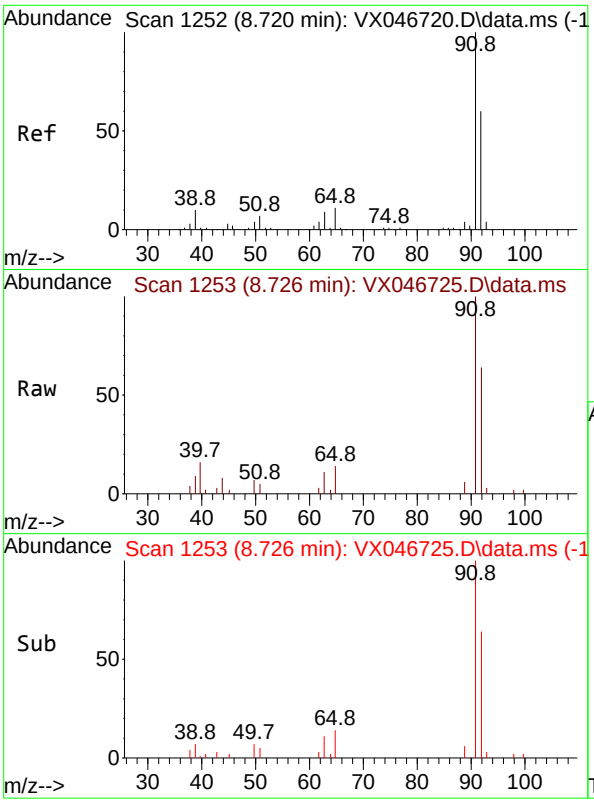
Tgt Ion: 43 Resp: 7273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 30.8 | 46.2 |



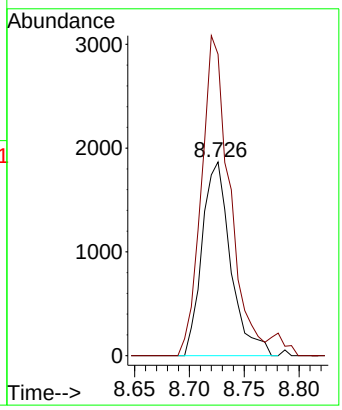






#52
Toluene
Concen: 0.856 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 92 Resp: 339

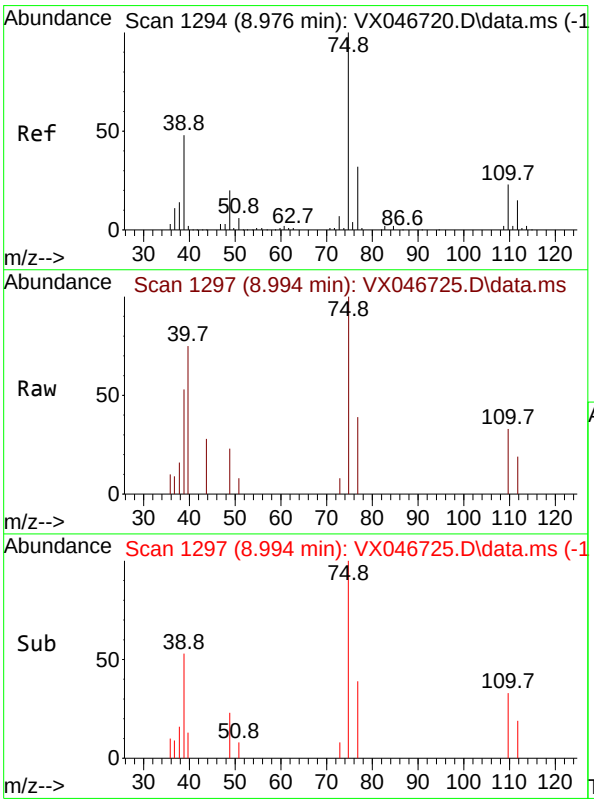
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 163.1 | 134.8 | 202.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

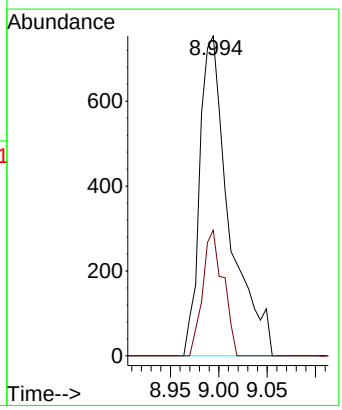
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

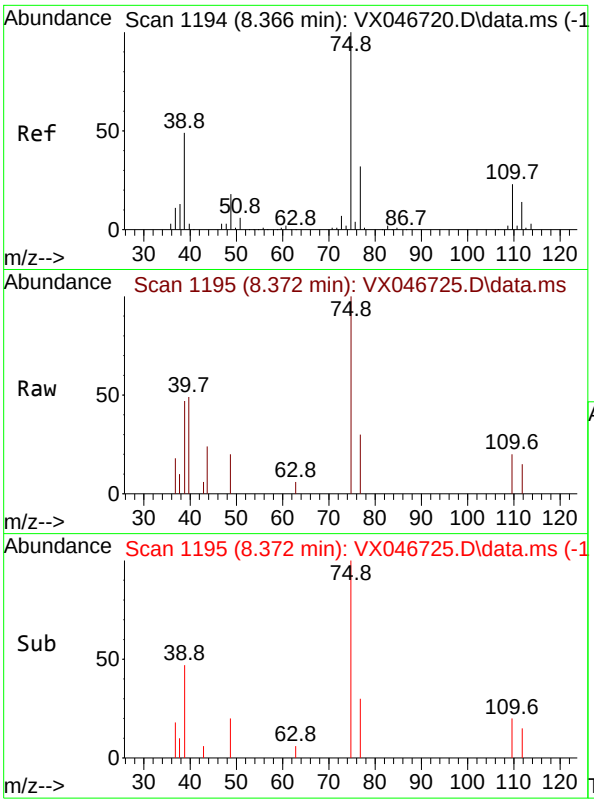



#53
t-1,3-Dichloropropene
Concen: 0.746 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 1607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.3 | 25.6 | 38.4# |

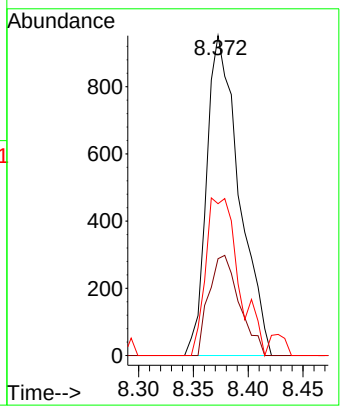





#54
cis-1,3-Dichloropropene
Concen: 0.806 ug/l
RT: 8.372 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 197

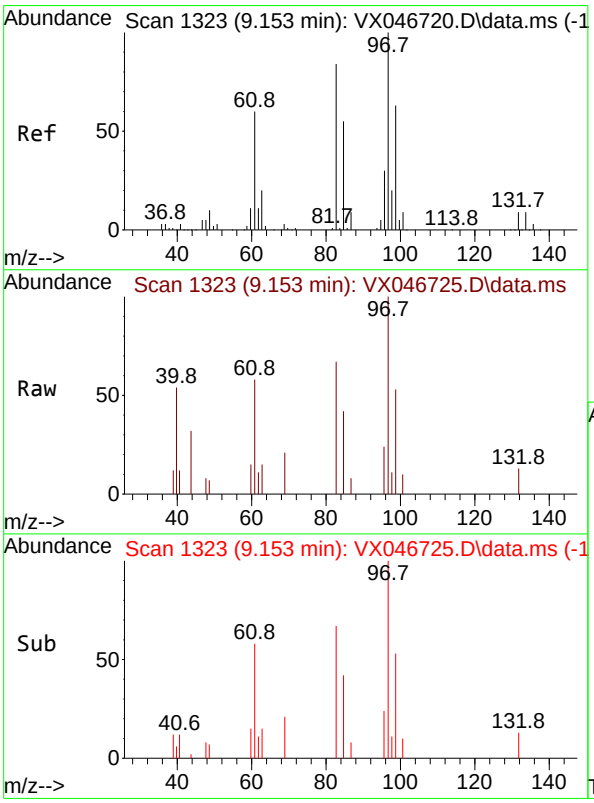
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 25.3 | 37.9 |
| 39 | 96.1 | 39.2 | 58.8# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

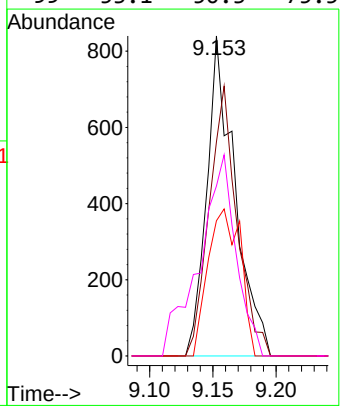
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

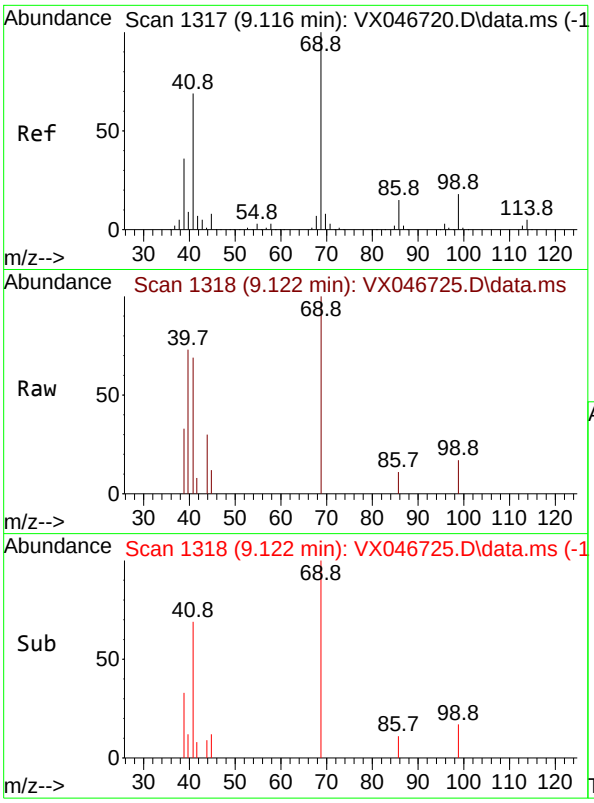



#55
1,1,2-Trichloroethane
Concen: 0.878 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 97 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 66.9 | 67.2 | 100.8# |
| 85 | 42.3 | 44.1 | 66.1# |
| 99 | 53.1 | 50.3 | 75.5 |

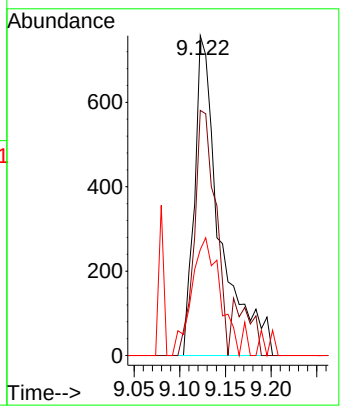





#56
Ethyl methacrylate
Concen: 0.678 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 69 Resp: 147

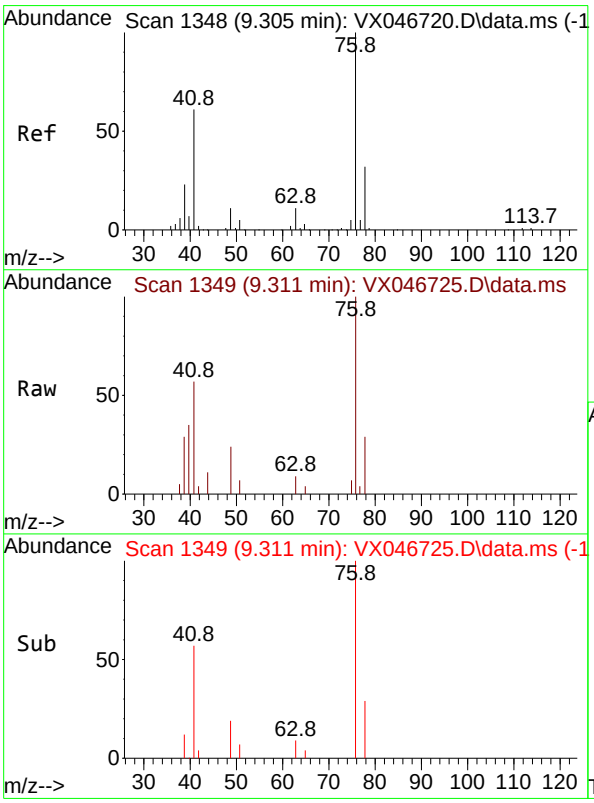
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 63.2 | 55.4 | 83.2 |
| 39 | 41.0 | 29.7 | 44.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

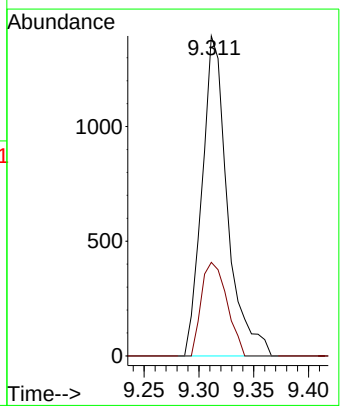
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

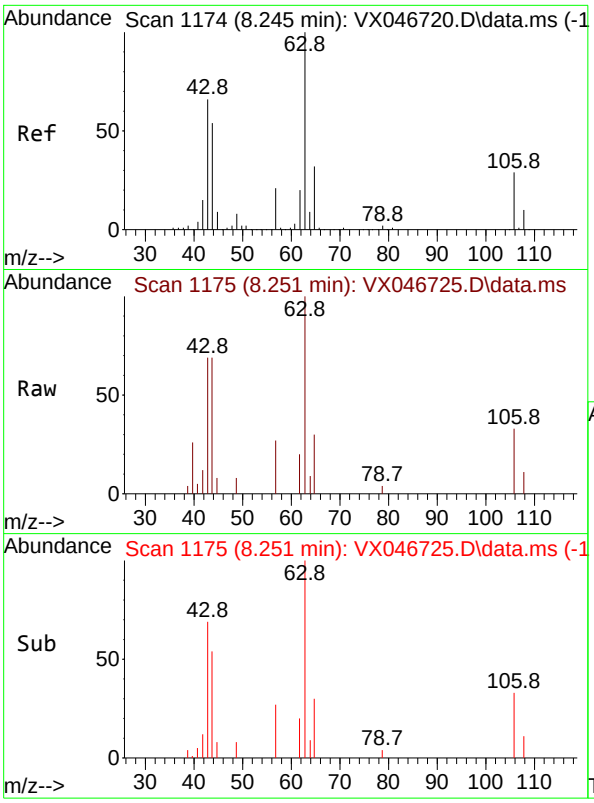



#57
1,3-Dichloropropane
Concen: 0.885 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 76 Resp: 2249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 29.5 | 25.7 | 38.5 |

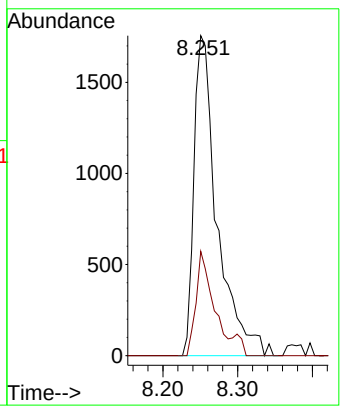





#58
2-Chloroethyl Vinyl ether
Concen: 3.337 ug/l
RT: 8.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 63 Resp: 377

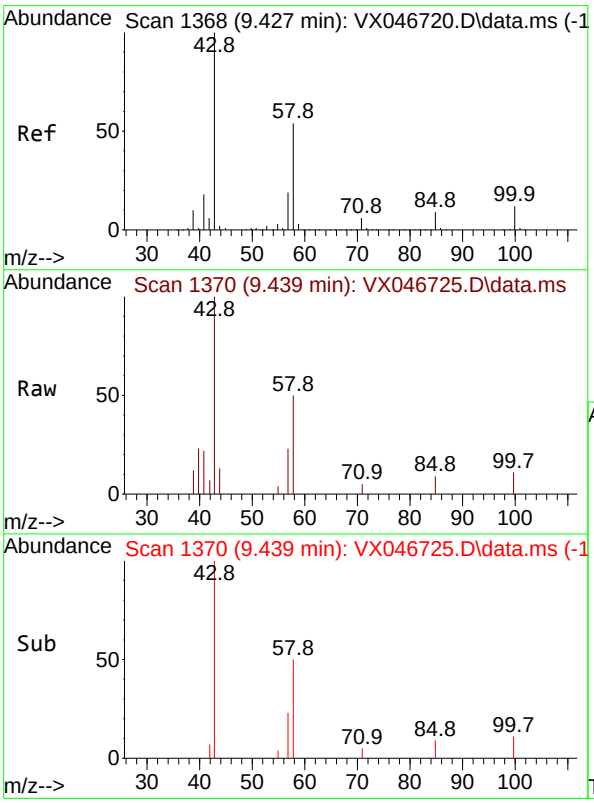
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.2 | 22.6 | 34.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

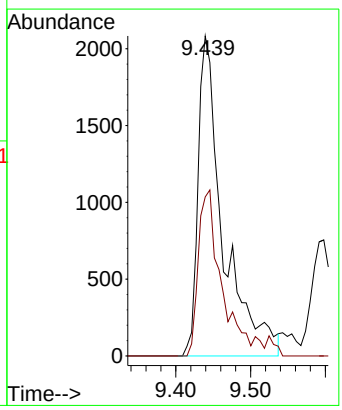
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

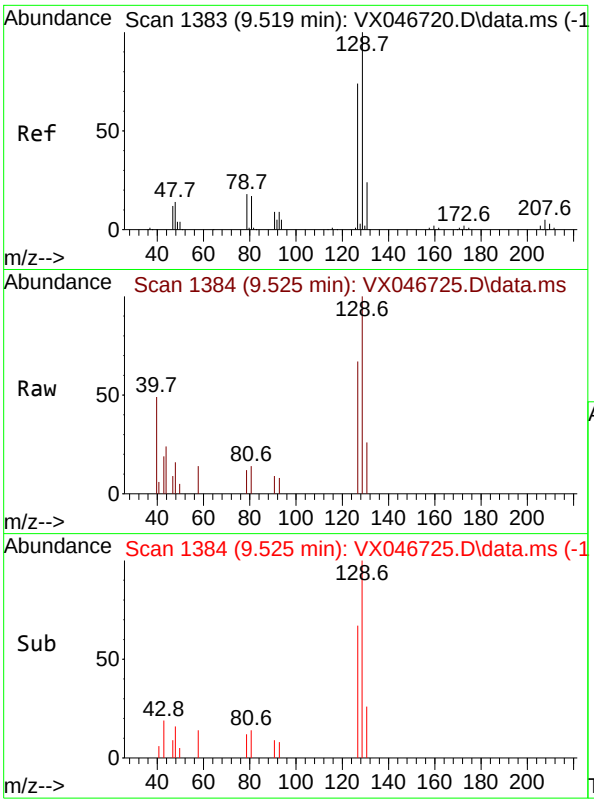



#59
2-Hexanone
Concen: 3.758 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 4833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.0 | 26.8 | 80.4 |

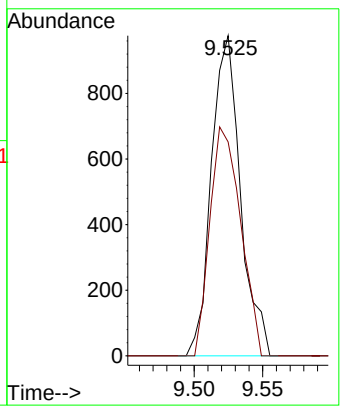





#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:129 Resp: 143

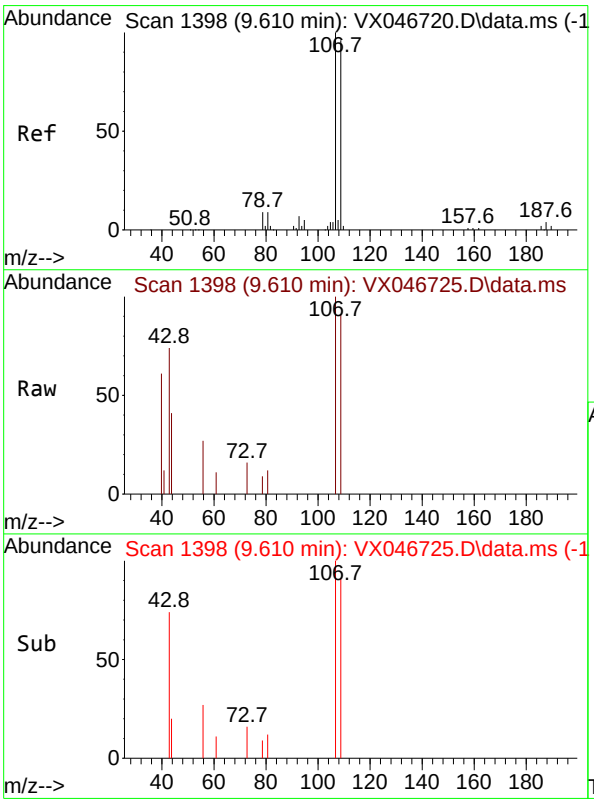
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.8 | 38.4 | 115.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

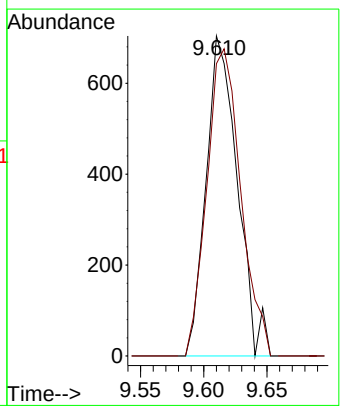
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

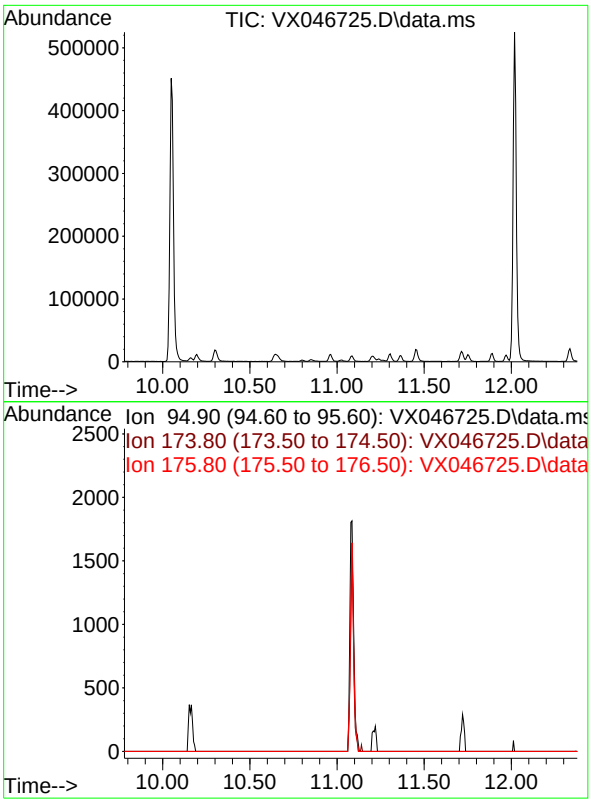



#61
1,2-Dibromoethane
Concen: 0.805 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:107 Resp: 1209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 104.6 | 75.8 | 113.6 |






#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

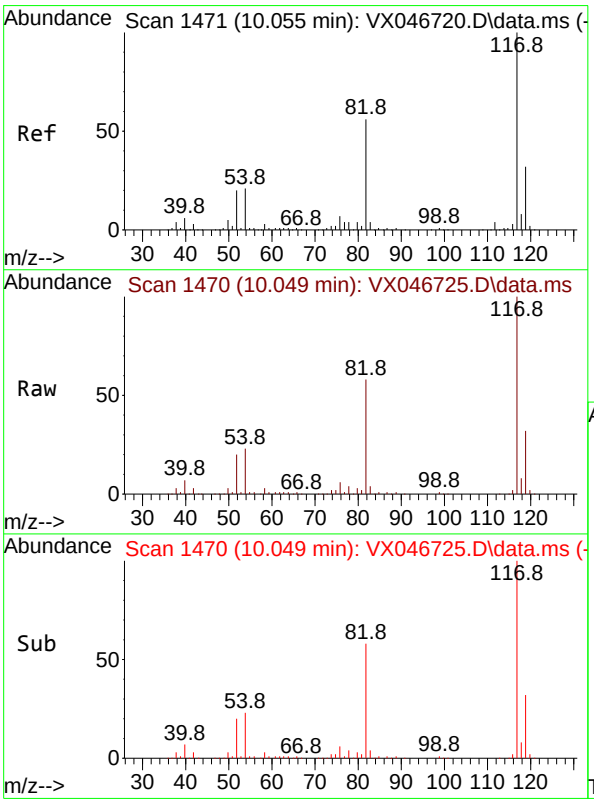
Tgt Ion: 95

| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 75.2 |
| 176 | 72.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

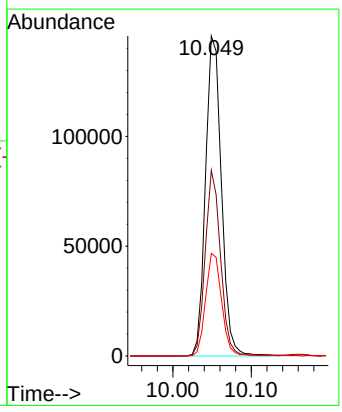
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

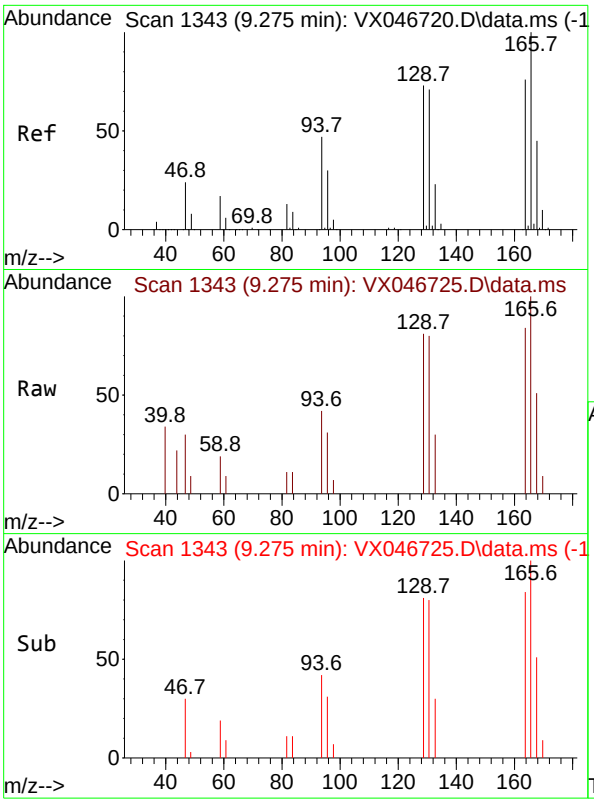



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:117 Resp: 205370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

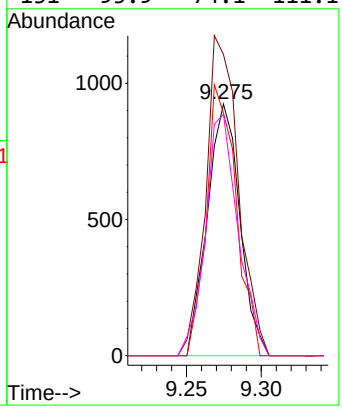





#64
Tetrachloroethene
Concen: 0.983 ug/l
RT: 9.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:164 Resp: 139

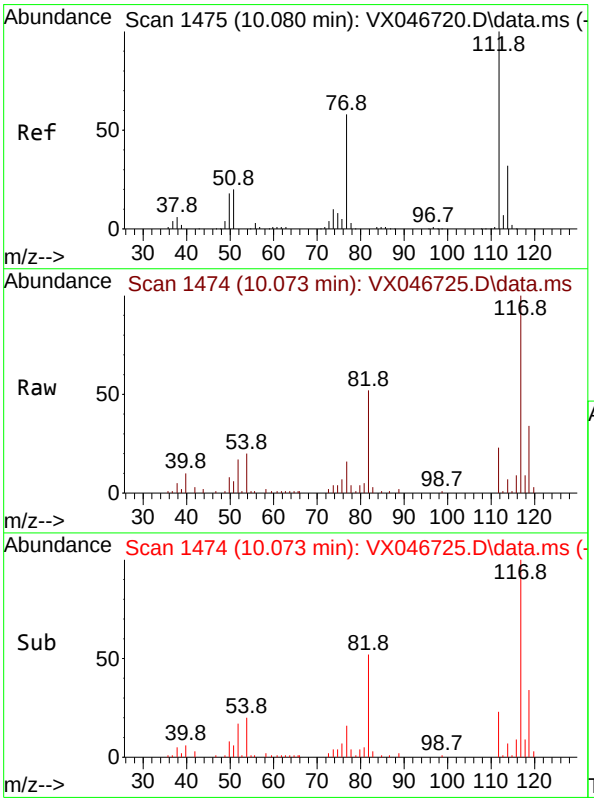
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.7 | 104.6 | 157.0 |
| 129 | 96.4 | 76.3 | 114.5 |
| 131 | 95.9 | 74.1 | 111.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

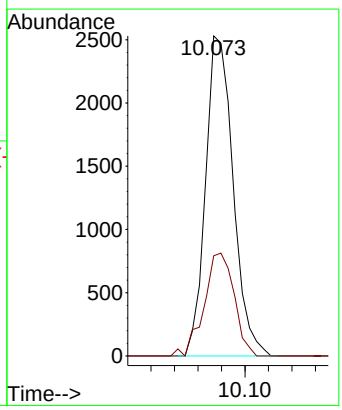
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

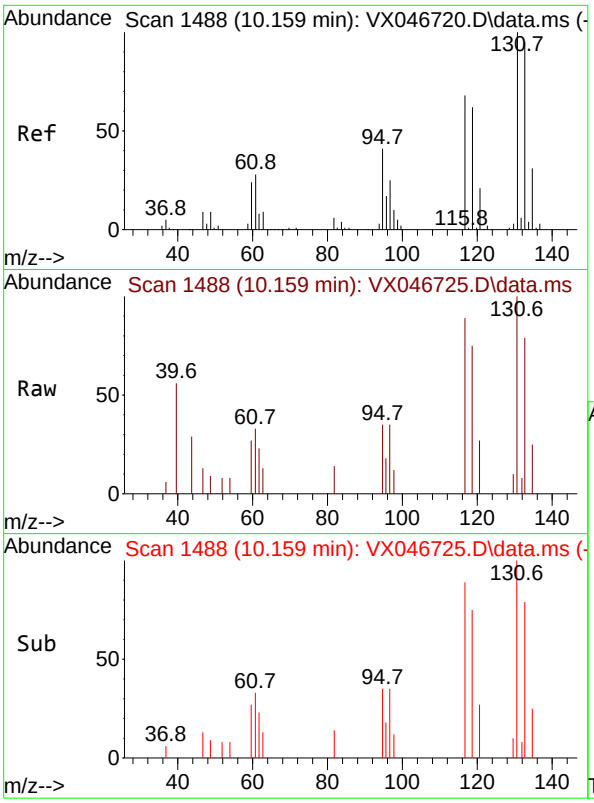



#65
Chlorobenzene
Concen: 0.910 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:112 Resp: 4127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.5 | 38.3 |

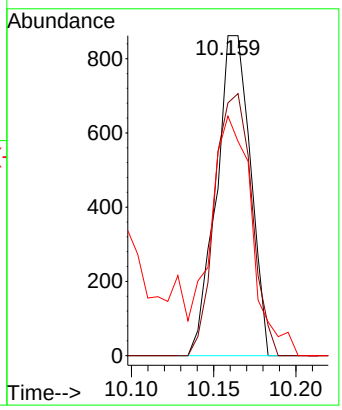





#66
1,1,1,2-Tetrachloroethane
Concen: 0.815 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:131 Resp: 124

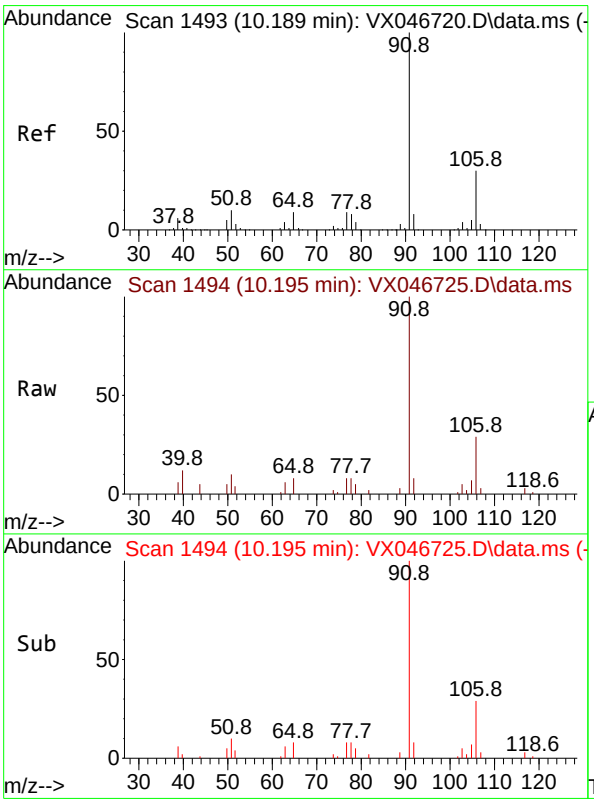
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 89.0 | 47.3 | 141.8 |
| 119 | 0.0 | 32.1 | 96.3# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

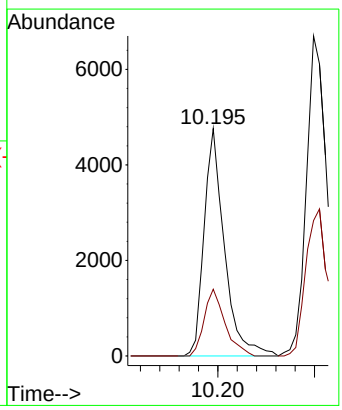
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

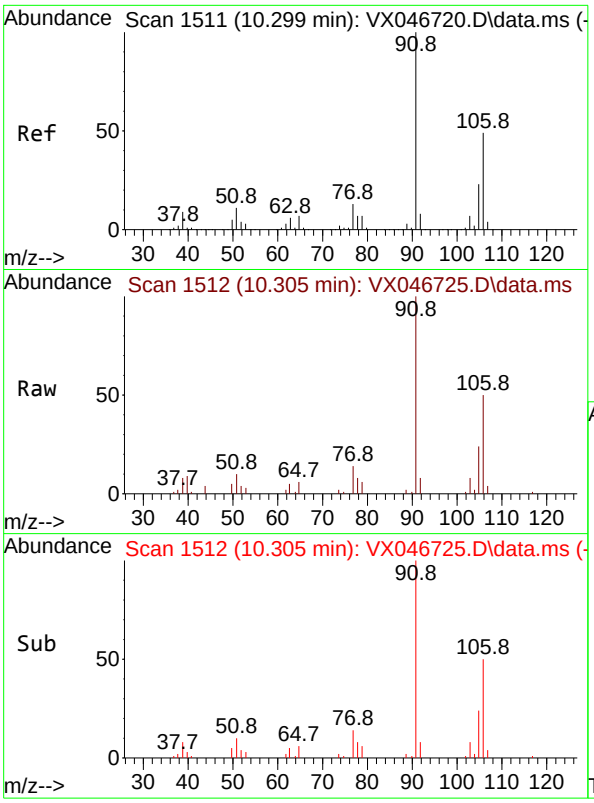



#67
Ethyl Benzene
Concen: 0.880 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 6967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 24.2 | 36.2 |

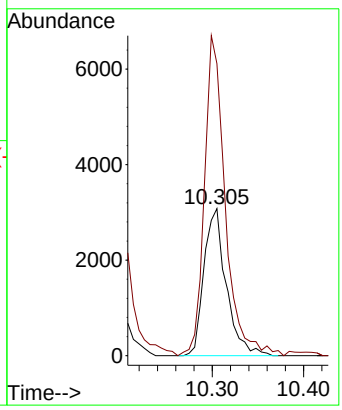





#68
m/p-Xylenes
Concen: 1.767 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:106 Resp: 521

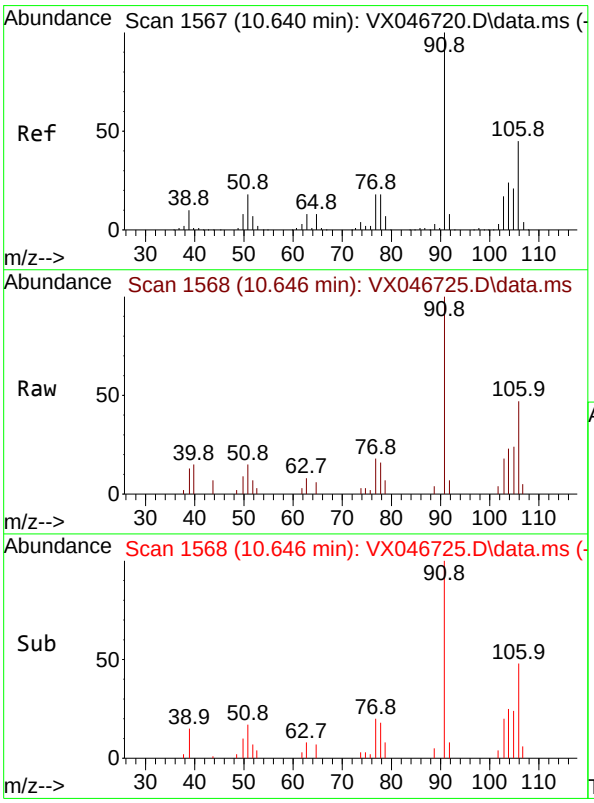
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.7 | 164.8 | 247.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

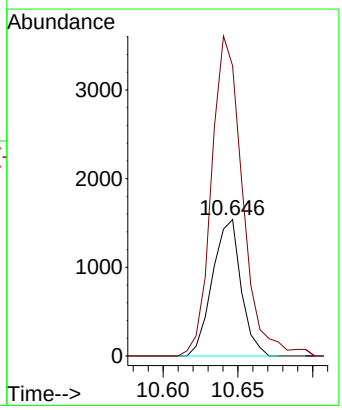
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

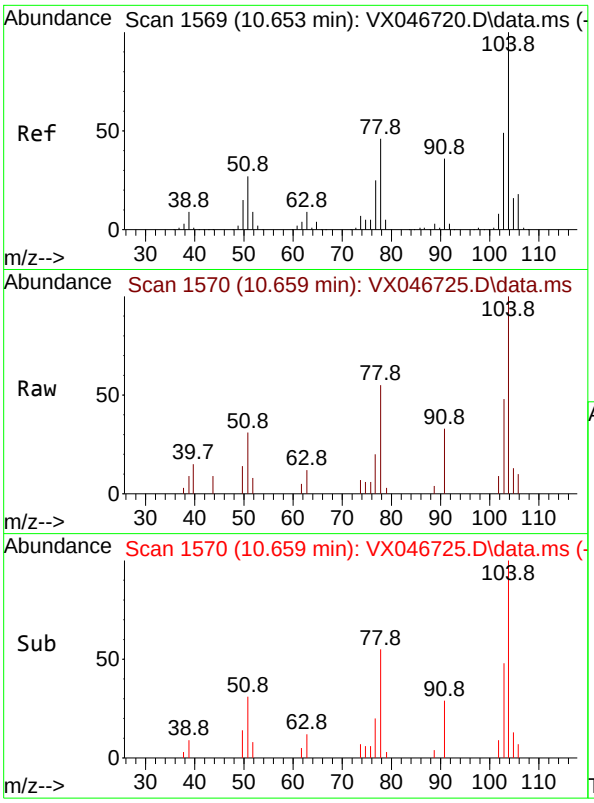



#69
o-Xylene
Concen: 0.739 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:106 Resp: 2045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 255.0 | 111.3 | 333.9 |

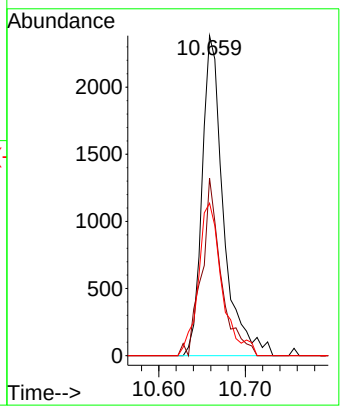





#70
Styrene
Concen: 0.842 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:104 Resp: 407

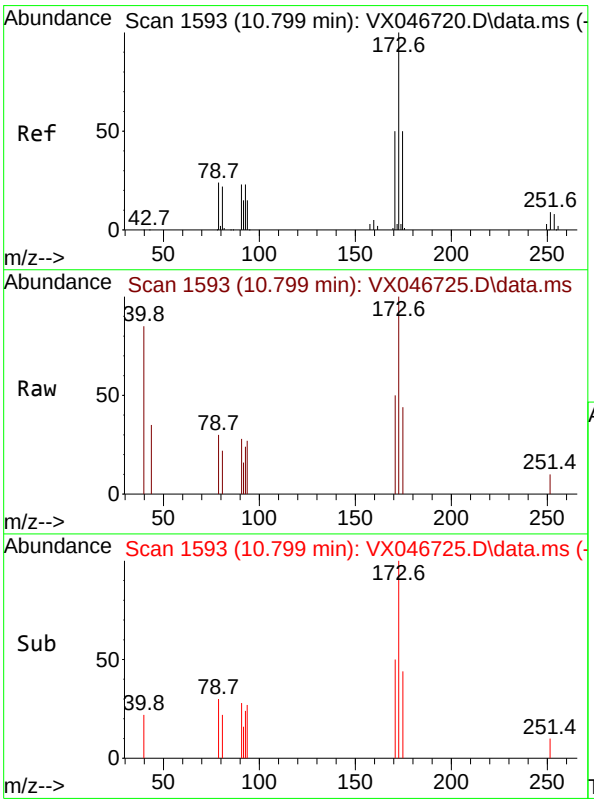
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.7 | 41.4 | 62.2 |
| 103 | 52.8 | 43.1 | 64.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

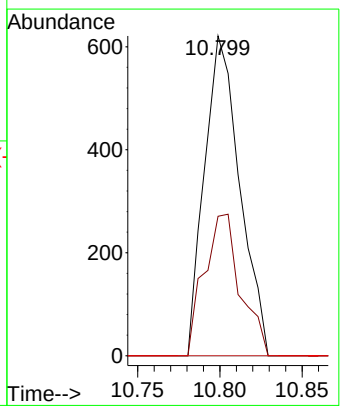
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

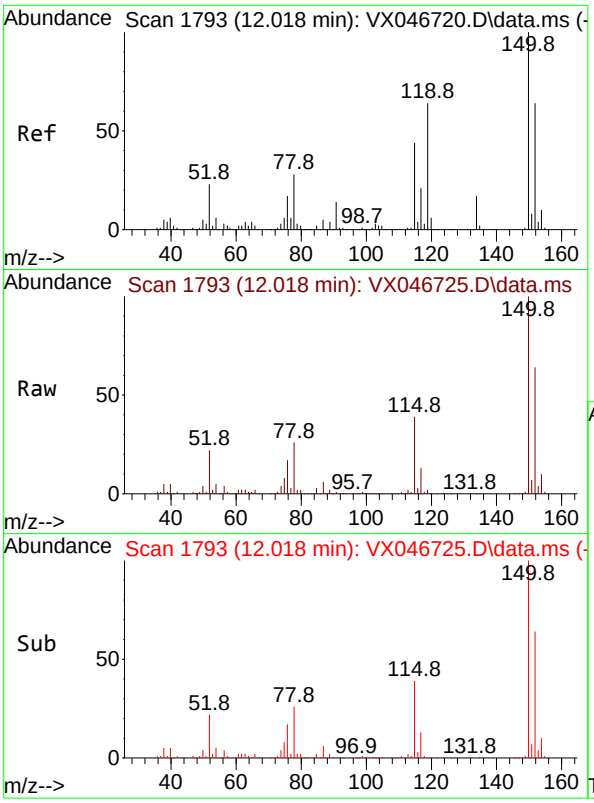



#71
Bromoform
Concen: 0.799 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:173 Resp: 927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.4 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

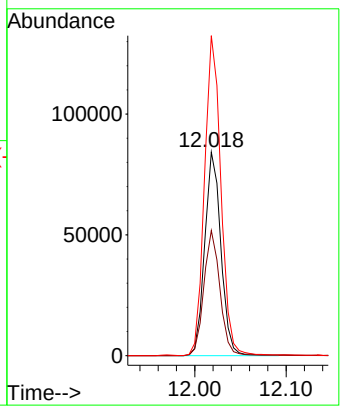





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:152 Resp: 10359

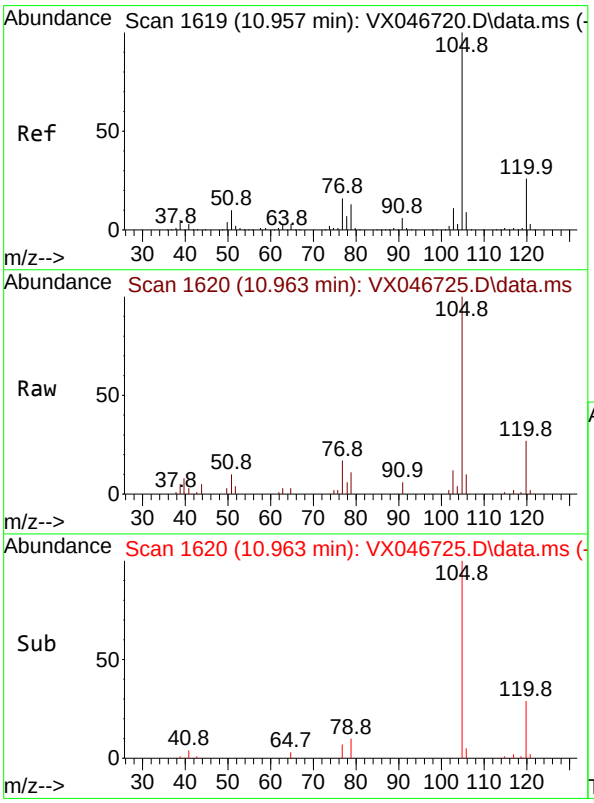
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.3 | 43.2 | 129.6 |
| 150 | 159.2 | 0.0 | 346.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

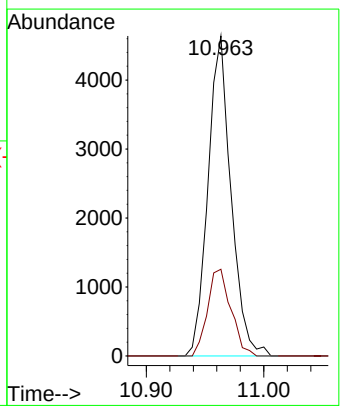
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

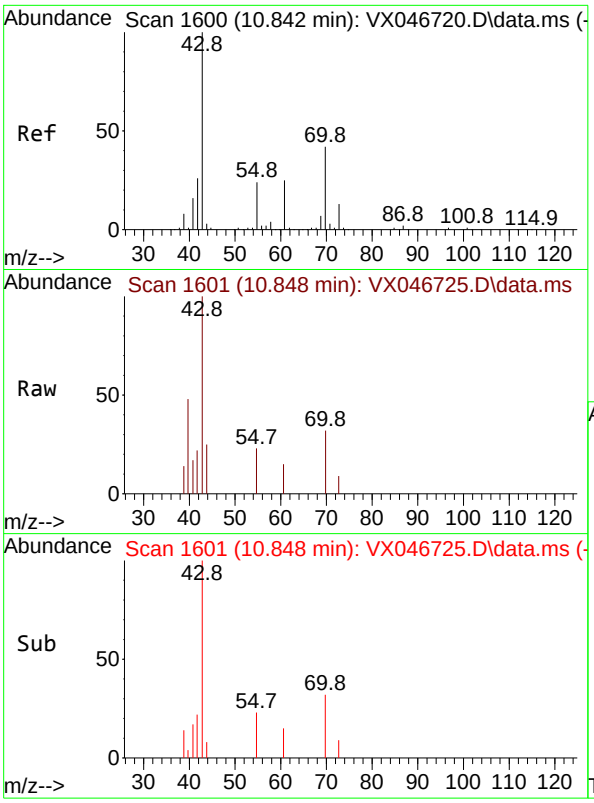



#73
Isopropylbenzene
Concen: 0.828 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:105 Resp: 6314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.6 | 13.0 | 39.0 |

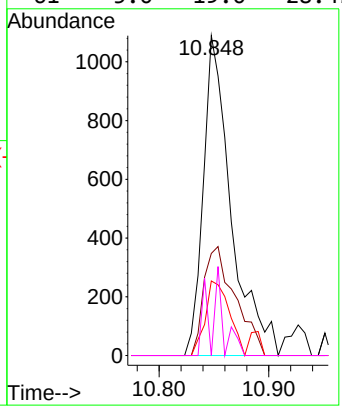





#74
N-amyl acetate
Concen: 0.665 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 192

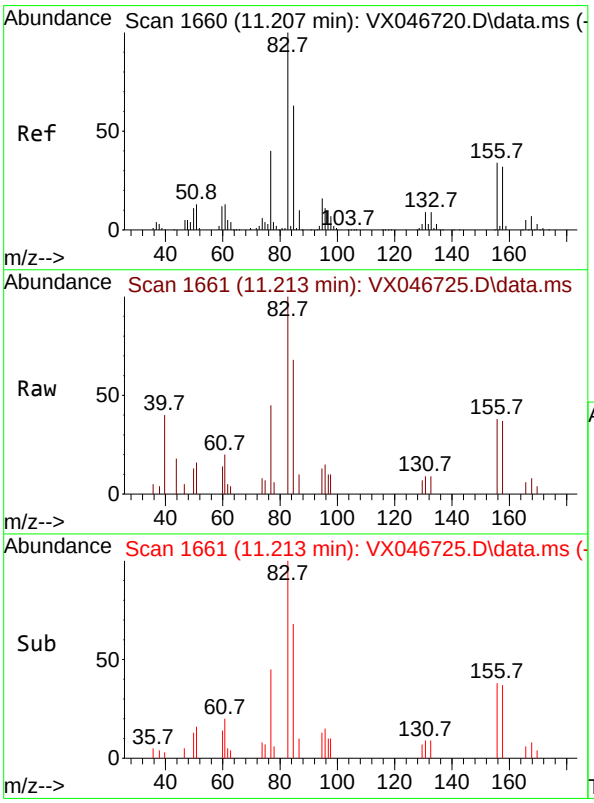
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.4 | 33.4 | 50.0 |
| 55 | 20.1 | 19.1 | 28.7 |
| 61 | 5.0 | 19.0 | 28.4# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

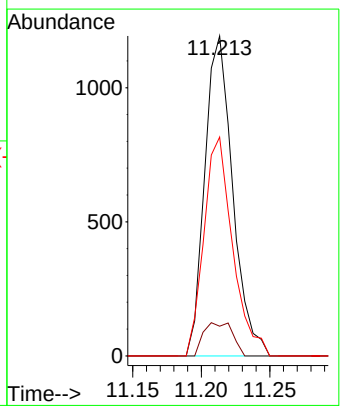
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

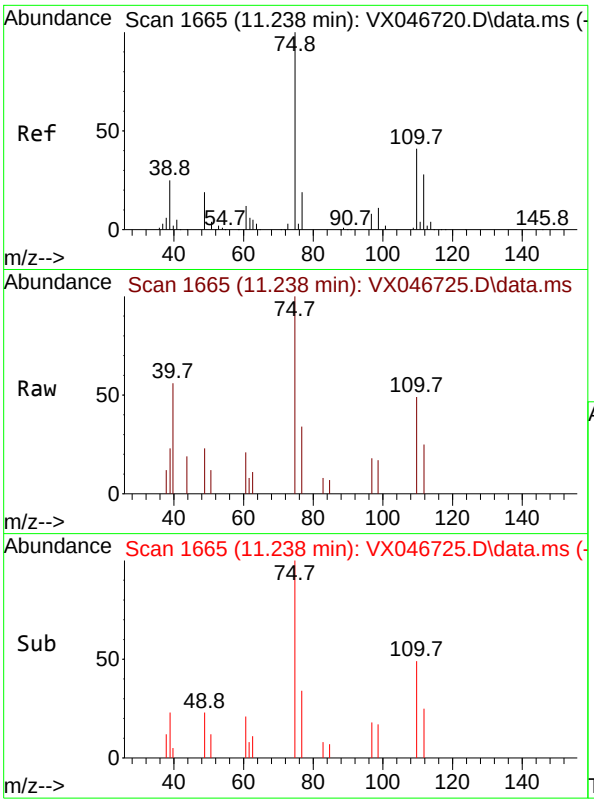



#75
1,1,2,2-Tetrachloroethane
Concen: 0.793 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 83 Resp: 1690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.9 | 14.6 |
| 85 | 70.3 | 32.0 | 96.0 |

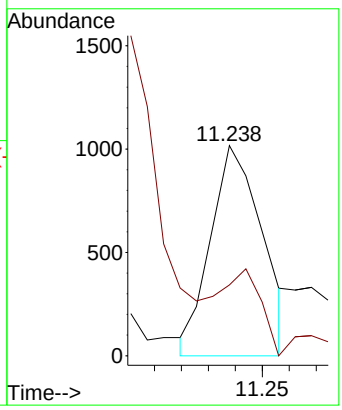





#76
1,2,3-Trichloropropane
Concen: 0.640 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 134

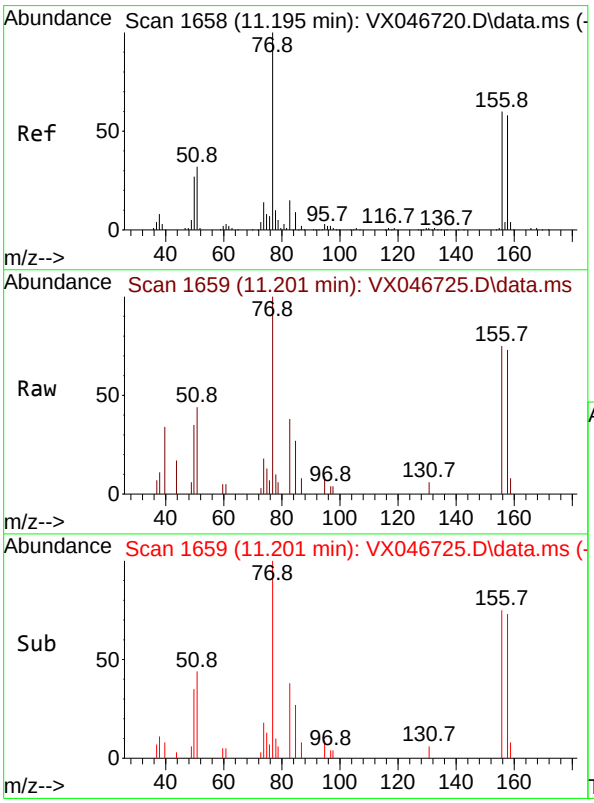
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 18.5 | 55.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

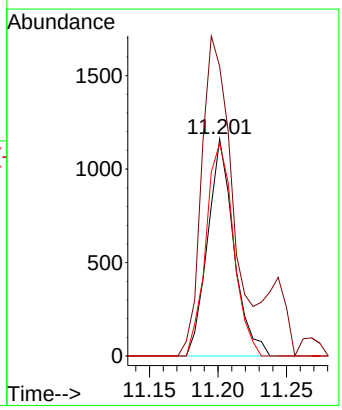
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

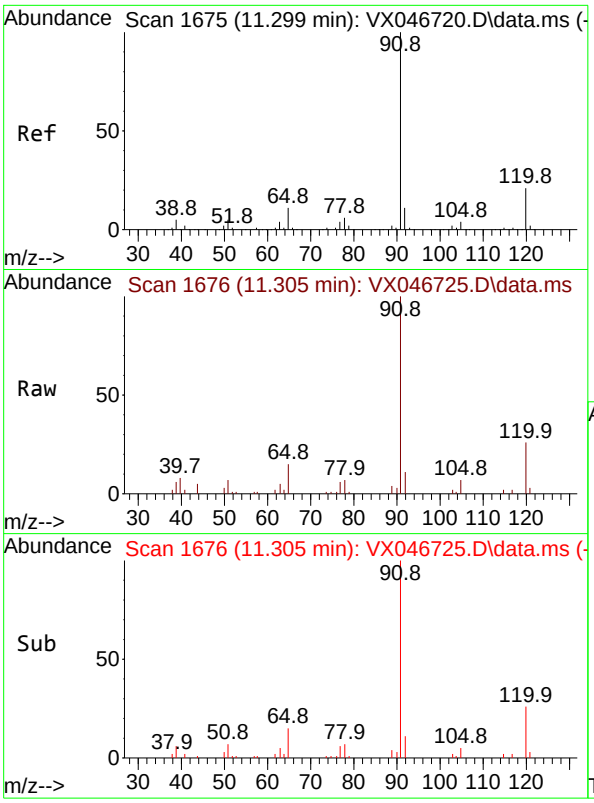



#77
Bromobenzene
Concen: 0.839 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:156 Resp: 1541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.3 | 82.8 | 248.6 |
| 158 | 103.2 | 47.6 | 142.9 |

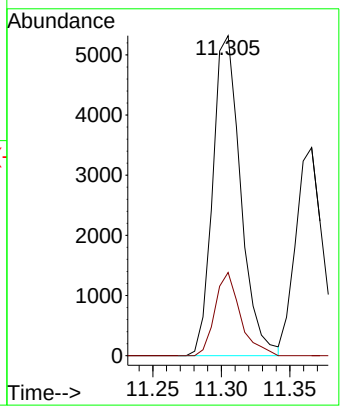





#78
n-propylbenzene
Concen: 0.833 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 754

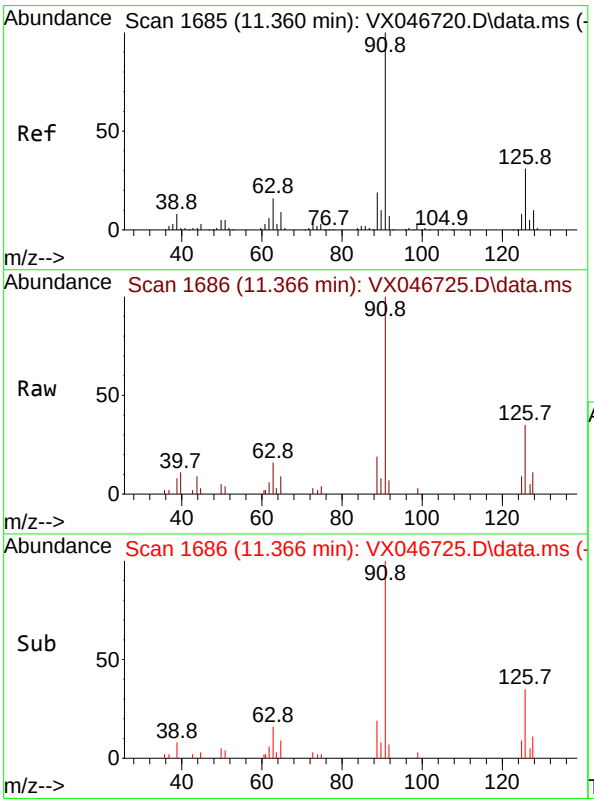
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.4 | 34.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

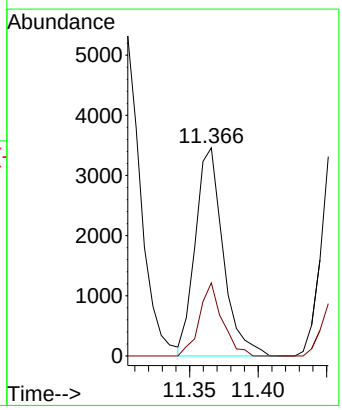
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

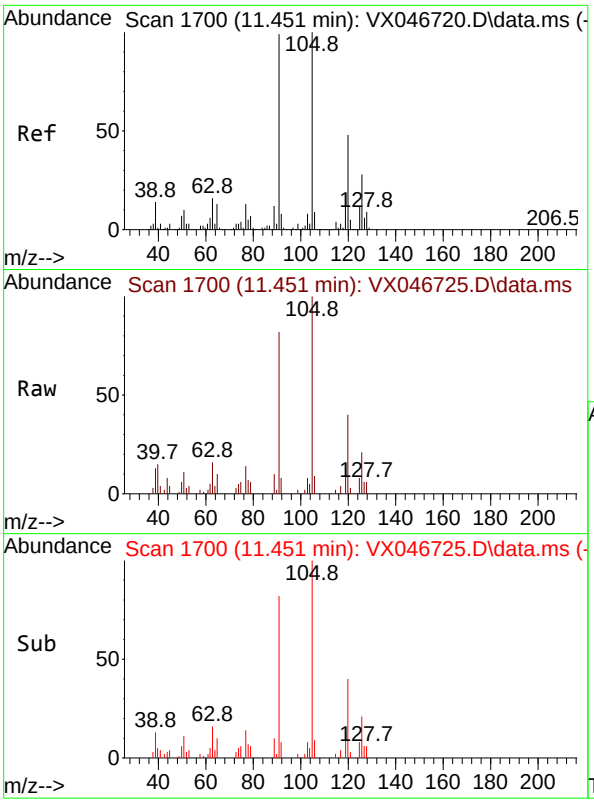



#79
2-Chlorotoluene
Concen: 0.905 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 4896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 16.6 | 49.7 |






#80
1,3,5-Trimethylbenzene
Concen: 0.825 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

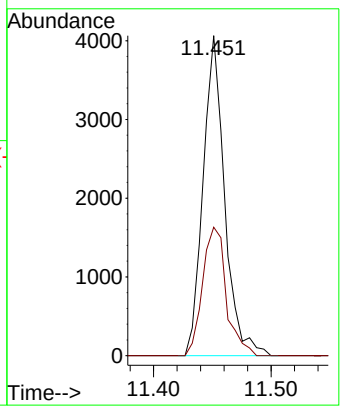
Tgt Ion:105 Resp: 517

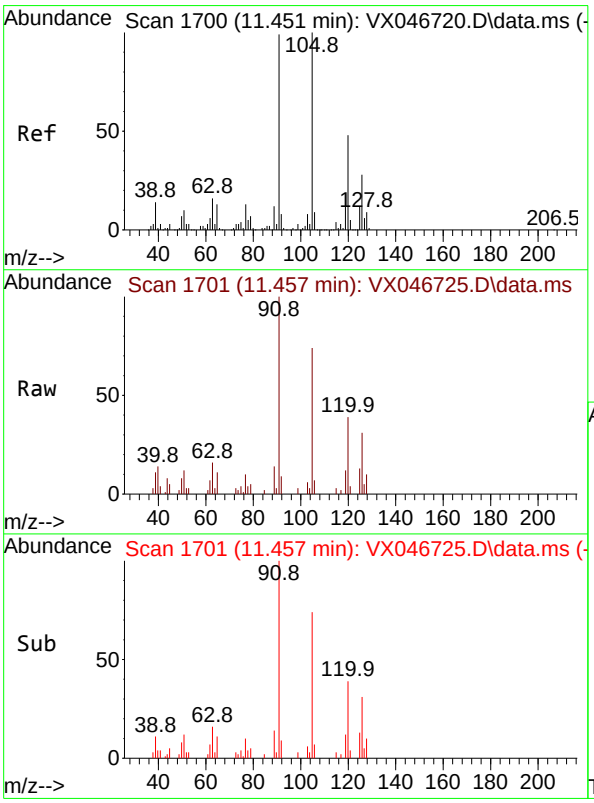
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 24.1 | 72.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

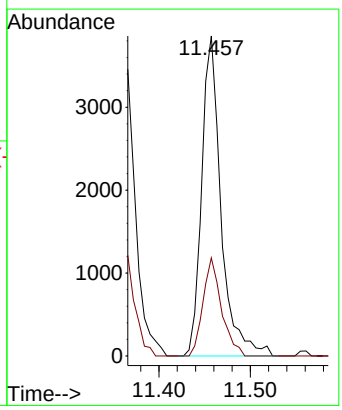


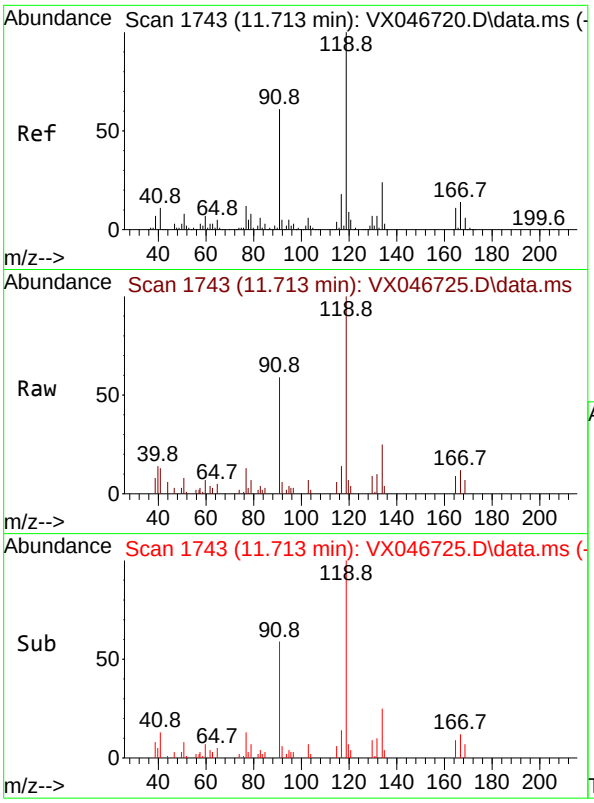




#82
4-Chlorotoluene
Concen: 0.897 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 5664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.4 | 43.2 |

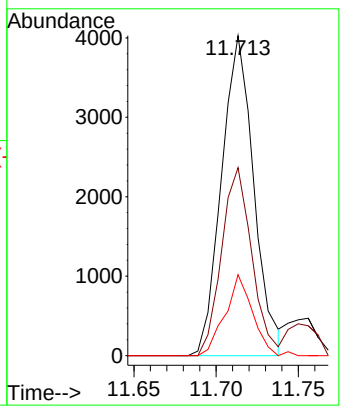





#83
tert-Butylbenzene
Concen: 0.850 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:119 Resp: 550

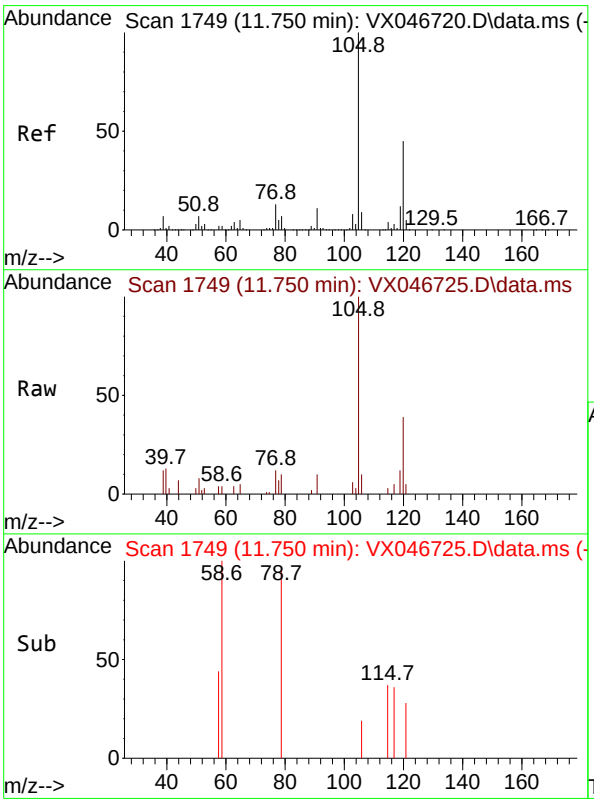
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 55.1 | 29.5 | 88.6 |
| 134 | 21.6 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

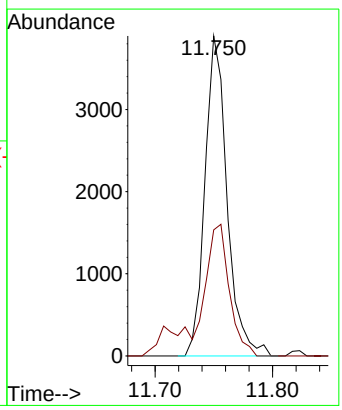
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

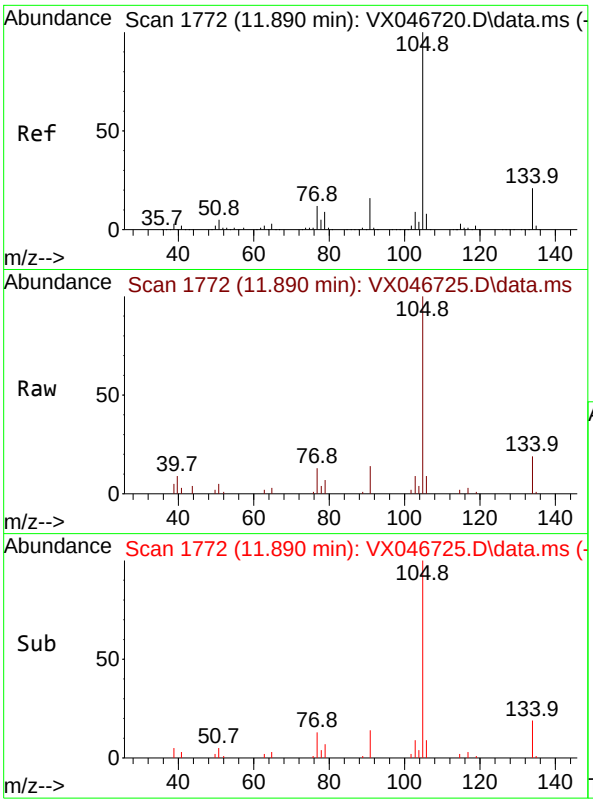



#84
1,2,4-Trimethylbenzene
Concen: 0.808 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:105 Resp: 5087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.1 | 66.3 |






#85
sec-Butylbenzene
Concen: 0.835 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

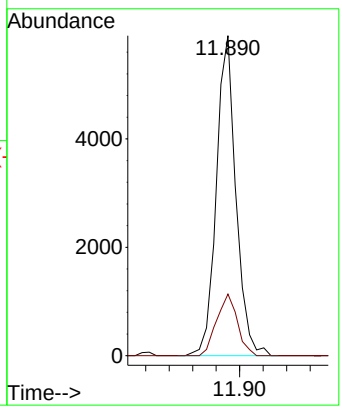
Tgt Ion:105 Resp: 683

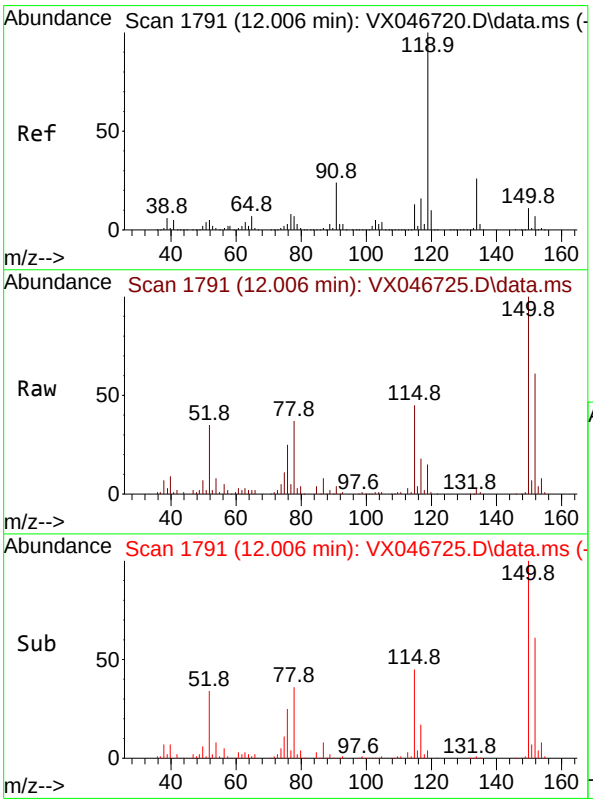
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

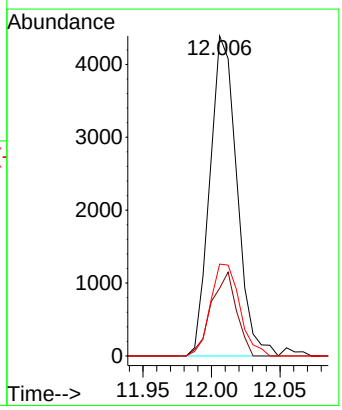


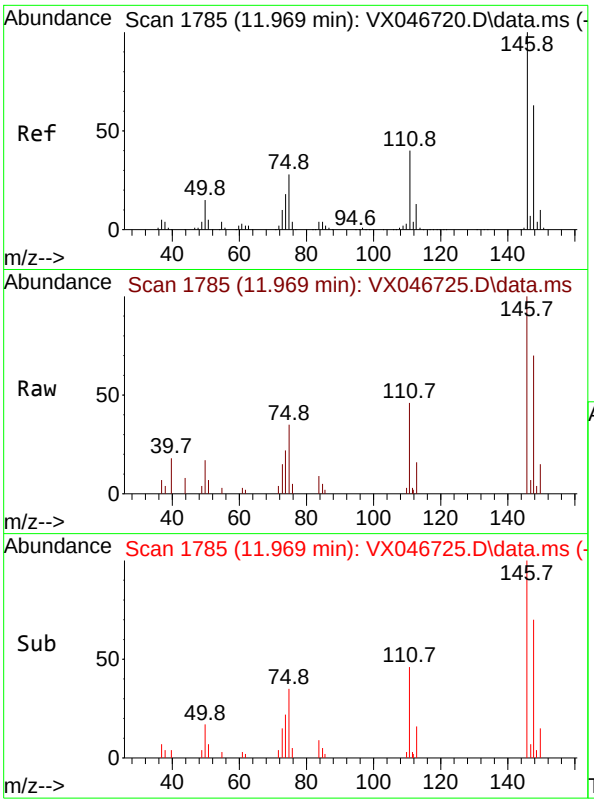




#86
p-Isopropyltoluene
Concen: 0.871 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:119 Resp: 6018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.5 | 12.9 | 38.7 |
| 91 | 31.1 | 12.3 | 36.9 |

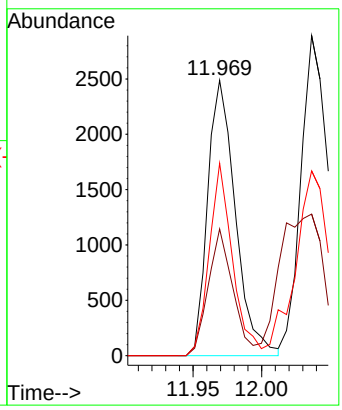





#87
1,3-Dichlorobenzene
Concen: 0.980 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:146 Resp: 350

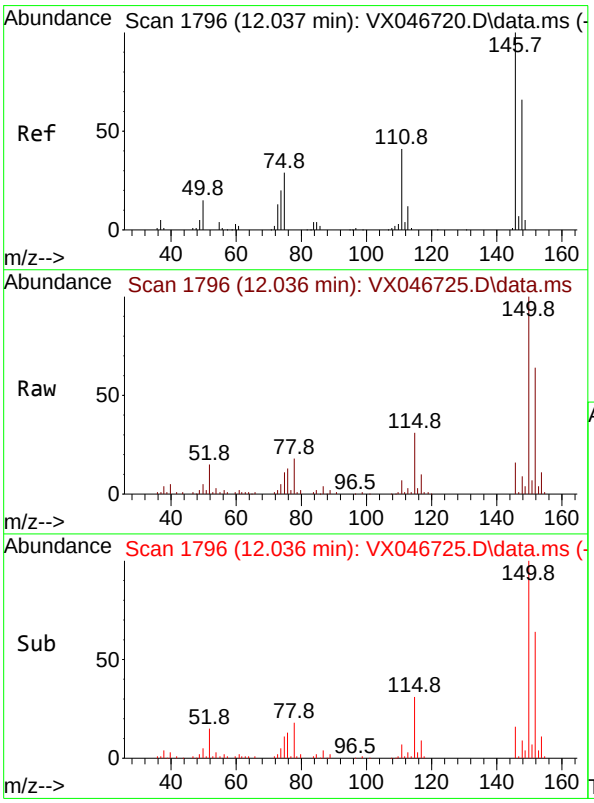
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 58.8 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

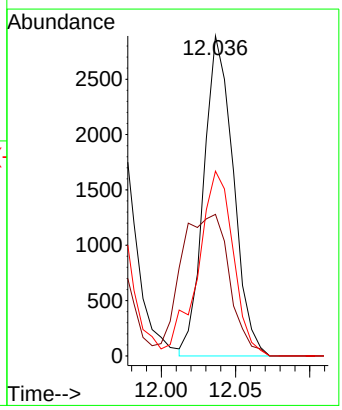
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

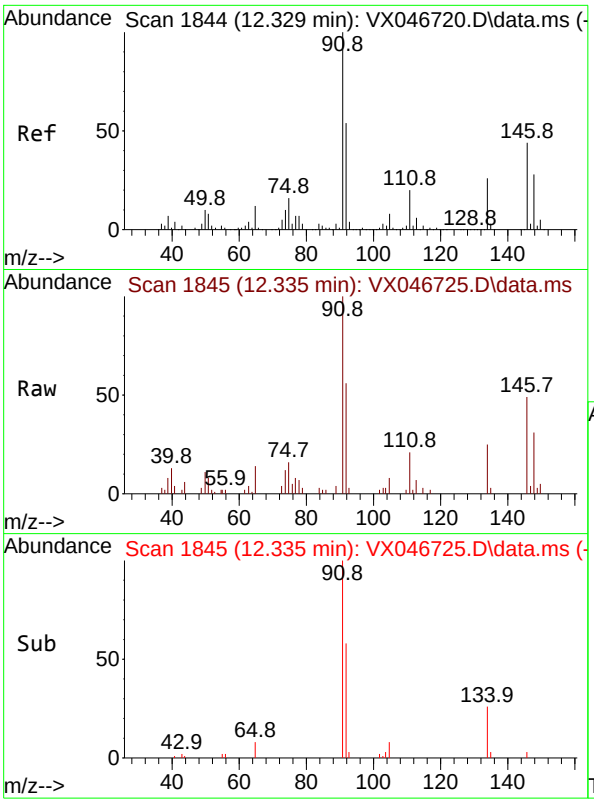



#88
1,4-Dichlorobenzene
Concen: 1.089 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:146 Resp: 4003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.8 | 20.3 | 61.0 |
| 148 | 51.6 | 32.1 | 96.5 |

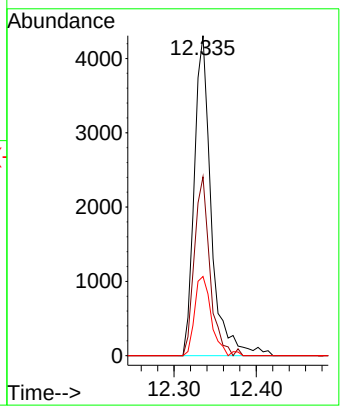





#89
n-Butylbenzene
Concen: 0.943 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 618

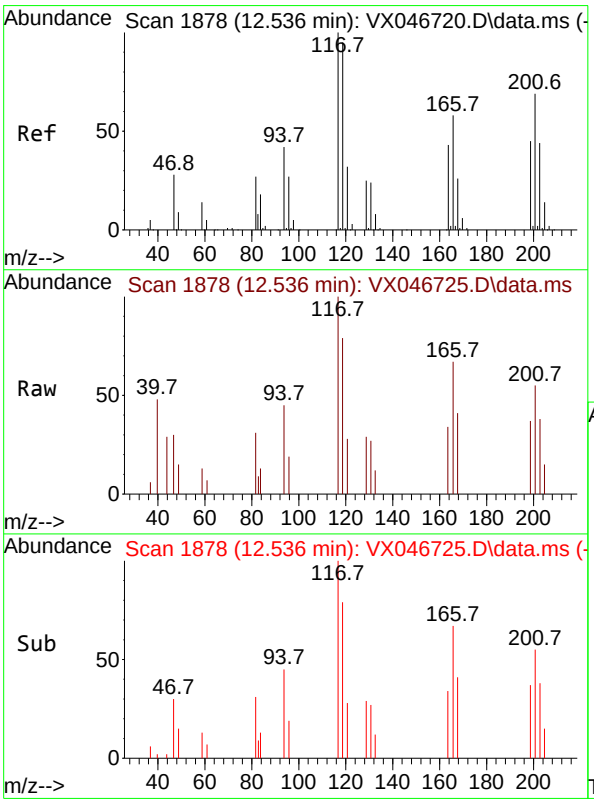
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.3 | 27.1 | 81.3 |
| 134 | 24.5 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

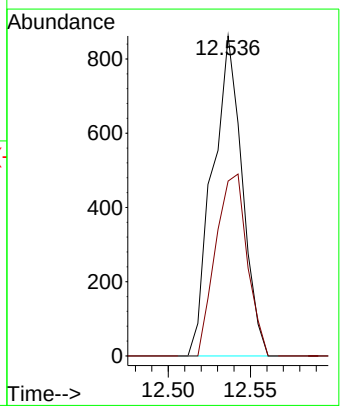
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

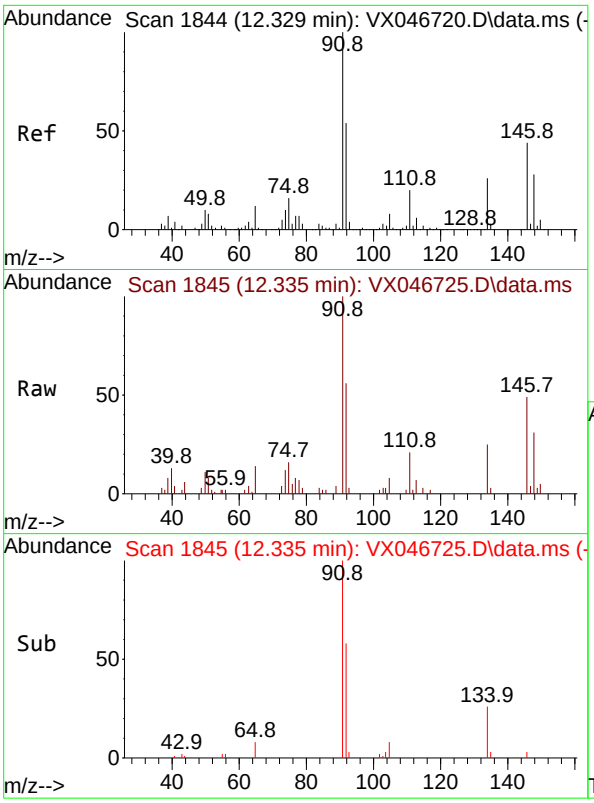



#90
Hexachloroethane
Concen: 0.893 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:117 Resp: 1081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.5 | 34.4 | 103.3 |

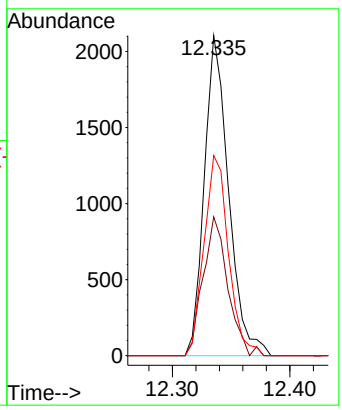





#91
1,2-Dichlorobenzene
Concen: 0.904 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:146 Resp: 302

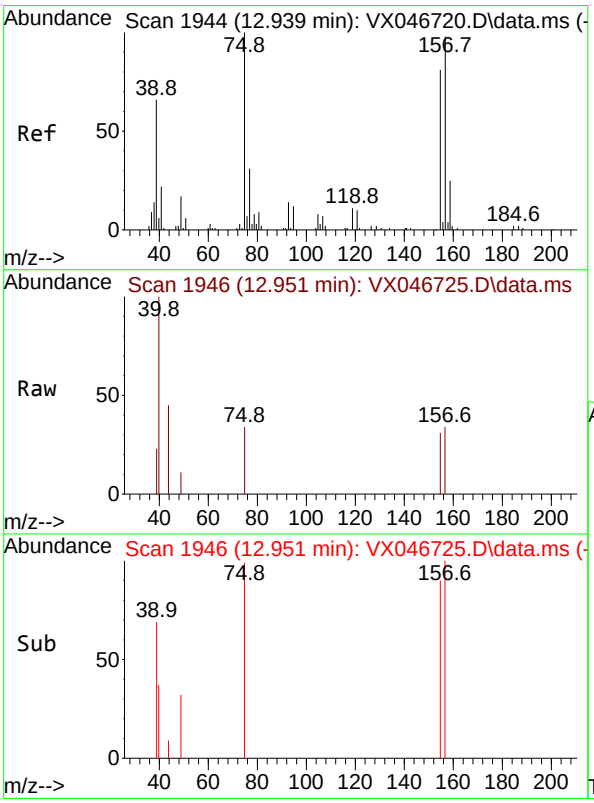
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.7 | 65.1 |
| 148 | 63.1 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

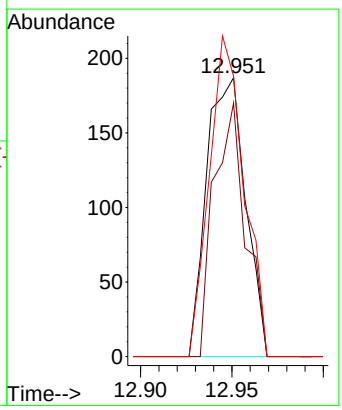
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

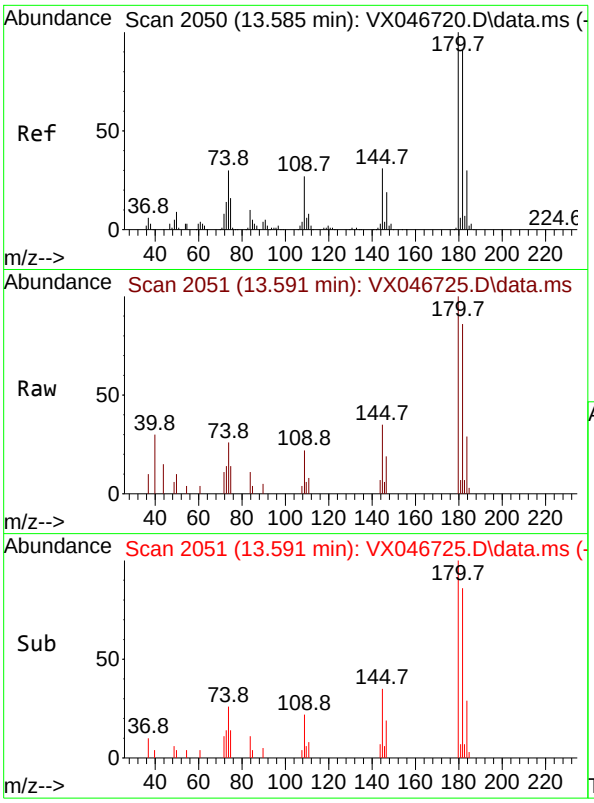



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.659 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 73.6 | 41.9 | 125.7 |
| 157 | 102.5 | 51.4 | 154.3 |

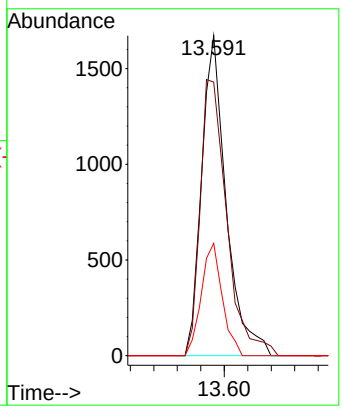





#93
1,2,4-Trichlorobenzene
Concen: 1.019 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:180 Resp: 242

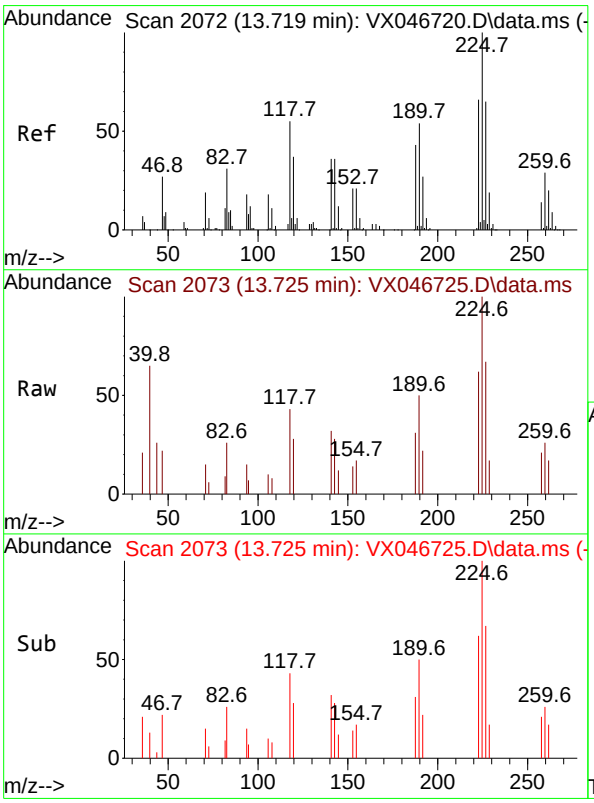
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.7 | 140.1 |
| 145 | 30.0 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

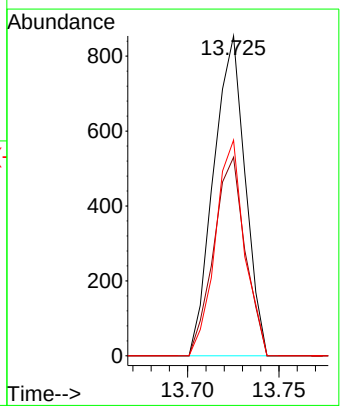
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

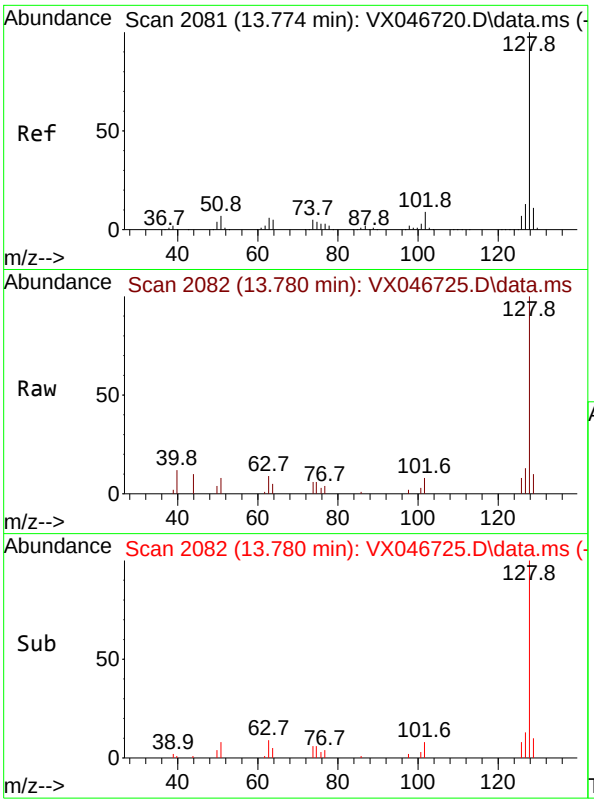



#94
Hexachlorobutadiene
Concen: 1.025 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:225 Resp: 1025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 32.5 | 97.5 |
| 227 | 62.4 | 32.2 | 96.6 |

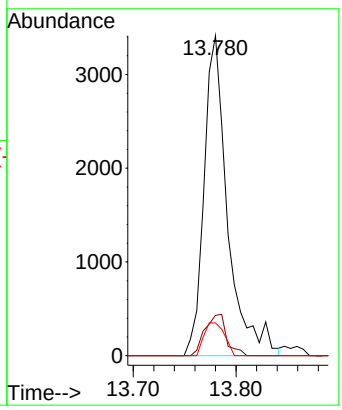





#95
Naphthalene
Concen: 0.806 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:128 Resp: 546

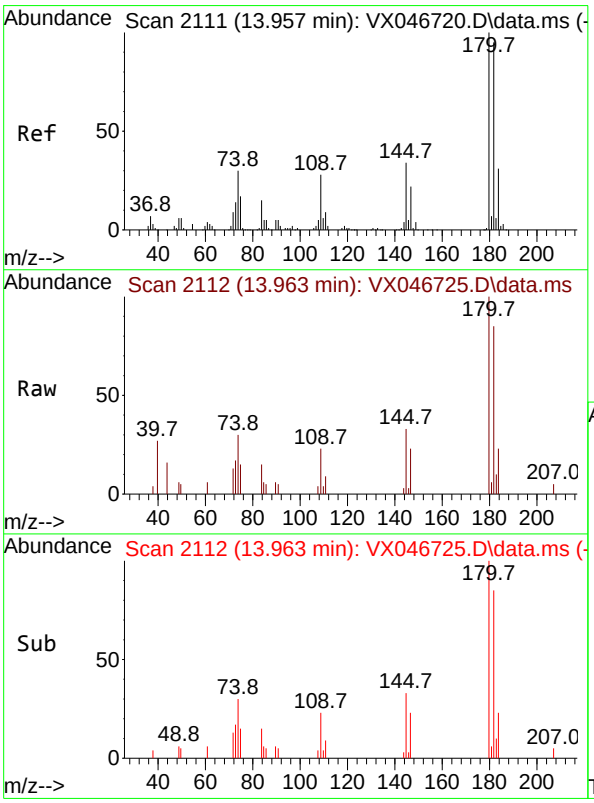
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.8 | 10.1 | 15.1 |
| 129 | 8.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

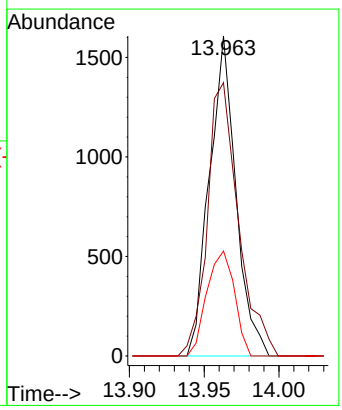
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 0.871 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:180 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.9 | 47.8 | 143.4 |
| 145 | 34.1 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 129144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 209541 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 184761 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 91992 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 81629 | 45.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.400% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 66647 | 48.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.140% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 236781 | 47.537 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.080% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 88588 | 47.712 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.420% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 75554 | 54.798 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 76483 | 51.393 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 82156 | 51.768 | ug/l | 95 |
| 5) Bromomethane | 1.618 | 94 | 48957 | 54.831 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 49931 | 51.911 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 123768 | 51.363 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 42437 | 51.316 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 75525 | 51.089 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 84139 | 45.861 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 40385 | 251.888 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 74097 | 51.945 | ug/l | 99 |
| 13) Acrolein | 2.246 | 56 | 59544 | 254.972 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 131610 | 50.922 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 187601 | 260.219 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 146745 | 246.347 | ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 205516 | 47.710 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 80049 | 52.909 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 226557 | 51.008 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 80668 | 48.696 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 76889 | 50.375 | ug/l | 98 |
| 22) Diisopropyl ether | 3.770 | 45 | 257775 | 51.890 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1044679 | 264.451 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 142442 | 50.502 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 222870 | 264.542 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 104151 | 50.629 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 89665 | 50.003 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 64330 | 50.308 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 143570 | 263.836 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 144108 | 51.089 | ug/l | 98 |
| 31) Cyclohexane | 5.483 | 56 | 132301 | 49.462 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 123796 | 50.042 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 100241 | 50.088 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 94953 | 51.401 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 109471 | 50.403 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 132086 | 50.155 | ug/l | 97 |
| 40) Benzene | 6.044 | 78 | 304346 | 51.385 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 54501 | 55.341 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.099 | 62 | 106085 | 50.970 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 155773 | 53.888 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 76981 | 51.000 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 74773 | 50.940 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 54149 | 51.329 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 110823 | 51.479 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 79868 | 55.091 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 20314 | 964.253 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 470527 | 272.916 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 188131 | 51.237 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105435 | 52.785 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 117487 | 51.813 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 70739 | 51.698 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109612 | 54.266 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 121649 | 51.625 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 293709 | 279.922 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 326564 | 273.982 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 82234 | 50.997 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 72749 | 52.268 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 62943 | 49.172 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 203947 | 50.006 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 69709 | 50.856 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 359779 | 50.487 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 272935 | 102.789 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 130980 | 52.635 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 227060 | 52.139 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 53660 | 51.404 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 346098 | 51.083 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 138890 | 54.107 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 98960 | 52.310 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 81355m | 48.286 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 82515 | 50.611 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 412345 | 51.240 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 239904 | 49.931 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 288104 | 51.746 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29929 | 50.210 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 280848 | 50.085 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 287513 | 49.958 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 286365 | 51.193 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 371523 | 51.079 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 311698 | 50.791 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 154181 | 48.501 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 153158 | 46.906 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 296174 | 50.829 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 52831 | 49.161 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 147561 | 49.672 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 19851 | 53.151 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104267 | 49.369 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45958 | 51.729 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 315669 | 52.462 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 103451 | 51.200 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

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

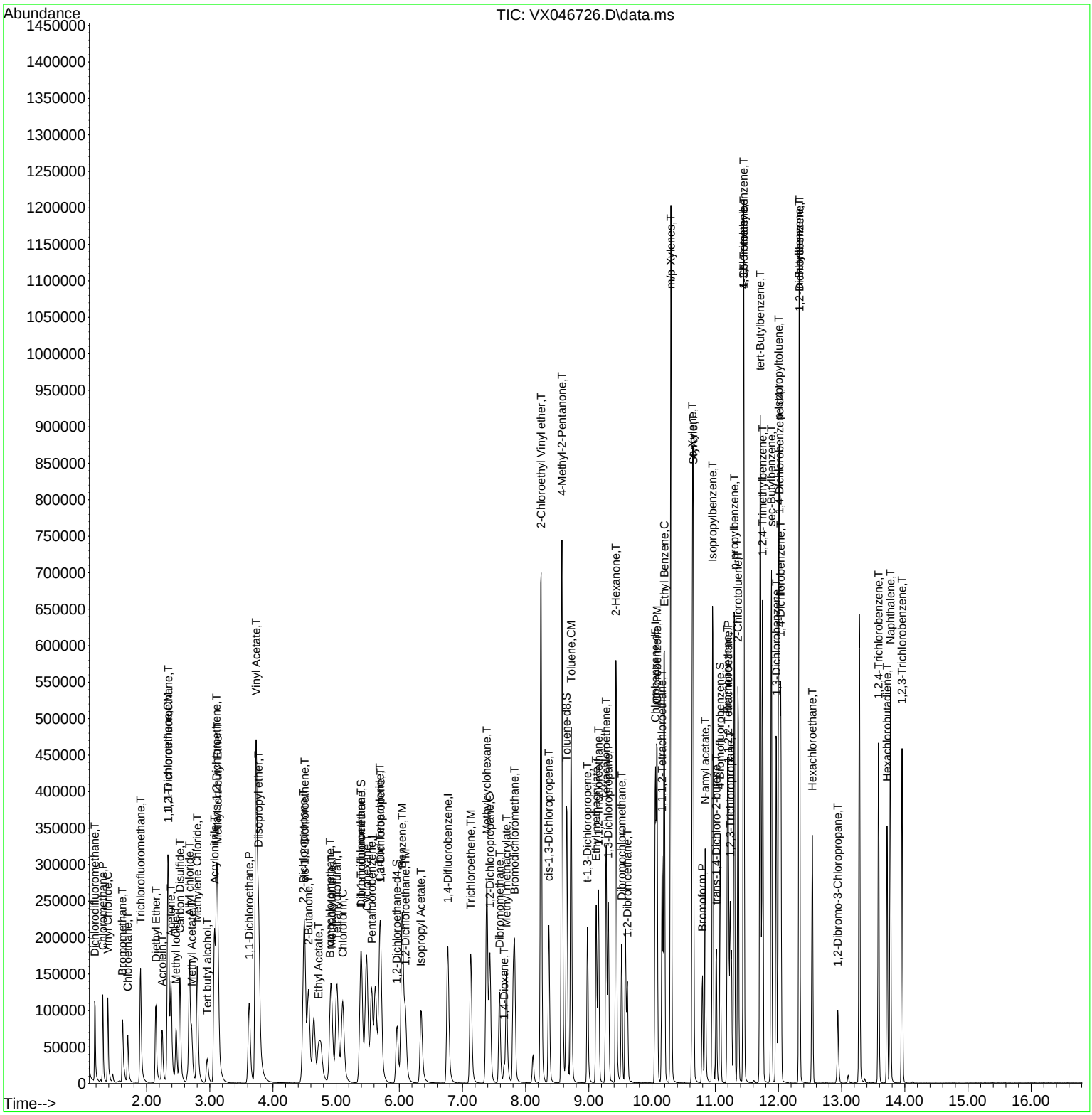
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Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

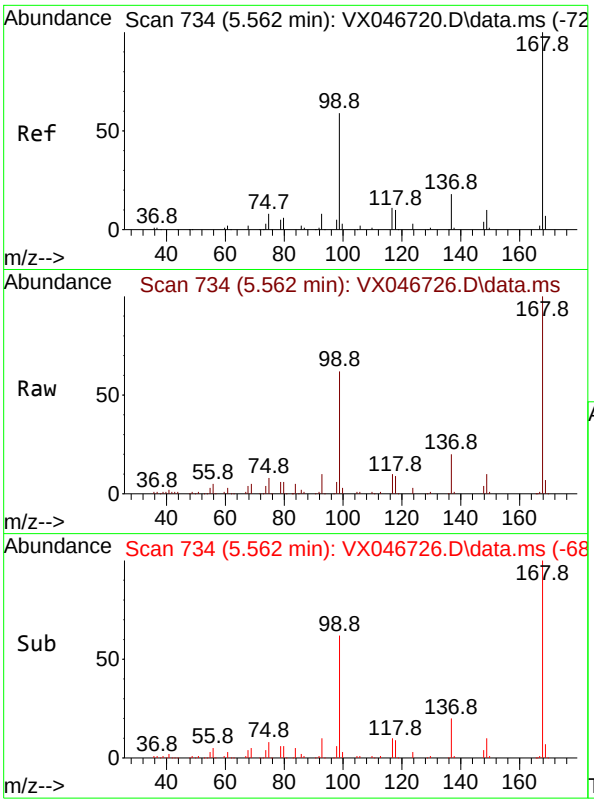
Quant Time: Jun 18 07:50:18 2025
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Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

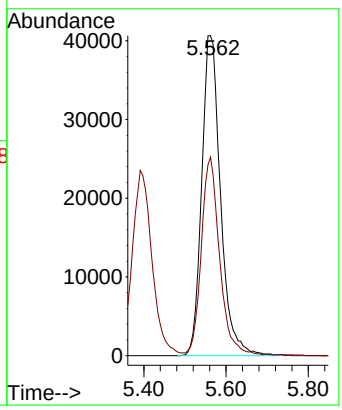





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:168 Resp: 12914

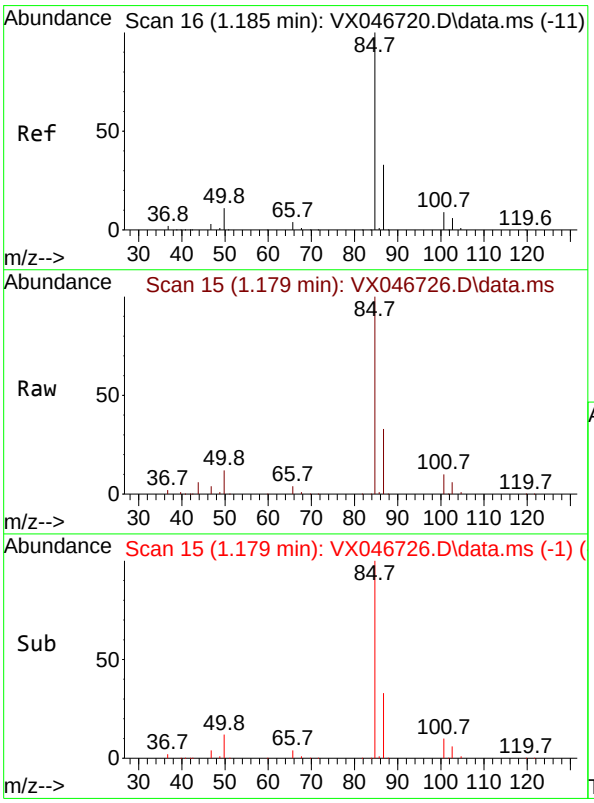
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.8 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

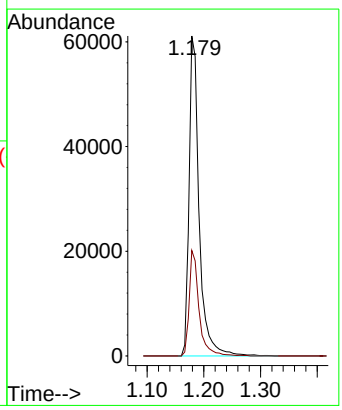
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

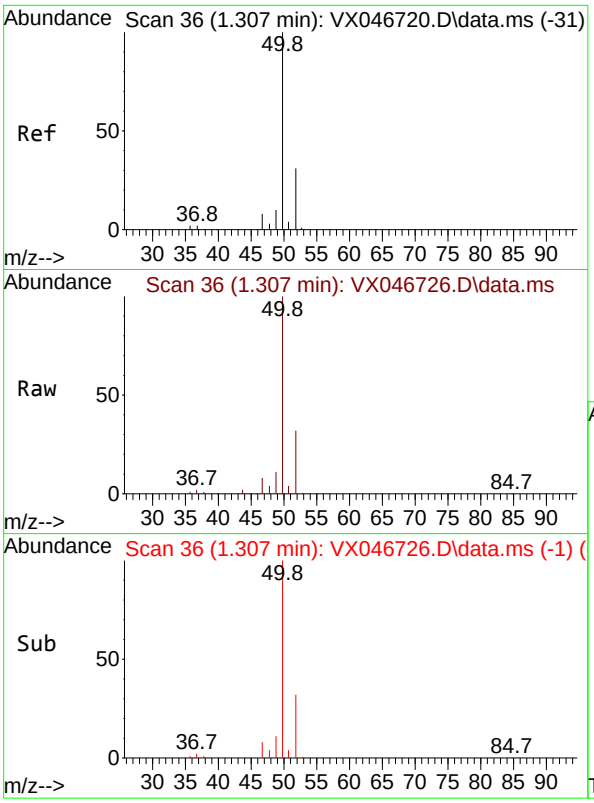



#2
Dichlorodifluoromethane
Concen: 54.798 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 85 Resp: 75554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 16.6 | 49.8 |

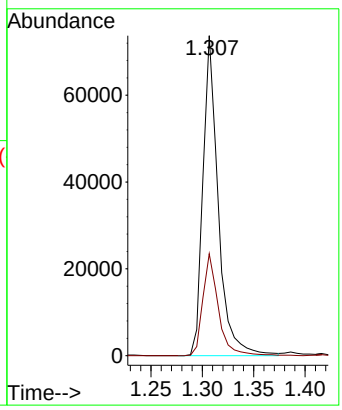





#3
Chloromethane
Concen: 51.393 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 50 Resp: 7648

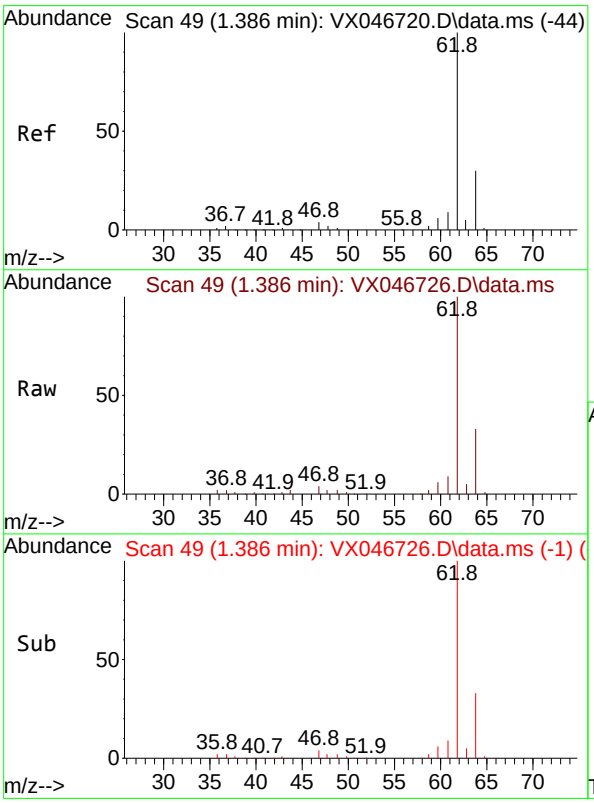
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

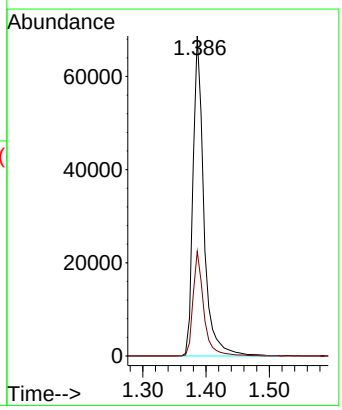
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

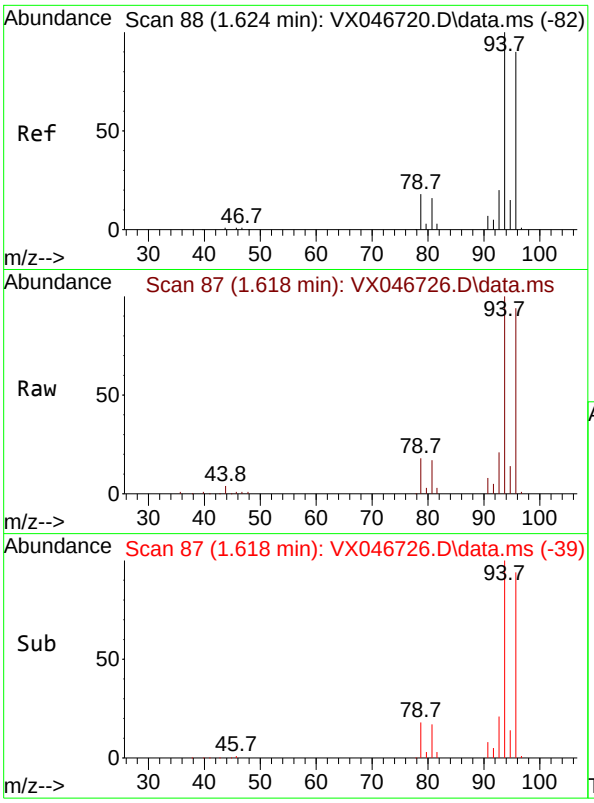



#4
Vinyl Chloride
Concen: 51.768 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 62 Resp: 82156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 23.9 | 35.9 |

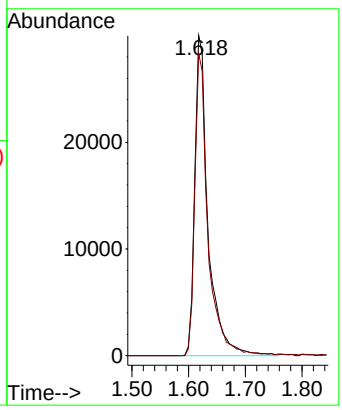





#5
Bromomethane
Concen: 54.831 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 94 Resp: 4895

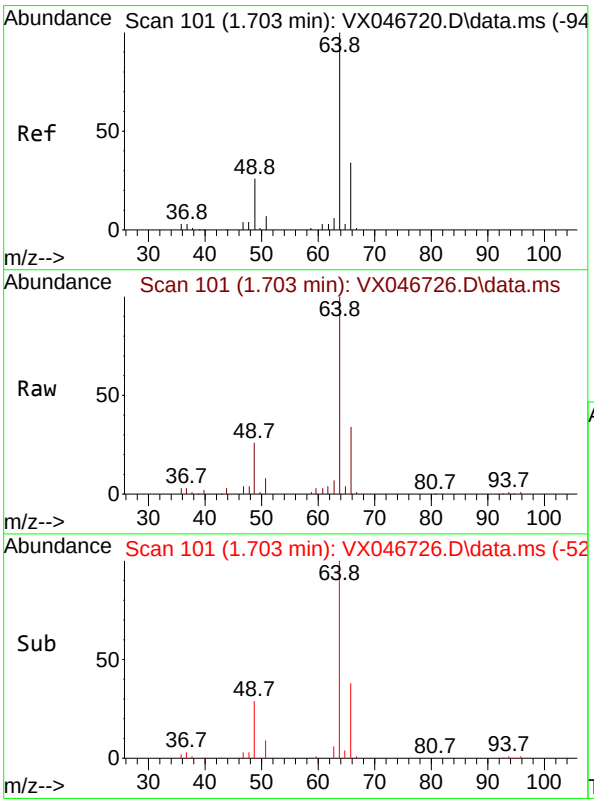
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

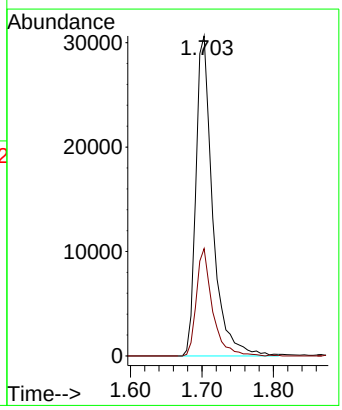
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

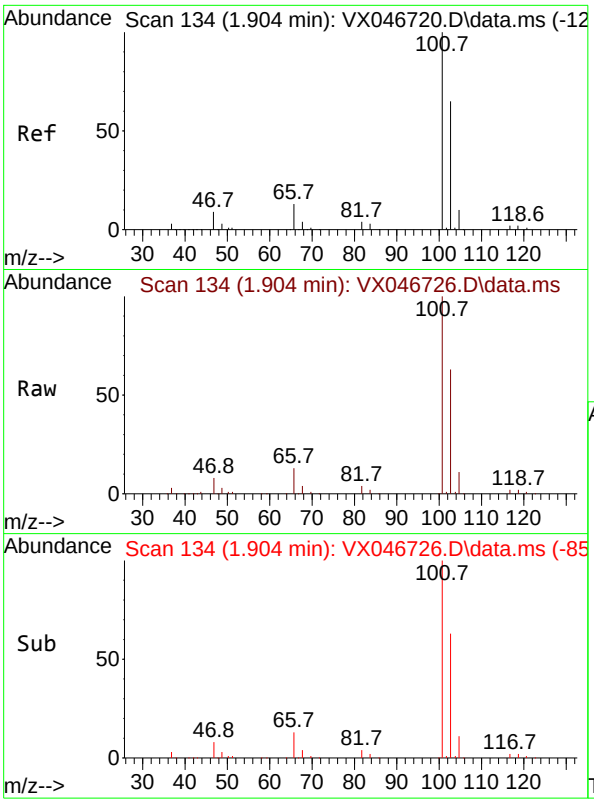



#6
Chloroethane
Concen: 51.911 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 64 Resp: 49931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 27.1 | 40.7 |

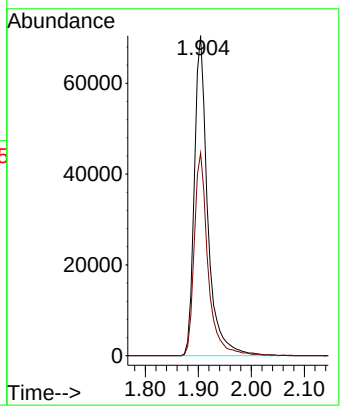





#7
Trichlorofluoromethane
Concen: 51.363 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:101 Resp: 12376

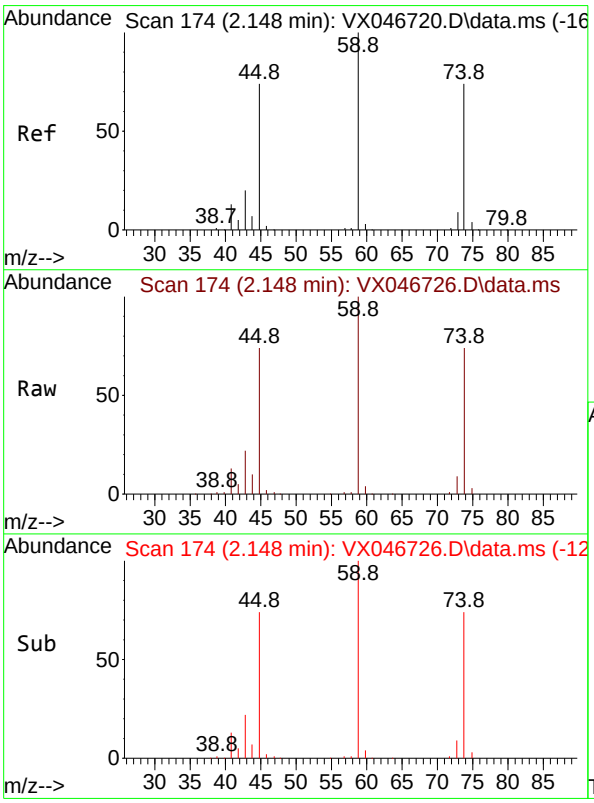
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.4 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

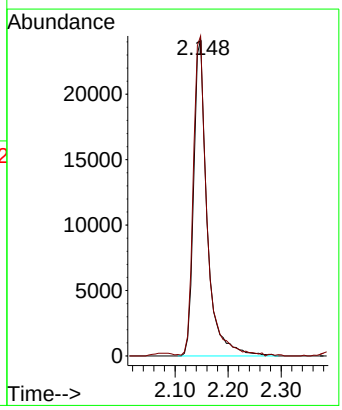
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

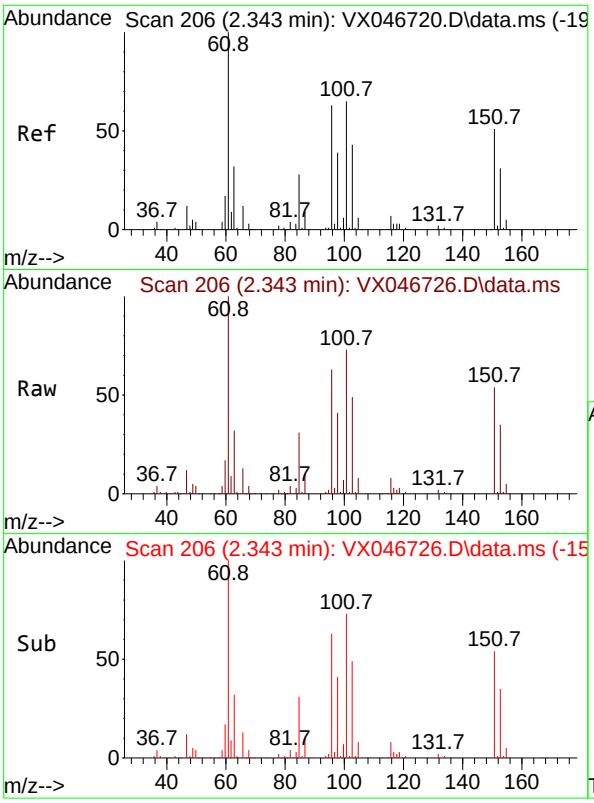



#8
Diethyl Ether
Concen: 51.316 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 74 Resp: 42437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.7 | 52.3 | 157.1 |

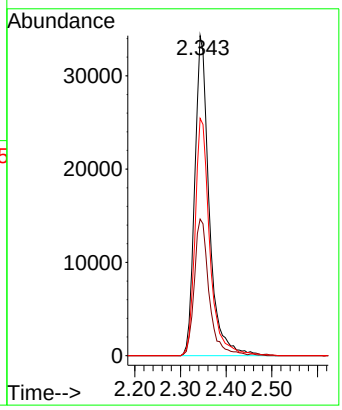





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.089 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:101 Resp: 7552

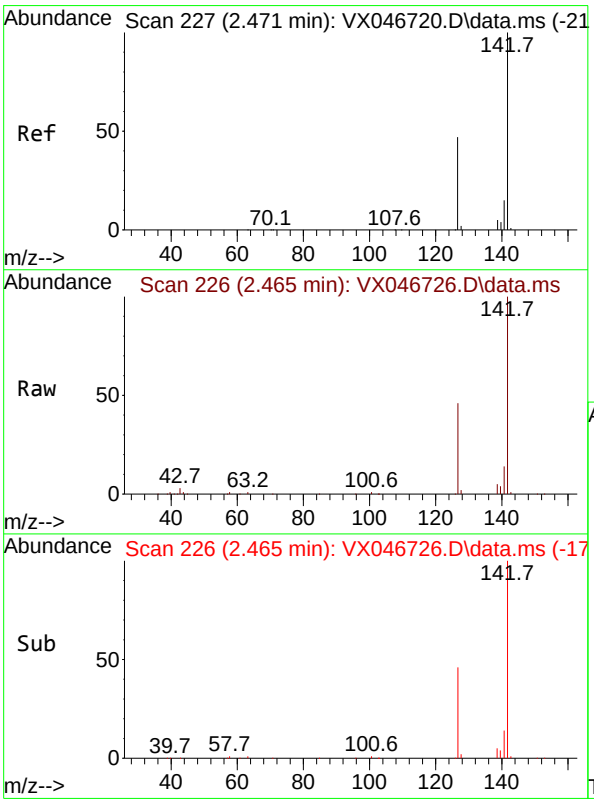
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.4 | 53.0 |
| 151 | 75.9 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

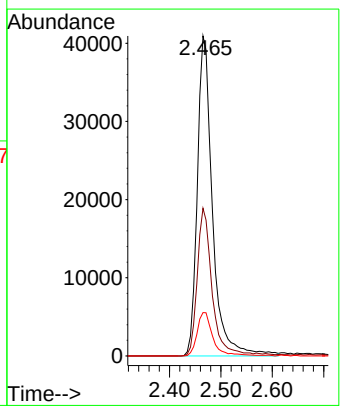
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

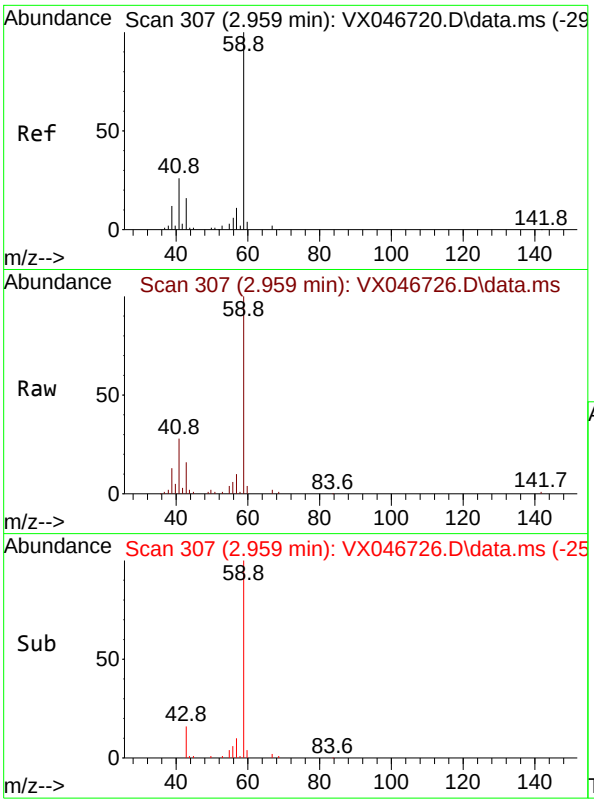



#10
Methyl Iodide
Concen: 45.861 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:142 Resp: 84139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.9 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |

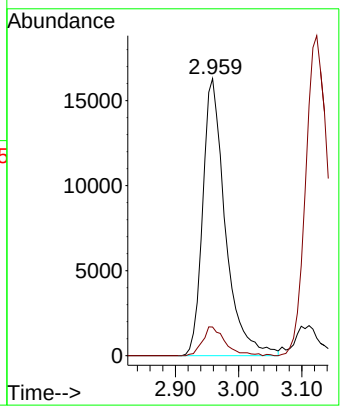





#11
Tert butyl alcohol
Concen: 251.888 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 59 Resp: 4038

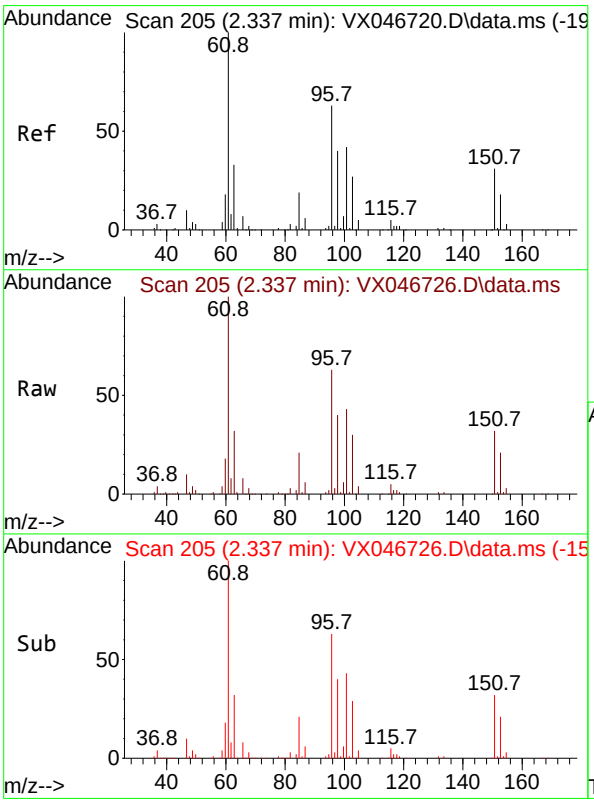
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

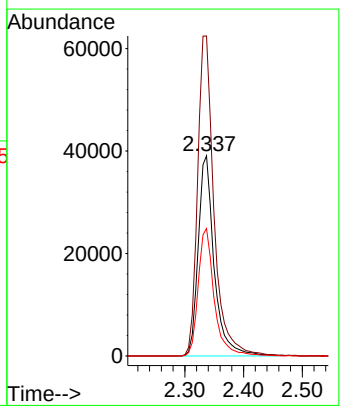
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

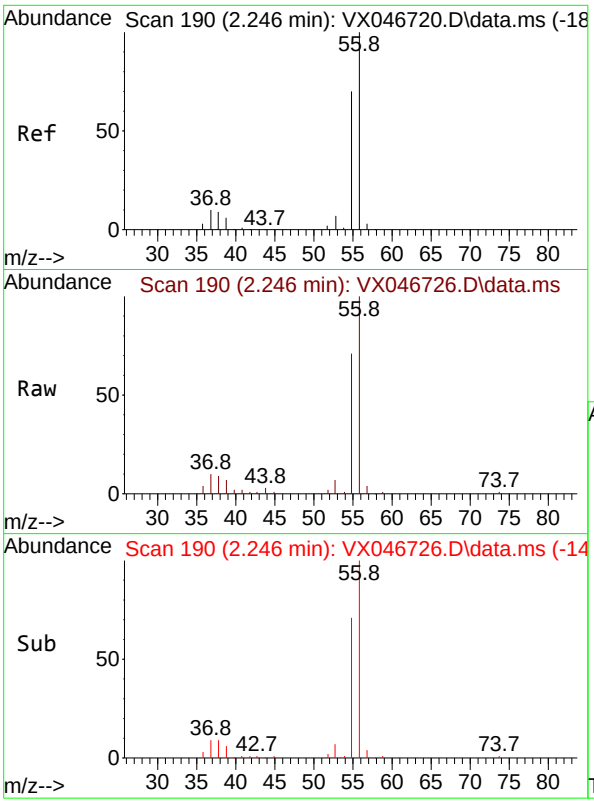



#12
1,1-Dichloroethene
Concen: 51.945 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 96 Resp: 74097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 126.6 | 189.8 |
| 98 | 63.7 | 50.7 | 76.1 |

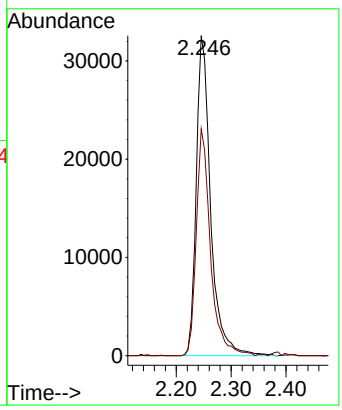





#13
Acrolein
Concen: 254.972 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 56 Resp: 5954

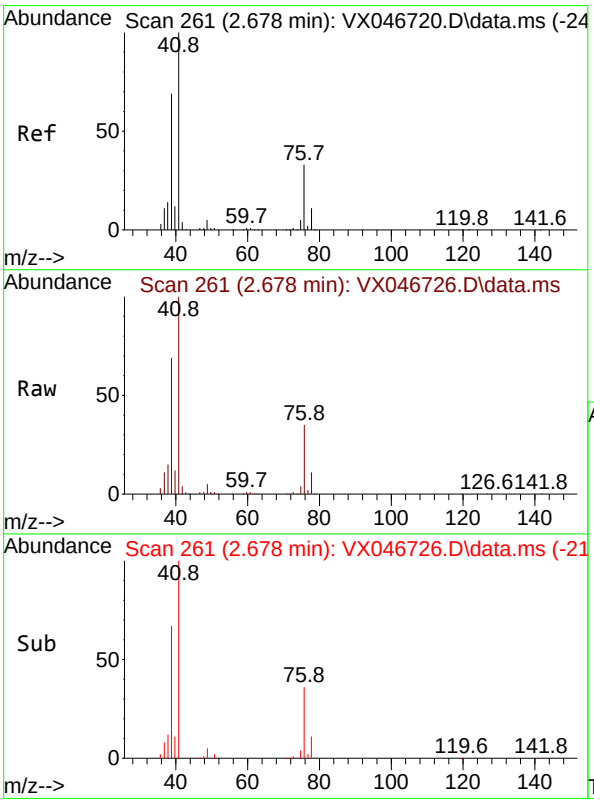
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.0 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

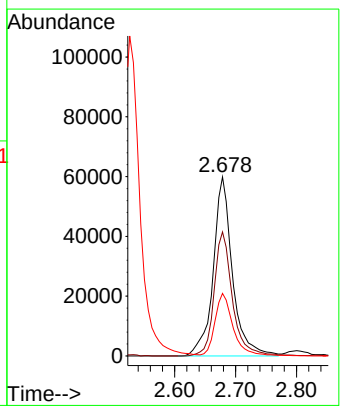
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

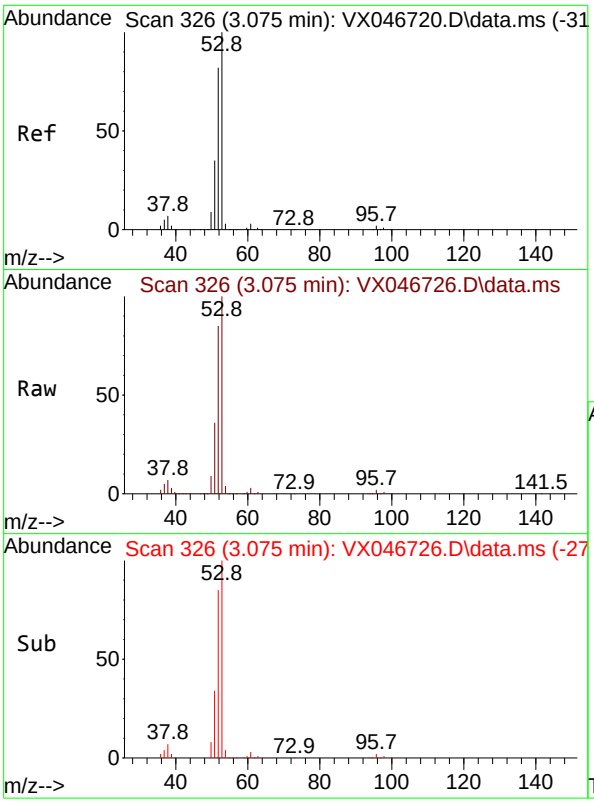



#14
Allyl chloride
Concen: 50.922 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 41 Resp: 131610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.1 | 53.6 | 80.4 |
| 76 | 33.1 | 26.8 | 40.2 |






#15
Acrylonitrile
Concen: 260.219 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

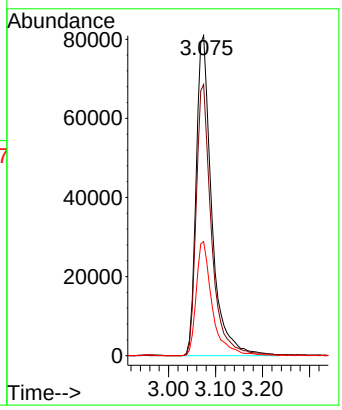
Tgt Ion: 53 Resp: 18760

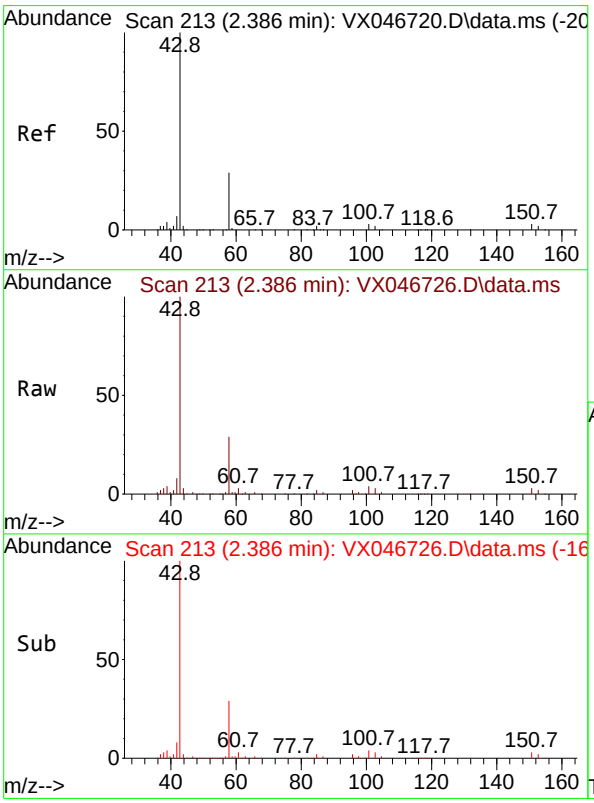
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.1 | 97.7 |
| 51 | 36.7 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

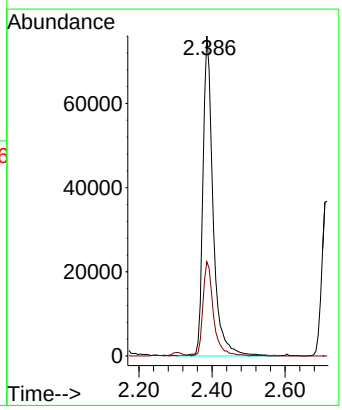


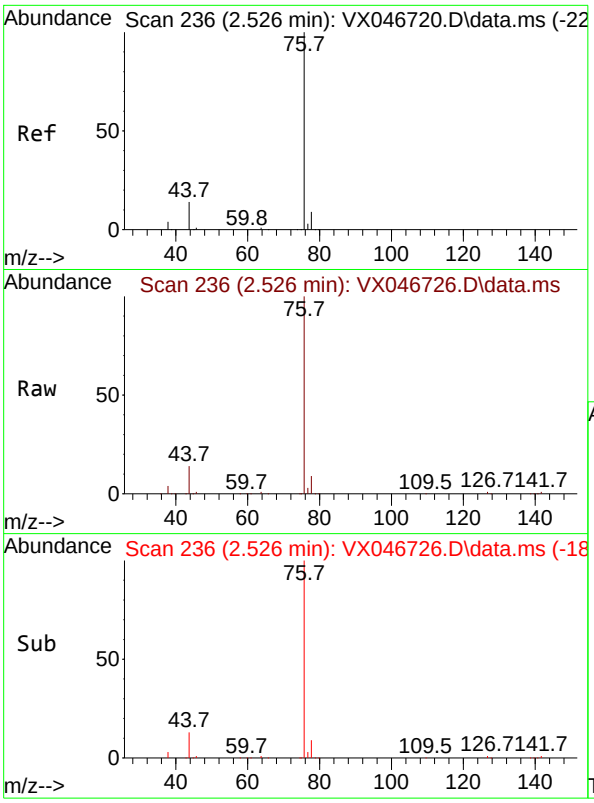




#16
Acetone
Concen: 246.347 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 146745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 47.710 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

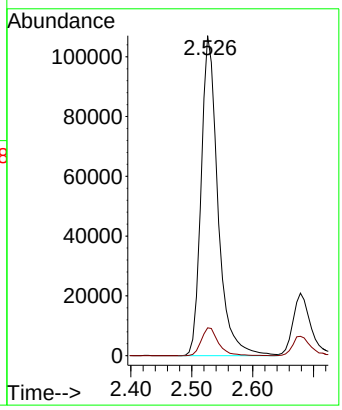
Tgt Ion: 76 Resp: 20551

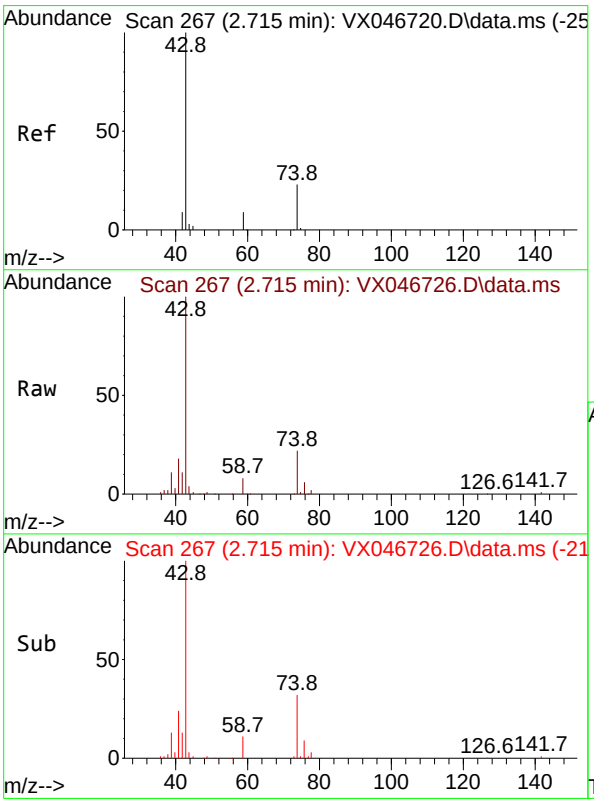
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

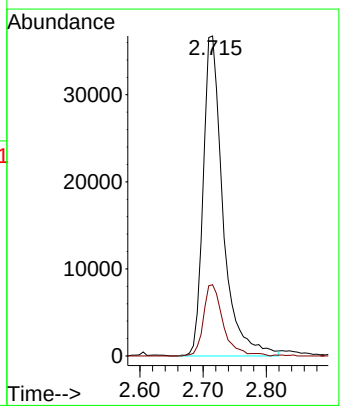


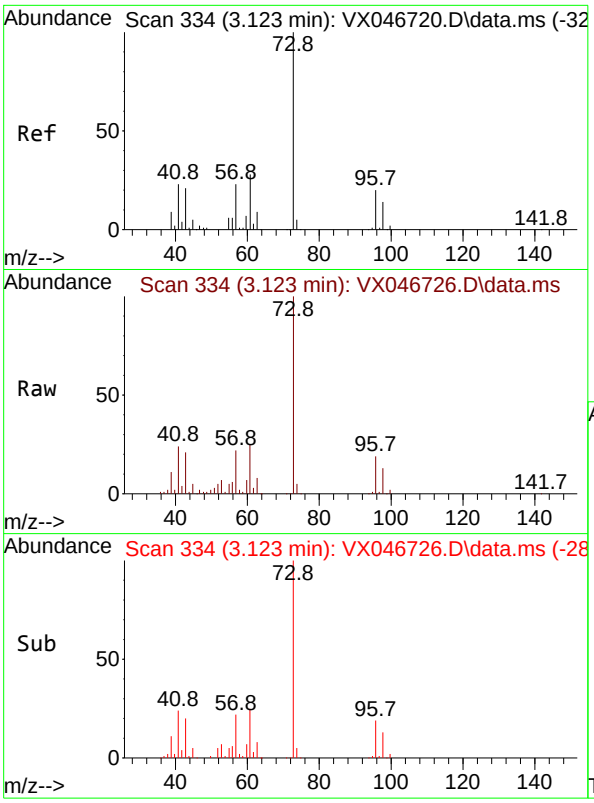




#18
Methyl Acetate
Concen: 52.909 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 80049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 18.4 | 27.6 |

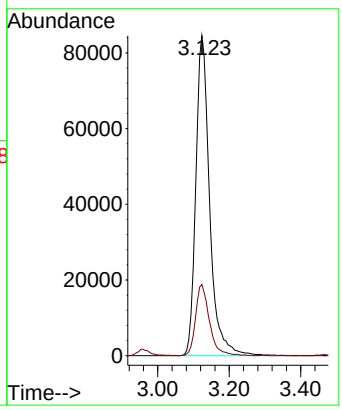





#19
Methyl tert-butyl Ether
Concen: 51.008 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 73 Resp: 22655

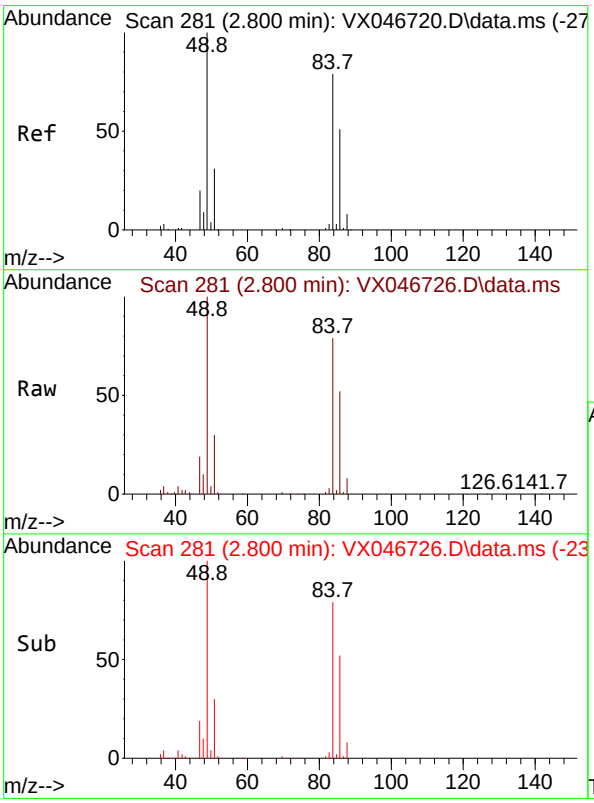
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

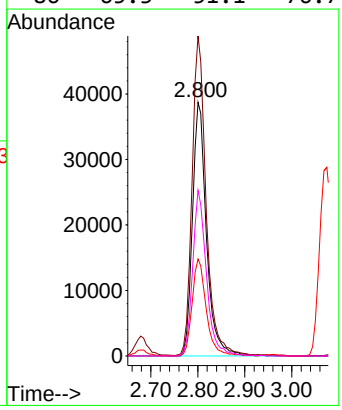
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

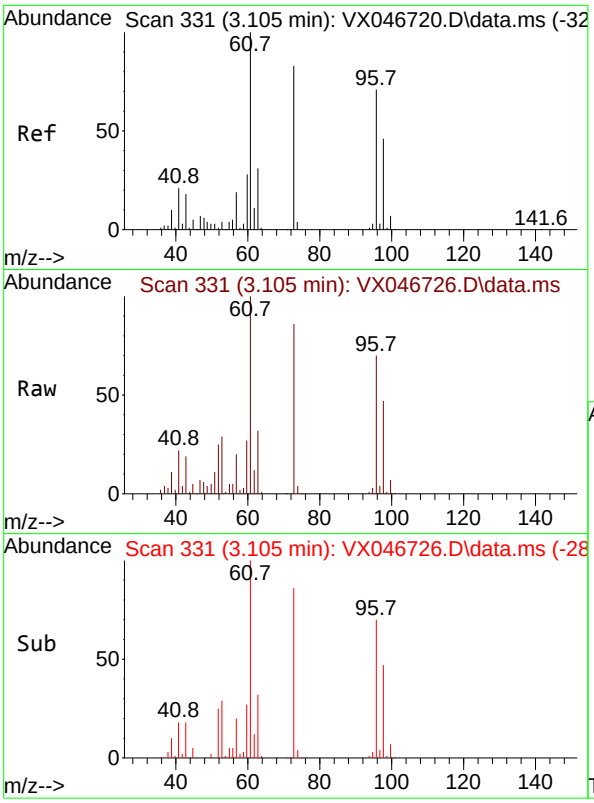



#20
Methylene Chloride
Concen: 48.696 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 84 Resp: 80668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.0 | 101.3 | 151.9 |
| 51 | 38.3 | 31.0 | 46.6 |
| 86 | 65.3 | 51.1 | 76.7 |

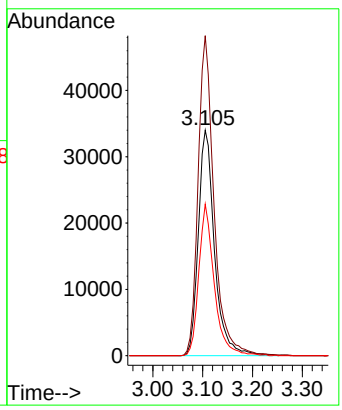





#21
trans-1,2-Dichloroethene
Concen: 50.375 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 96 Resp: 7688

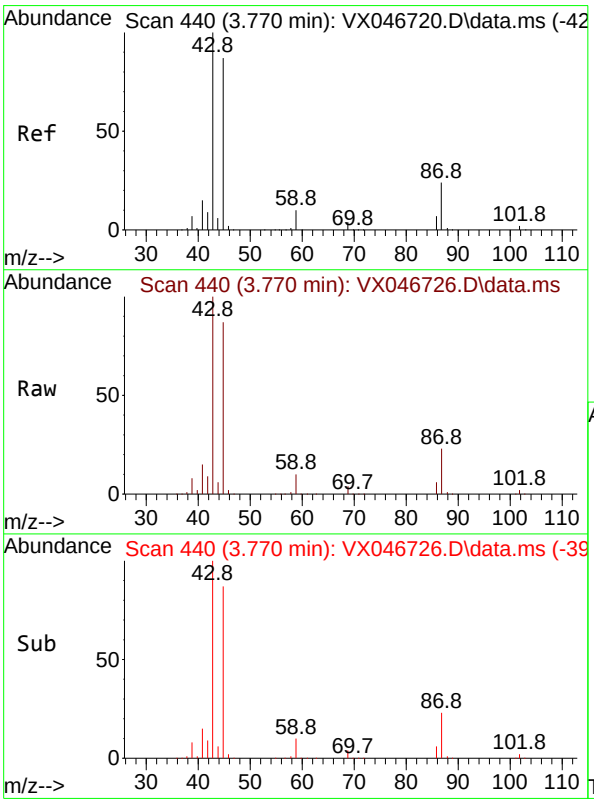
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.0 | 112.5 | 168.7 |
| 98 | 69.1 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

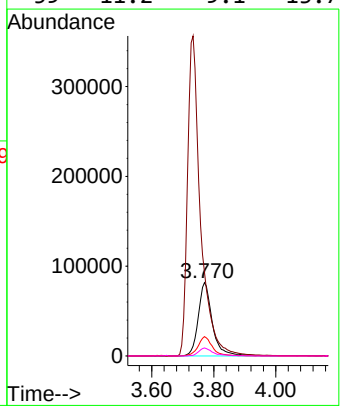
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

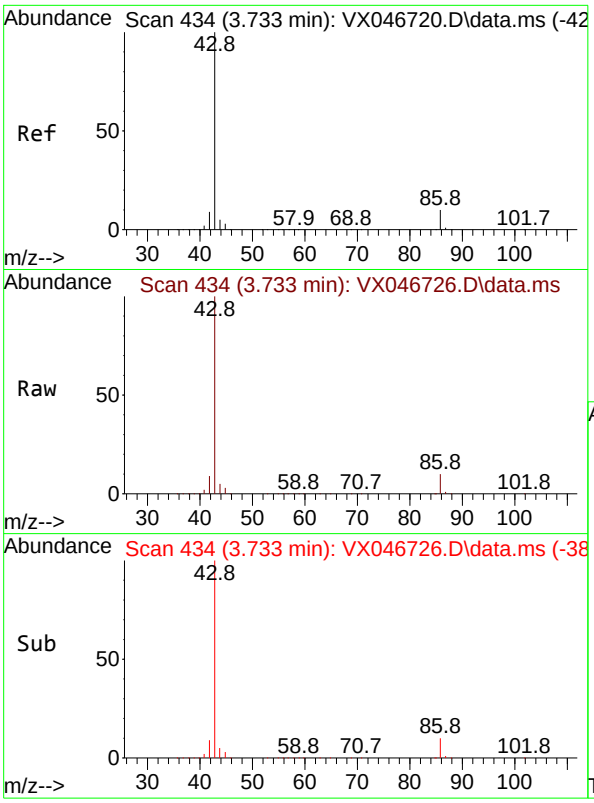



#22
Diisopropyl ether
Concen: 51.890 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 45 Resp: 257775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 114.3 | 91.9 | 137.9 |
| 87 | 26.4 | 22.0 | 33.0 |
| 59 | 11.2 | 9.1 | 13.7 |

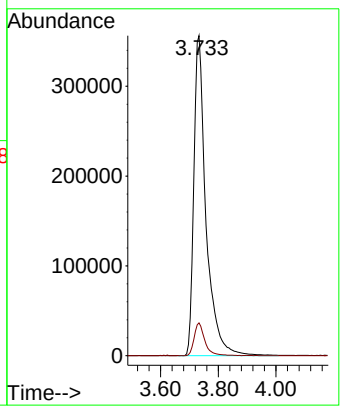





#23
Vinyl Acetate
Concen: 264.451 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 104467

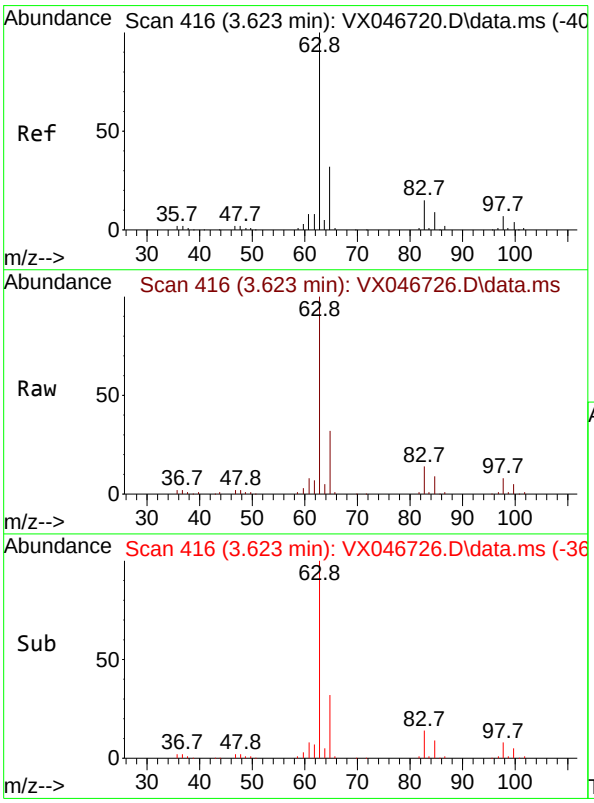
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

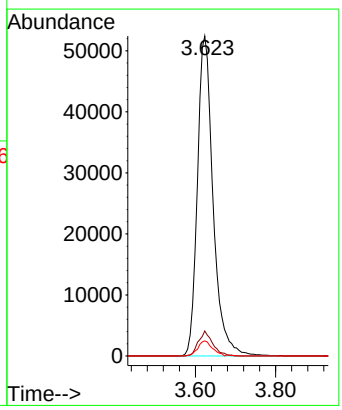
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

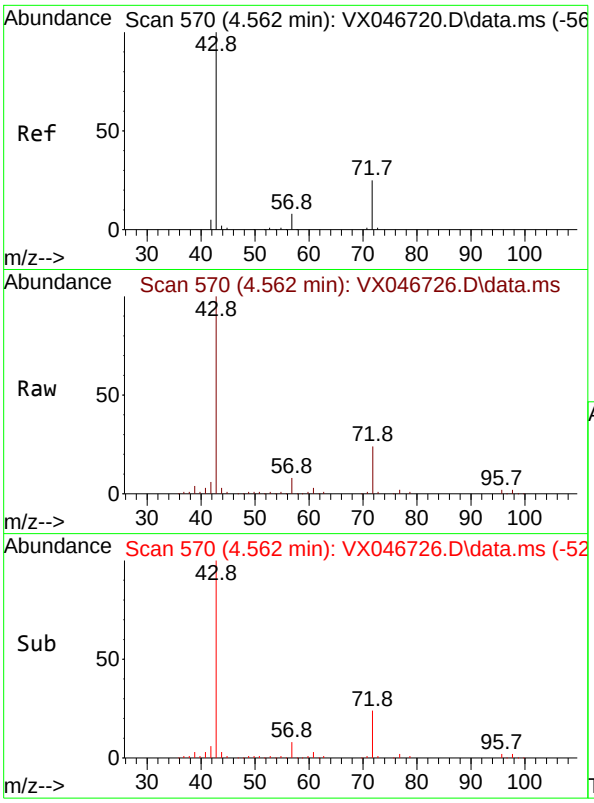



#24
1,1-Dichloroethane
Concen: 50.502 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 63 Resp: 142442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.7 | 2.2 | 6.6 |

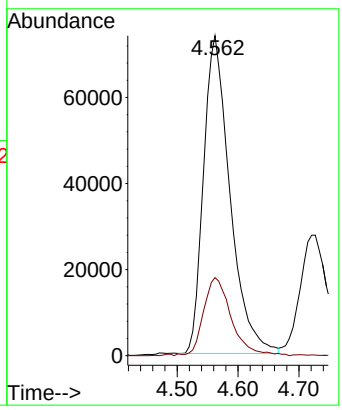





#25
2-Butanone
Concen: 264.542 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 22287

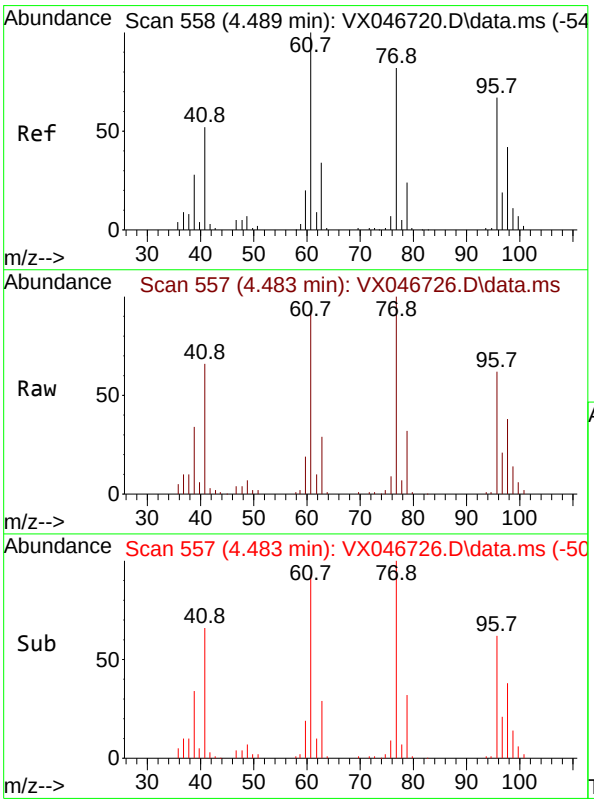
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.1 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

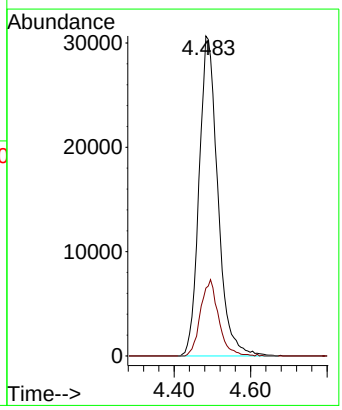
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

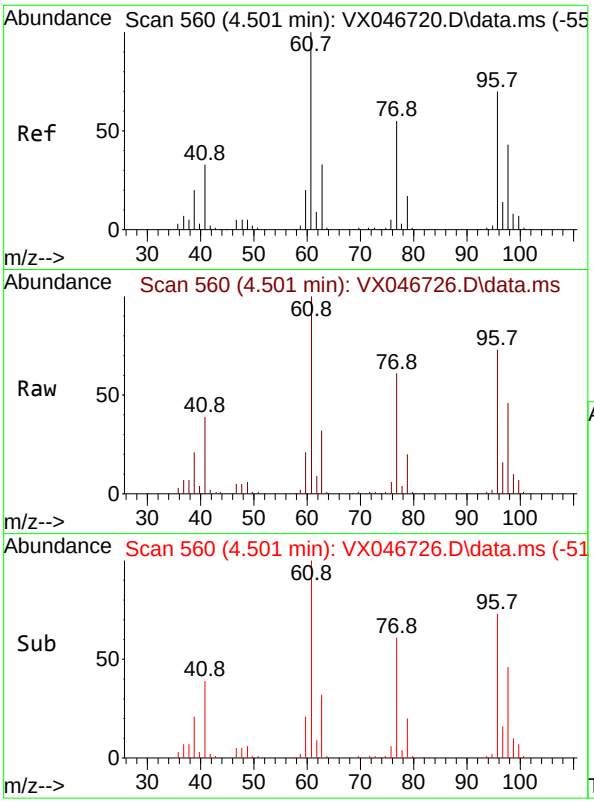



#26
2,2-Dichloropropane
Concen: 50.629 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 77 Resp: 104151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.0 | 11.8 | 35.3 |

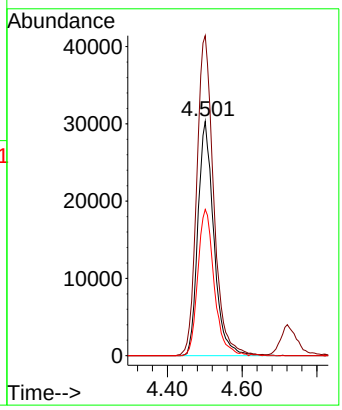





#27
cis-1,2-Dichloroethene
Concen: 50.003 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 96 Resp: 8966

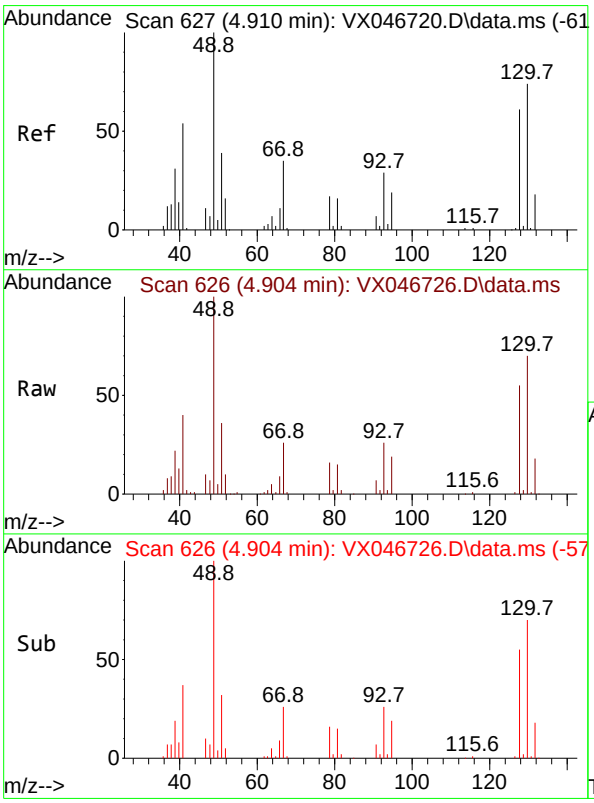
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 0.0 | 291.0 |
| 98 | 64.2 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

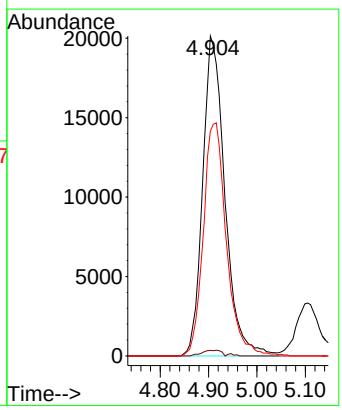
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

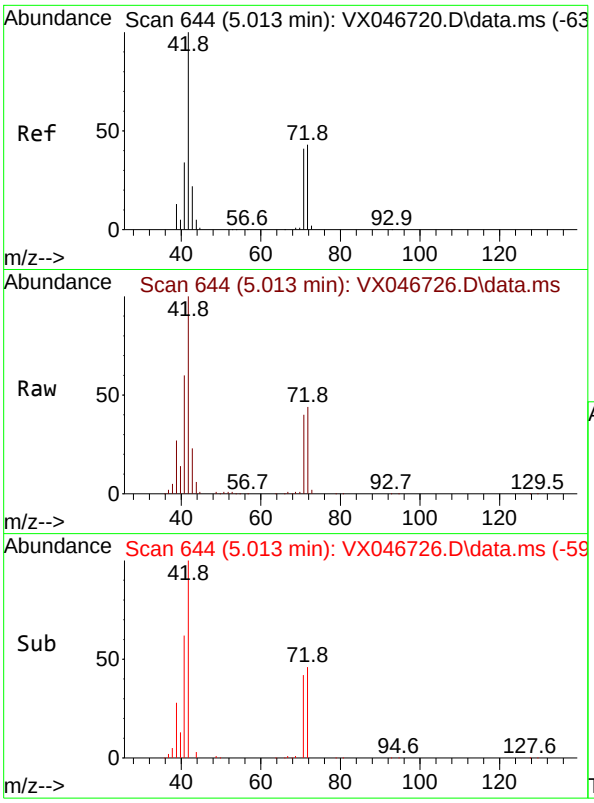



#28
Bromochloromethane
Concen: 50.308 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 49 Resp: 64330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.5 | 0.0 | 3.8 |
| 130 | 75.6 | 61.4 | 92.0 |

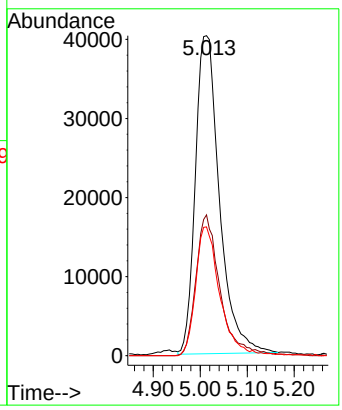





#29
Tetrahydrofuran
Concen: 263.836 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 42 Resp: 14357

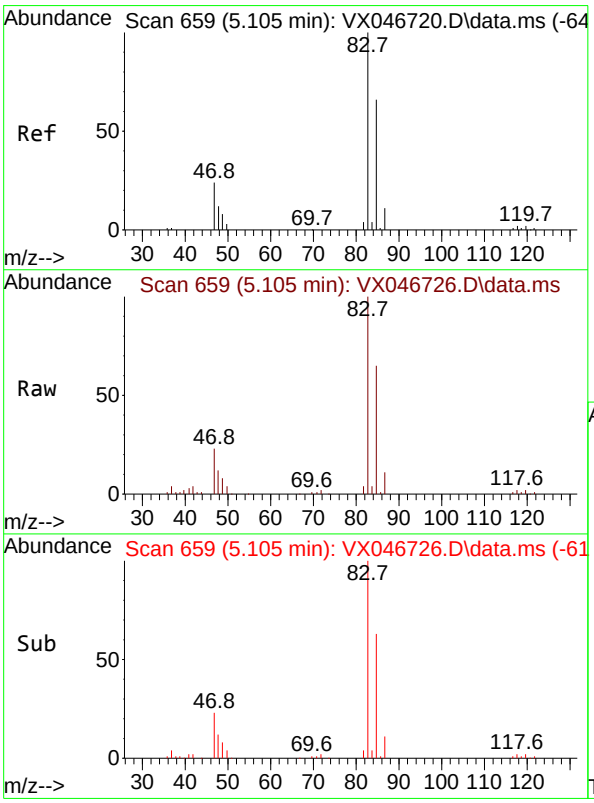
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.3 | 34.9 | 52.3 |
| 71 | 40.8 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

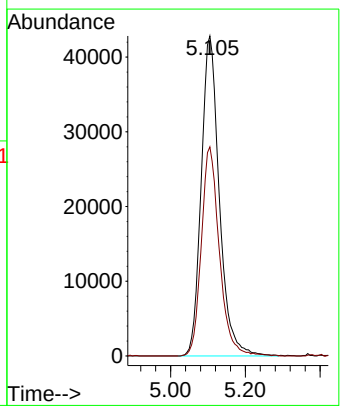
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

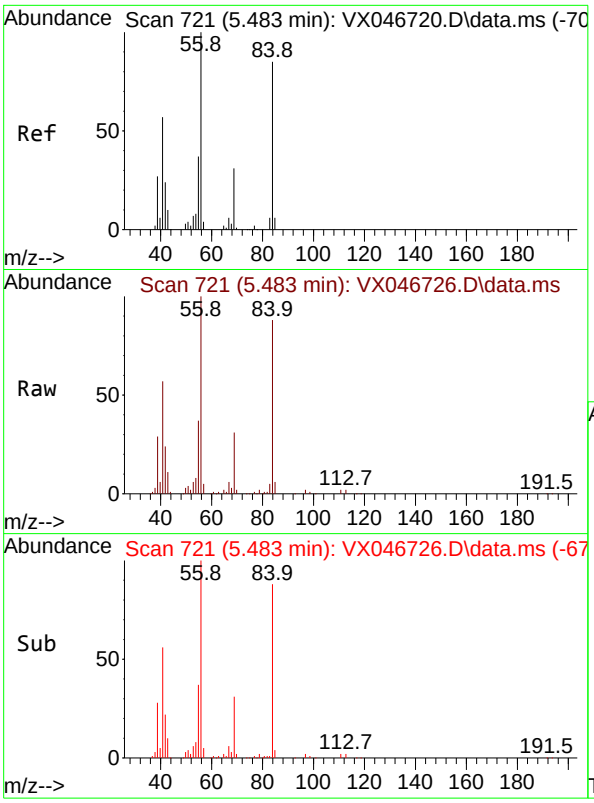



#30
Chloroform
Concen: 51.089 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 83 Resp: 144108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 53.7 | 80.5 |

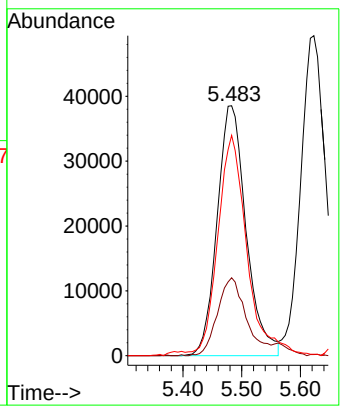





#31
Cyclohexane
Concen: 49.462 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 56 Resp: 13230

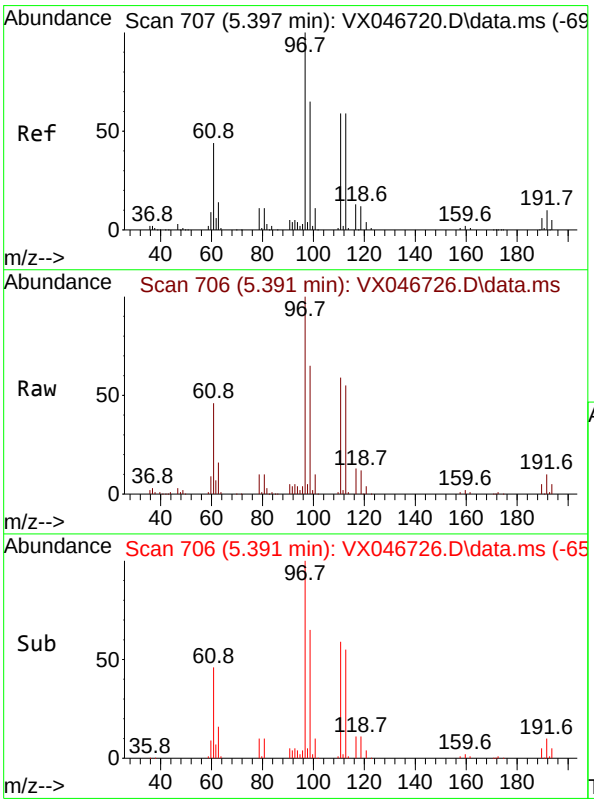
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 24.8 | 37.2 |
| 84 | 86.8 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

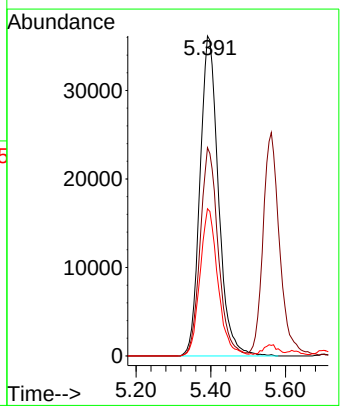
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

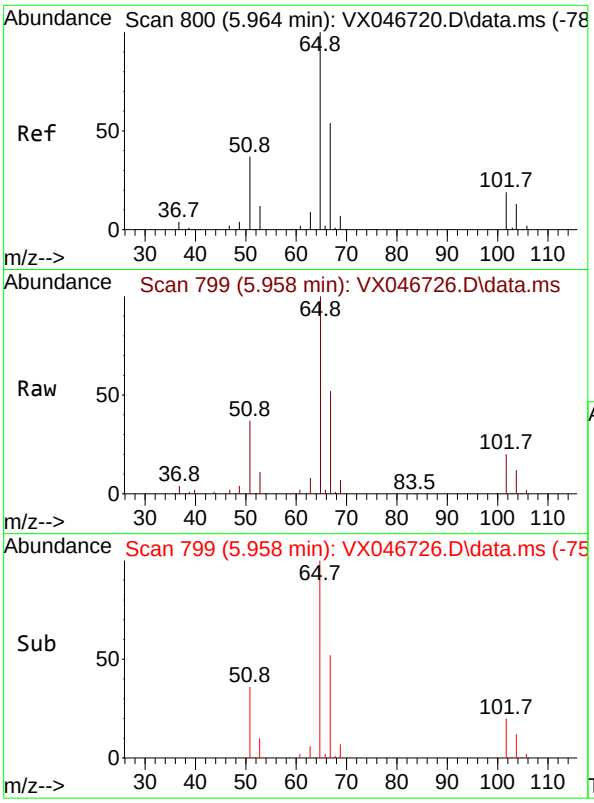



#32
1,1,1-Trichloroethane
Concen: 50.042 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 97 Resp: 123796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 51.3 | 76.9 |
| 61 | 45.1 | 36.4 | 54.6 |

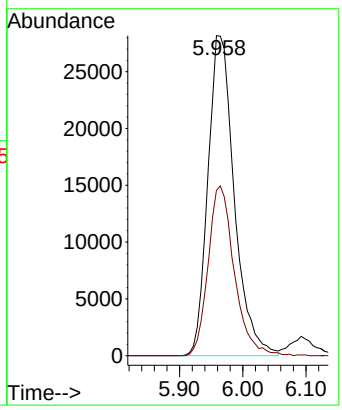





#33
1,2-Dichloroethane-d4
Concen: 45.697 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 65 Resp: 8162

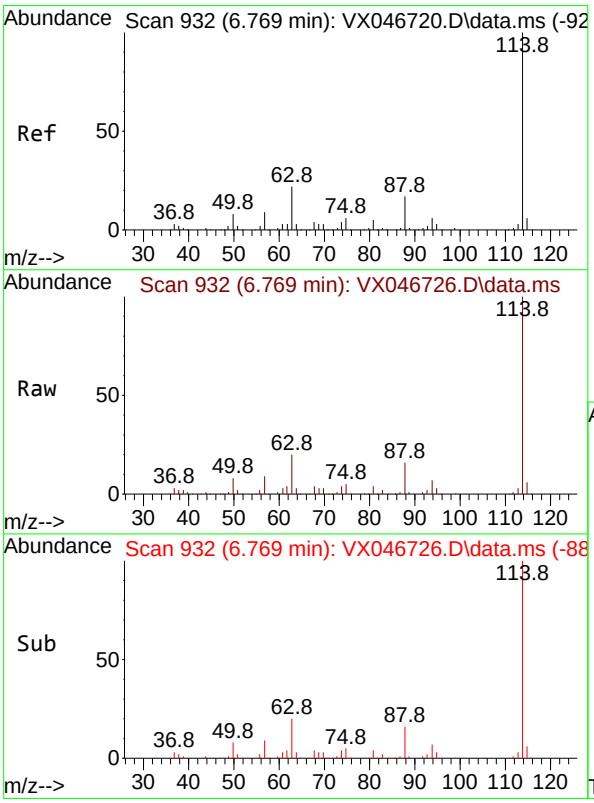
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

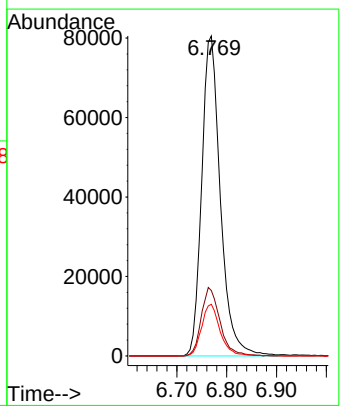
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

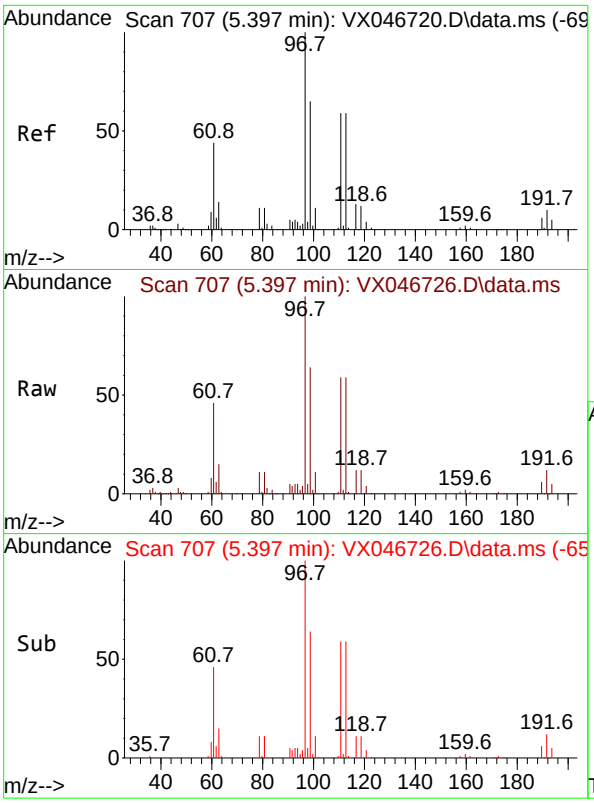



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:114 Resp: 209541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |

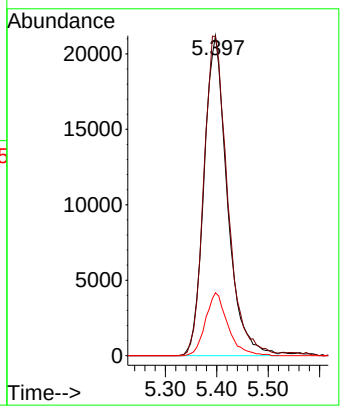





#35
Dibromofluoromethane
Concen: 48.072 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:113 Resp: 6664

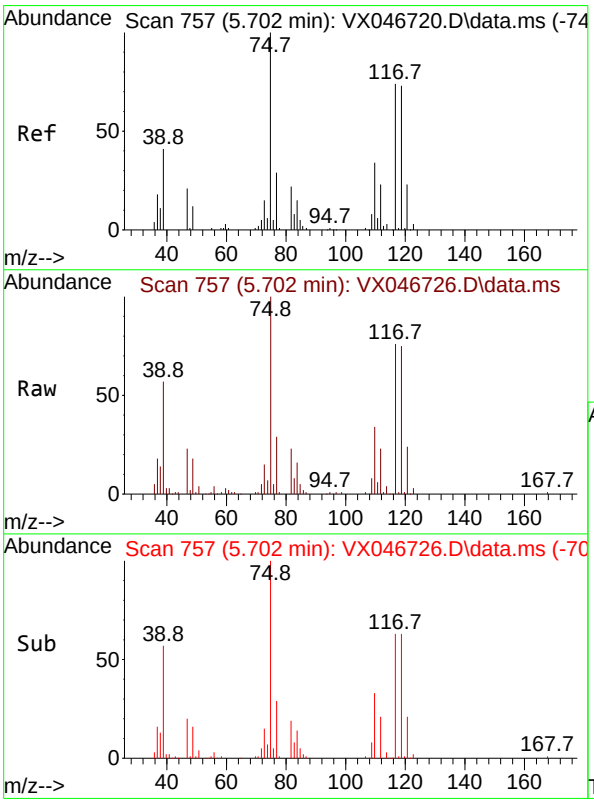
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 18.9 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

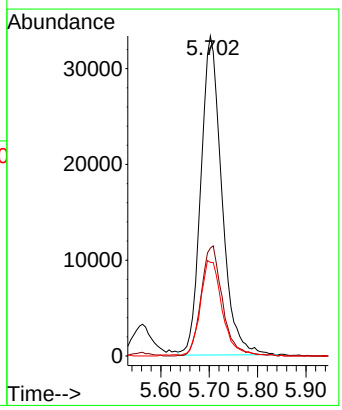
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

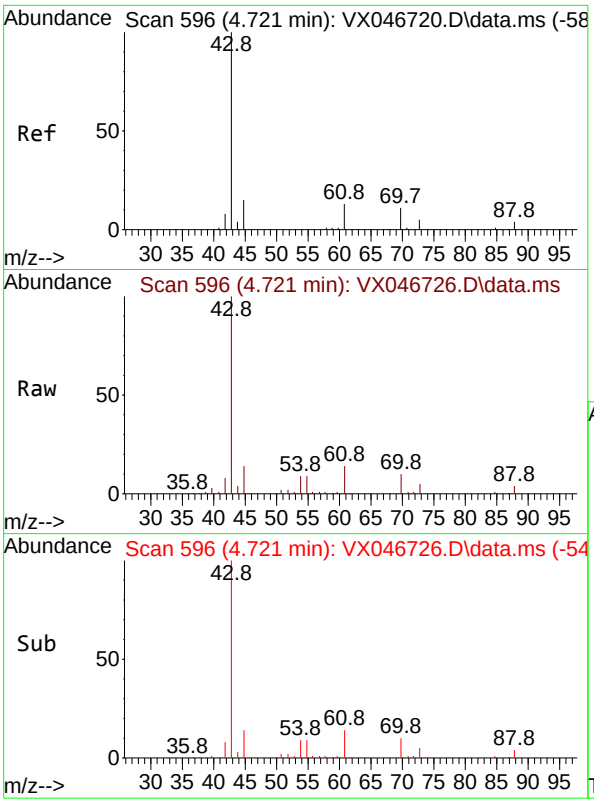



#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 100241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.2 | 51.5 |
| 77 | 30.7 | 24.2 | 36.4 |

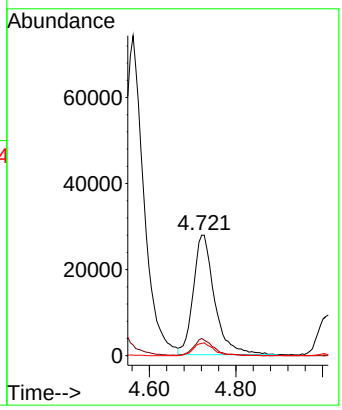





#37
Ethyl Acetate
Concen: 51.401 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 9495

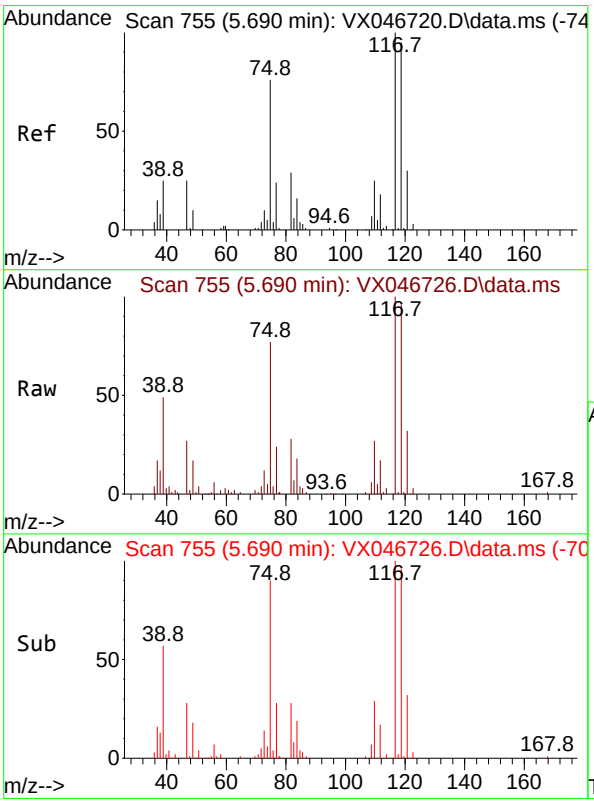
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 9.7 | 14.5 |
| 70 | 10.1 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

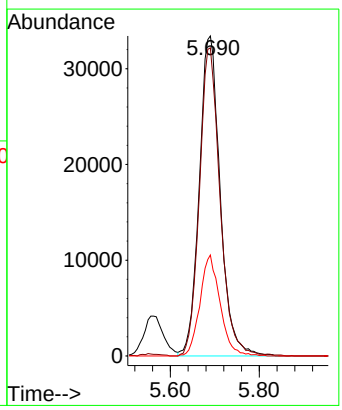
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

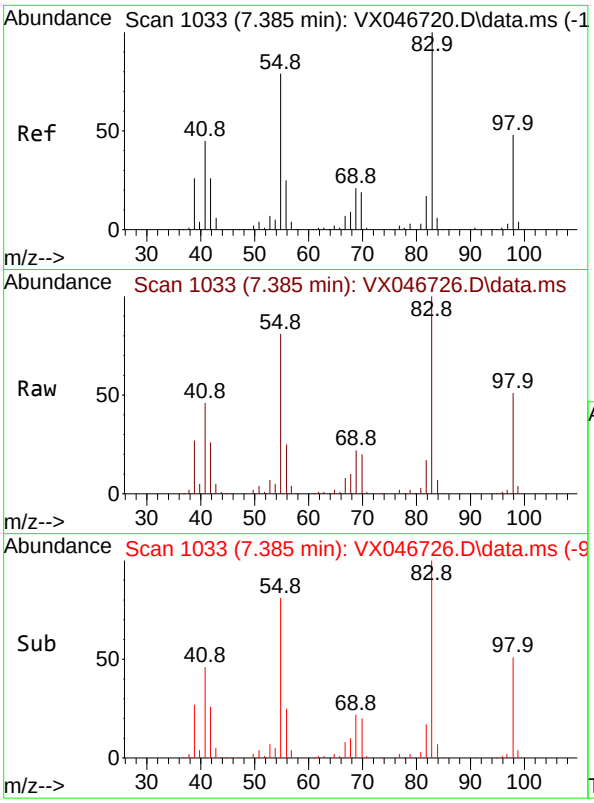



#38
Carbon Tetrachloride
Concen: 50.403 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:117 Resp: 109471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 75.2 | 112.8 |
| 121 | 31.6 | 24.1 | 36.1 |

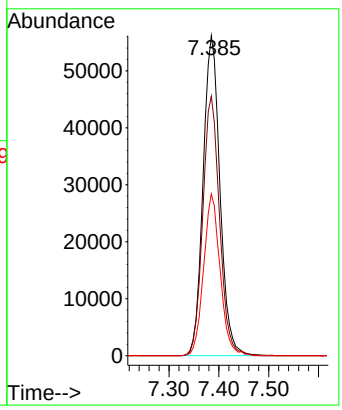





#39
Methylcyclohexane
Concen: 50.155 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 83 Resp: 13208

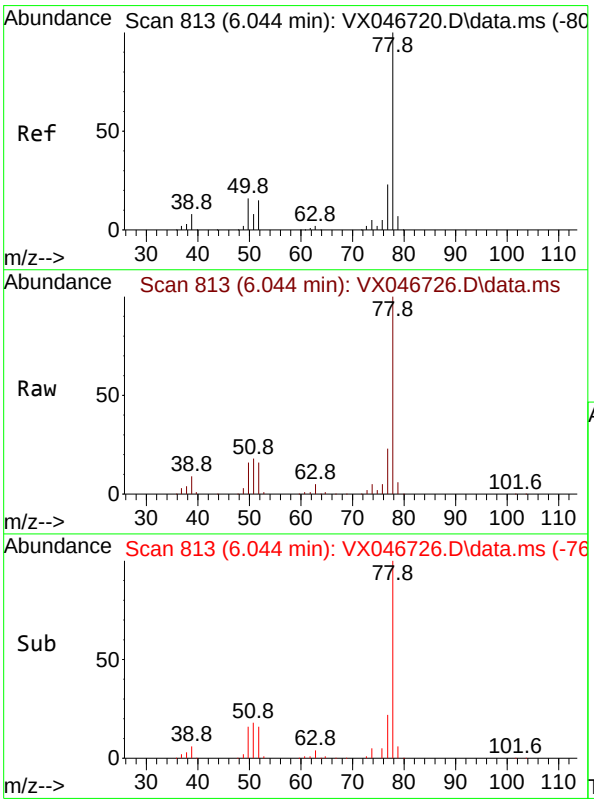
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.1 | 63.0 | 94.4 |
| 98 | 50.5 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

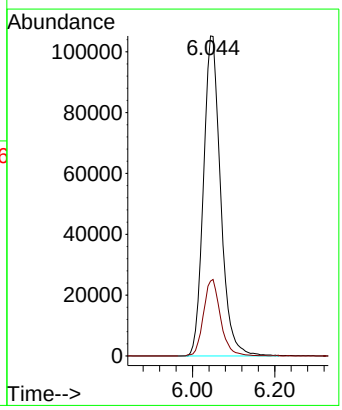
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

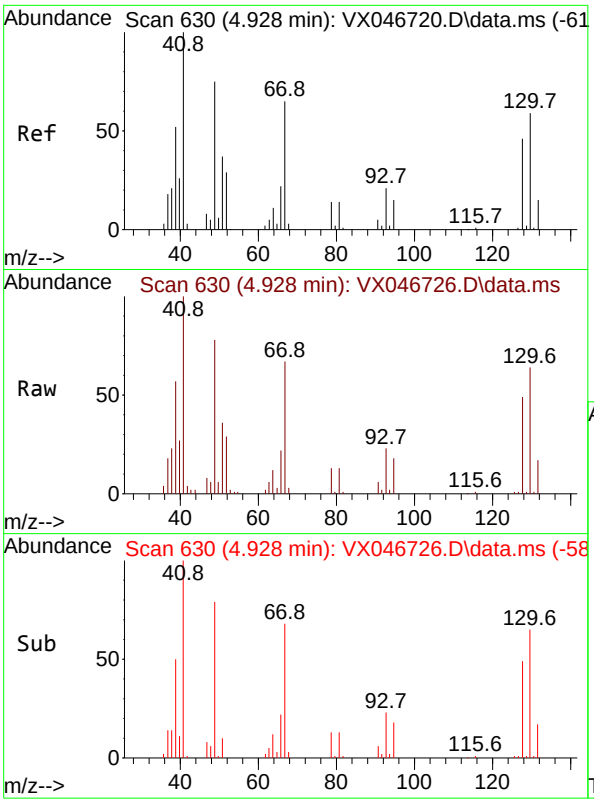



#40
Benzene
Concen: 51.385 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 78 Resp: 304346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 18.8 | 28.2 |

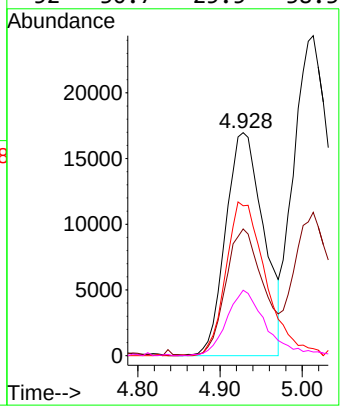





#41
Methacrylonitrile
Concen: 55.341 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 41 Resp: 5450

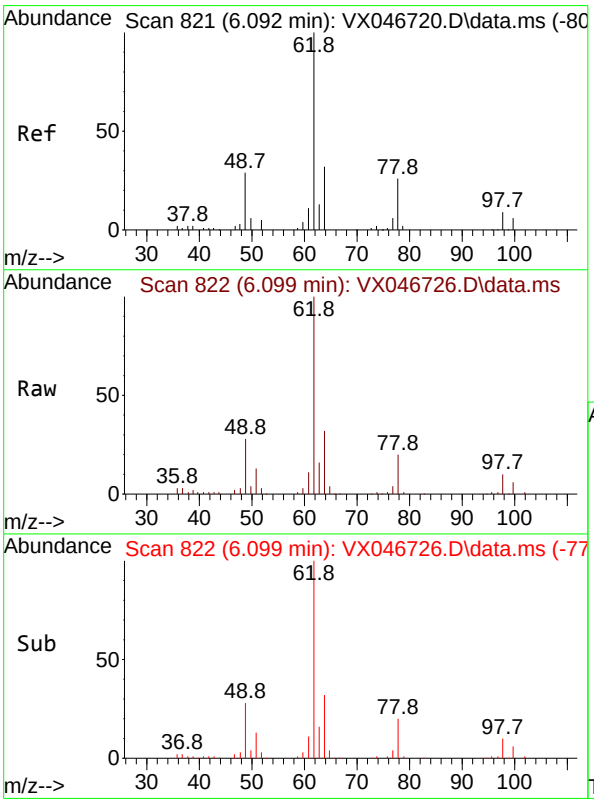
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.5 | 45.9 | 68.9 |
| 67 | 72.5 | 61.2 | 91.8 |
| 52 | 30.7 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

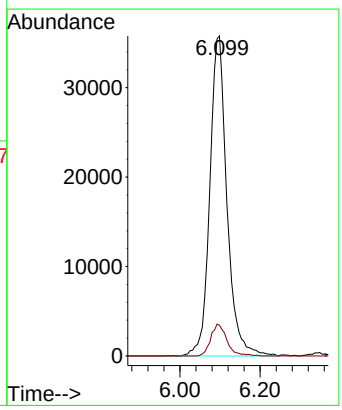
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

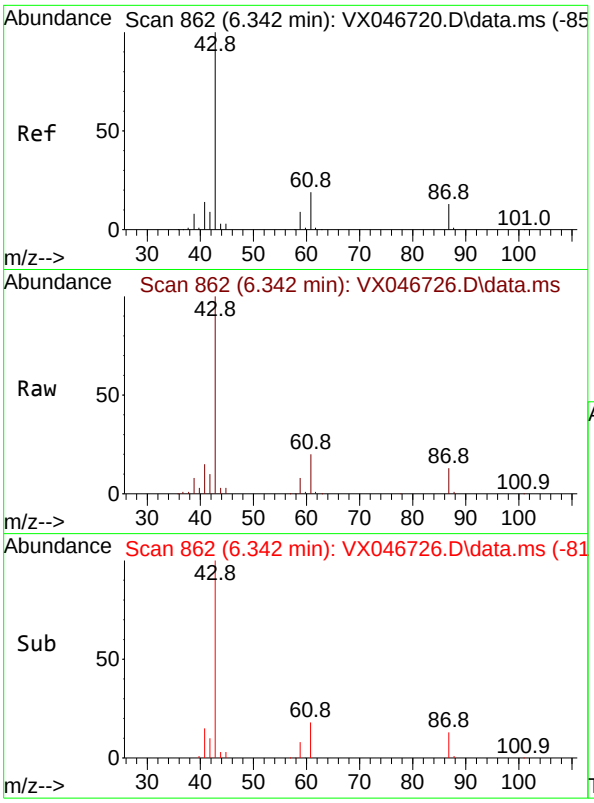



#42
1,2-Dichloroethane
Concen: 50.970 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 62 Resp: 106085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.8 |

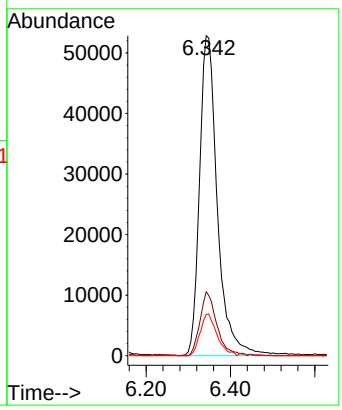





#43
Isopropyl Acetate
Concen: 53.888 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 15577

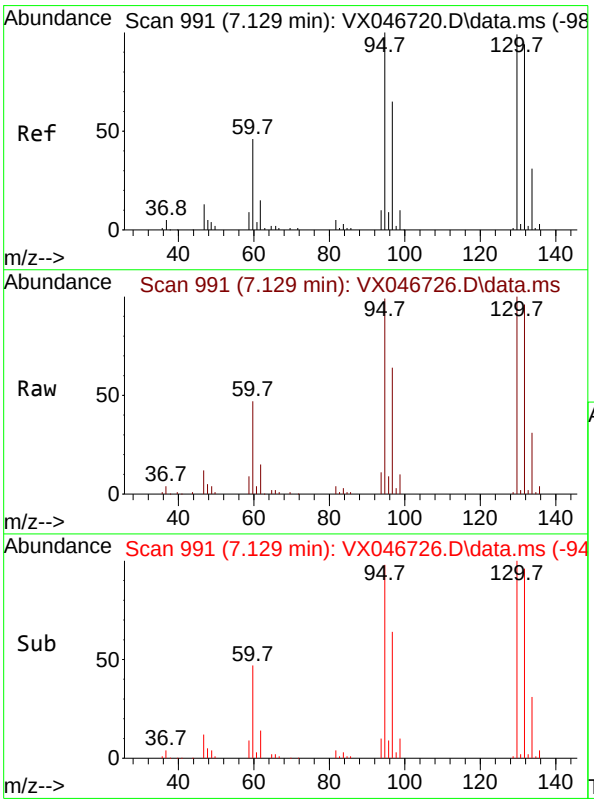
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 15.3 | 22.9 |
| 87 | 12.2 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

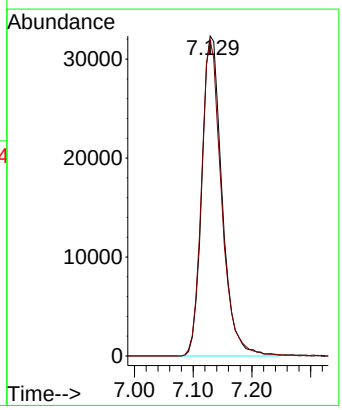
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

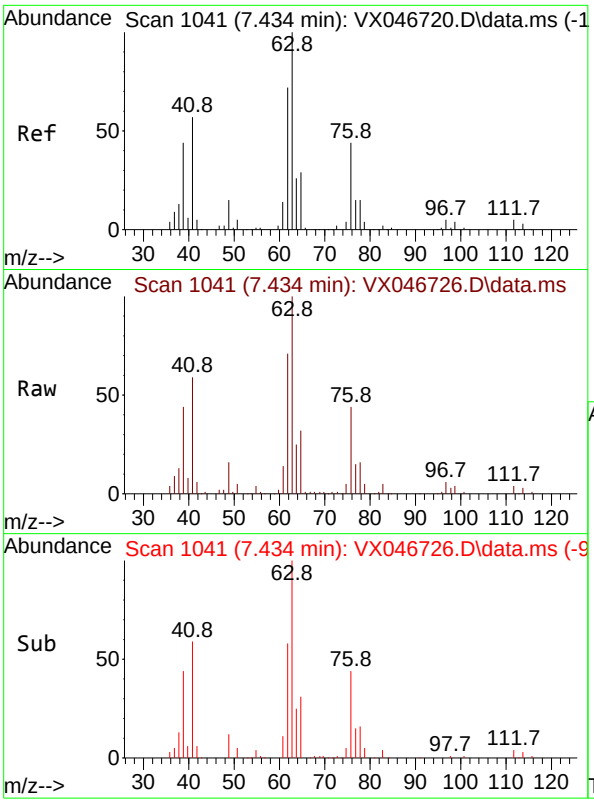



#44
Trichloroethene
Concen: 51.000 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:130 Resp: 76981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 202.6 |

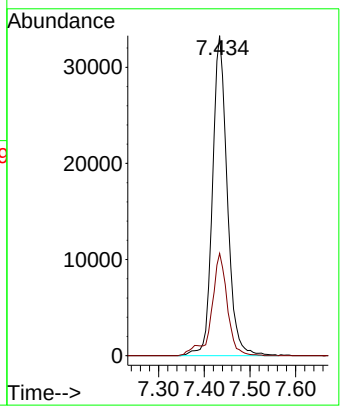





#45
1,2-Dichloropropane
Concen: 50.940 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 63 Resp: 7477

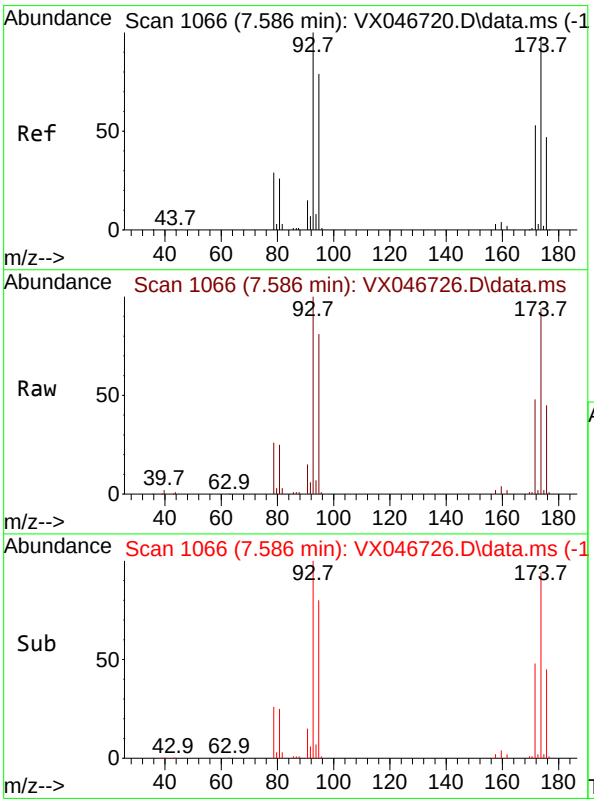
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

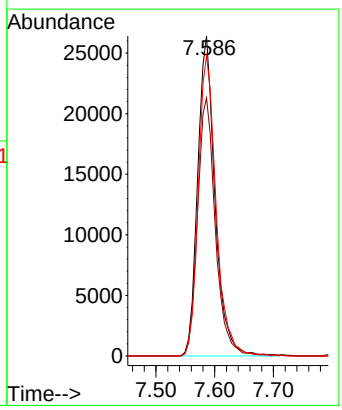
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

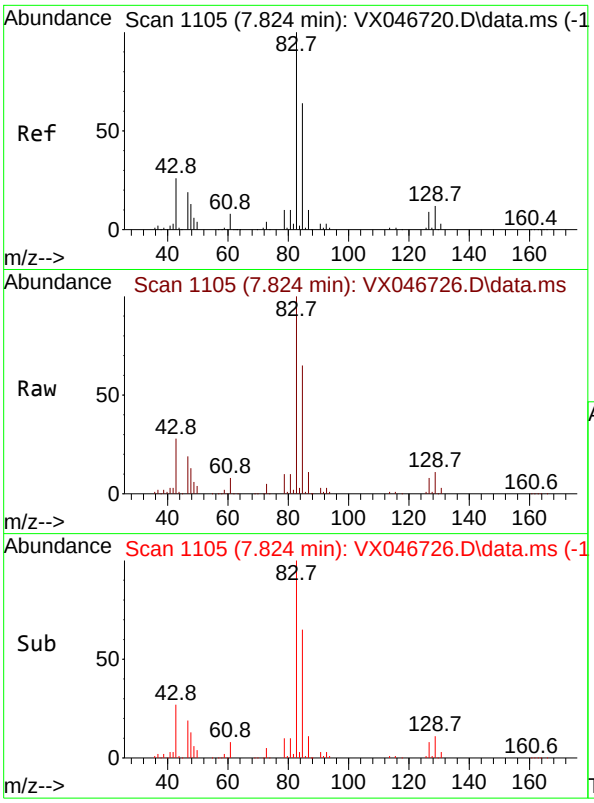



#46
Dibromomethane
Concen: 51.329 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 93 Resp: 54149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.2 | 99.4 |
| 174 | 96.3 | 77.0 | 115.6 |

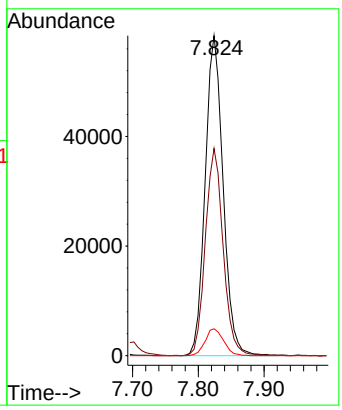





#47
Bromodichloromethane
Concen: 51.479 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 83 Resp: 11082

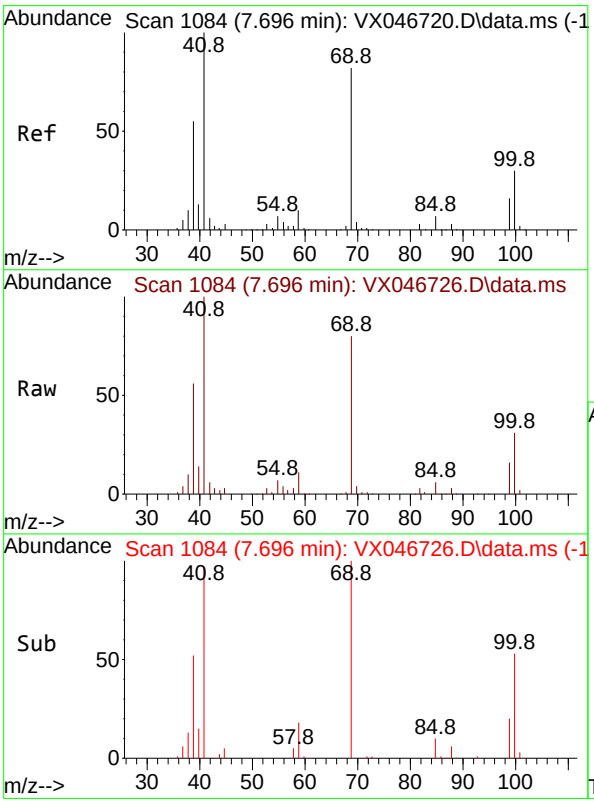
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.4 | 77.2 |
| 127 | 8.4 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

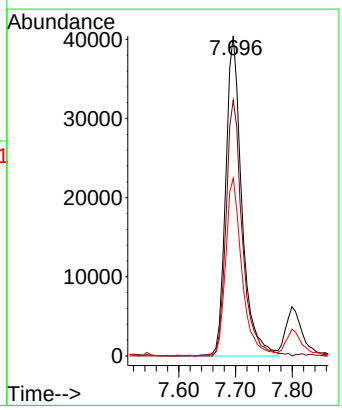
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

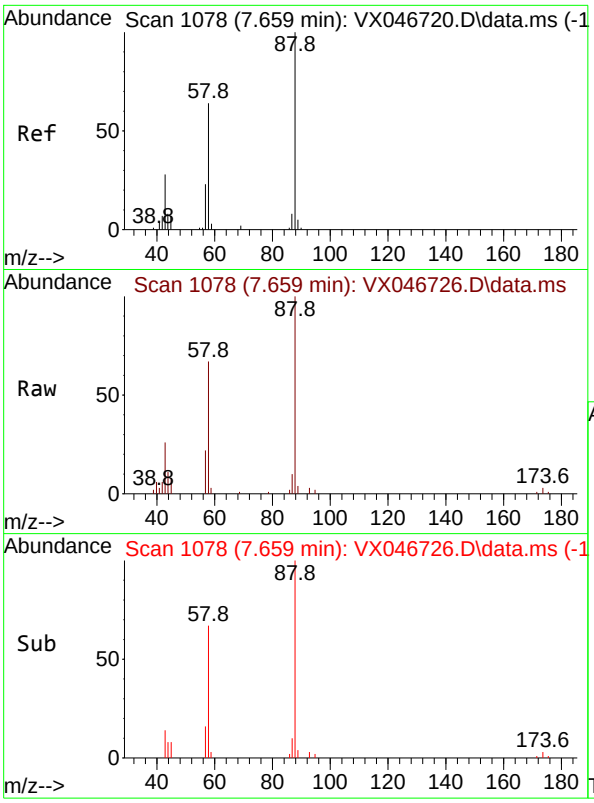



#48
Methyl methacrylate
Concen: 55.091 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 41 Resp: 79868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.6 | 63.4 | 95.2 |
| 39 | 55.9 | 45.4 | 68.0 |

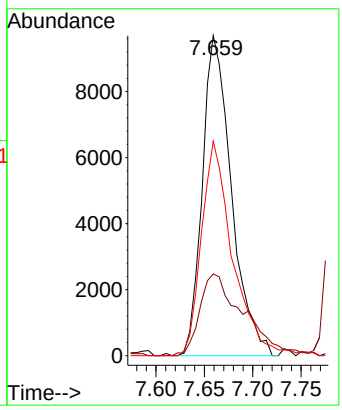





#49
1,4-Dioxane
Concen: 964.253 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 88 Resp: 2031

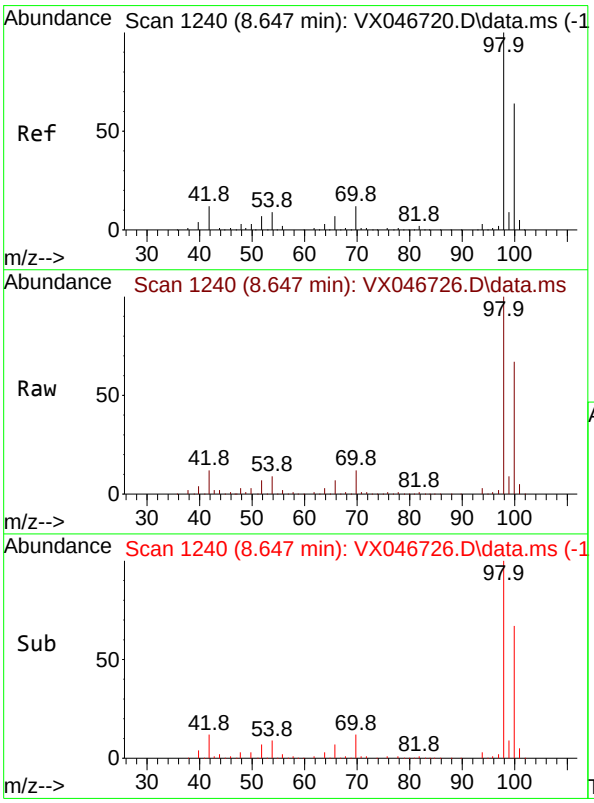
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 31.2 | 46.8 |
| 58 | 72.0 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

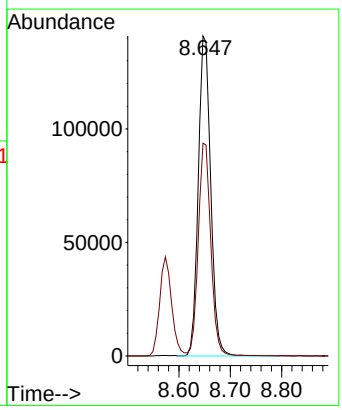
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

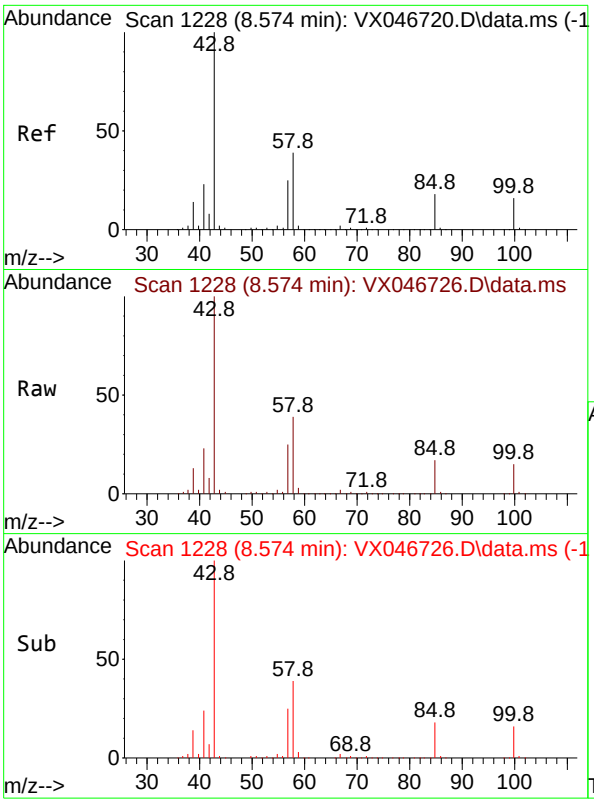



#50
Toluene-d8
Concen: 47.537 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 98 Resp: 236781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

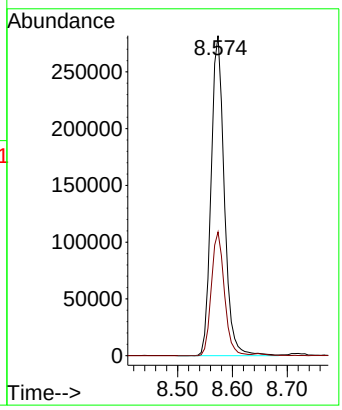





#51
4-Methyl-2-Pentanone
Concen: 272.916 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 47052

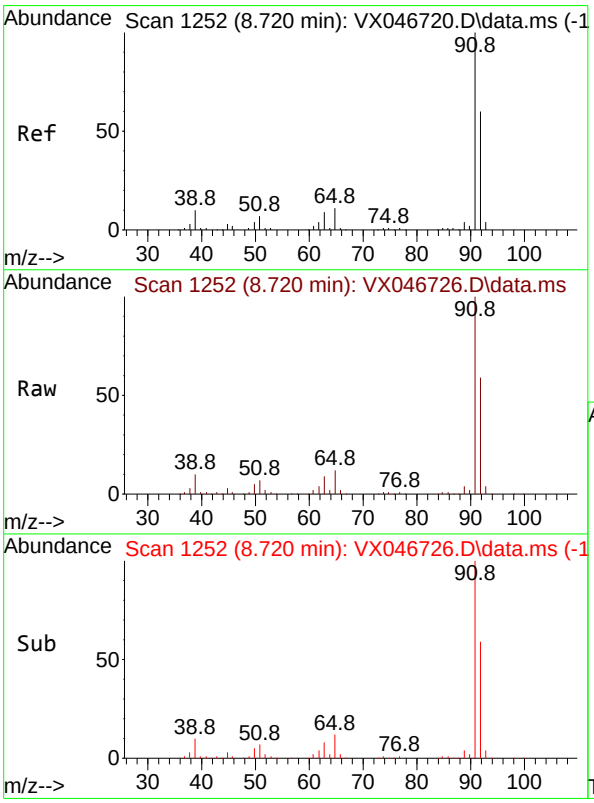
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

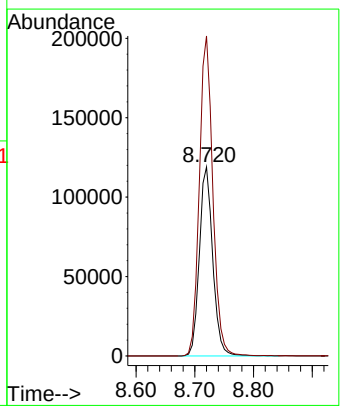
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

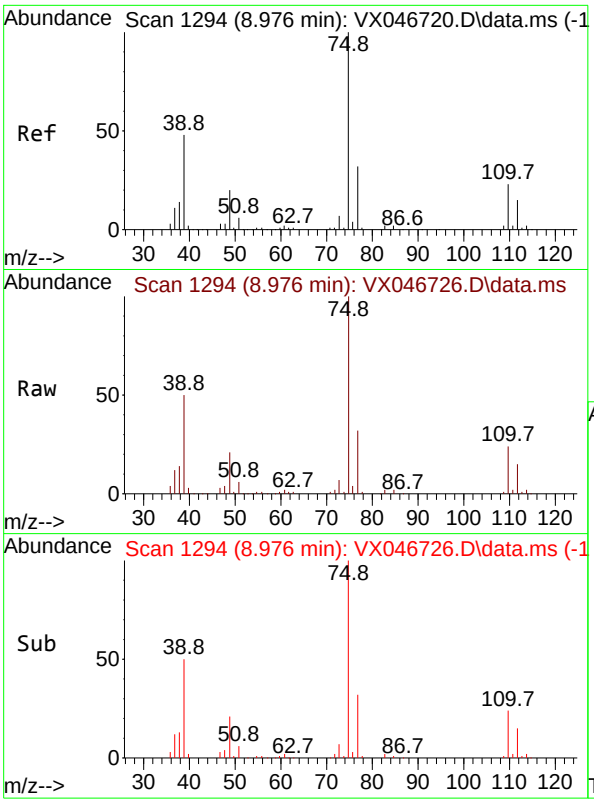



#52
Toluene
Concen: 51.237 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 92 Resp: 188131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 134.8 | 202.2 |

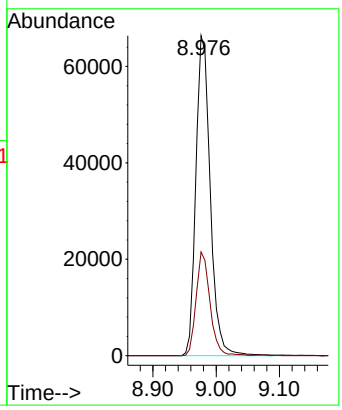





#53
t-1,3-Dichloropropene
Concen: 52.785 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 10543

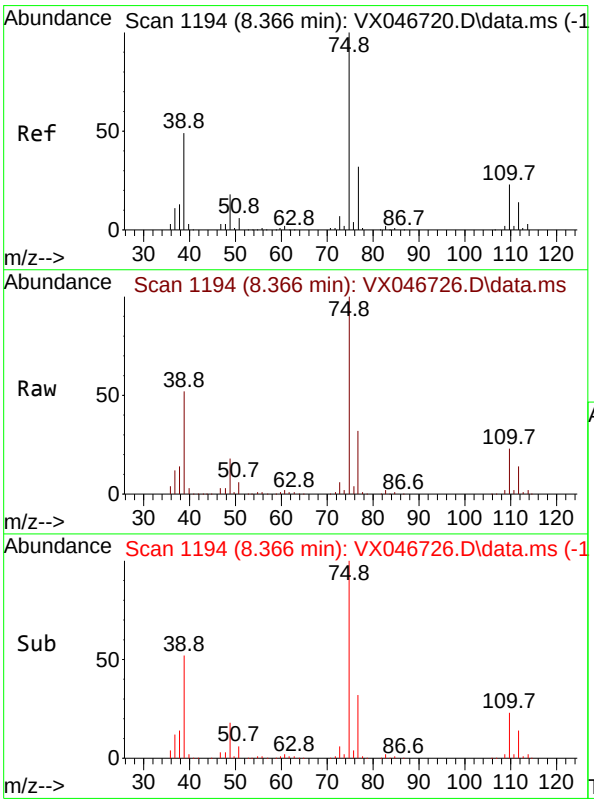
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

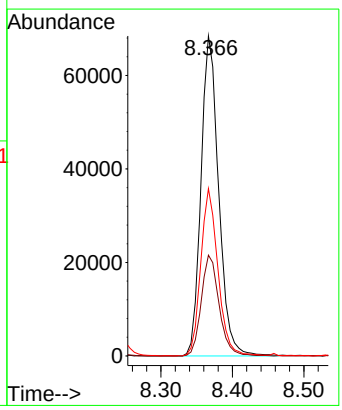
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

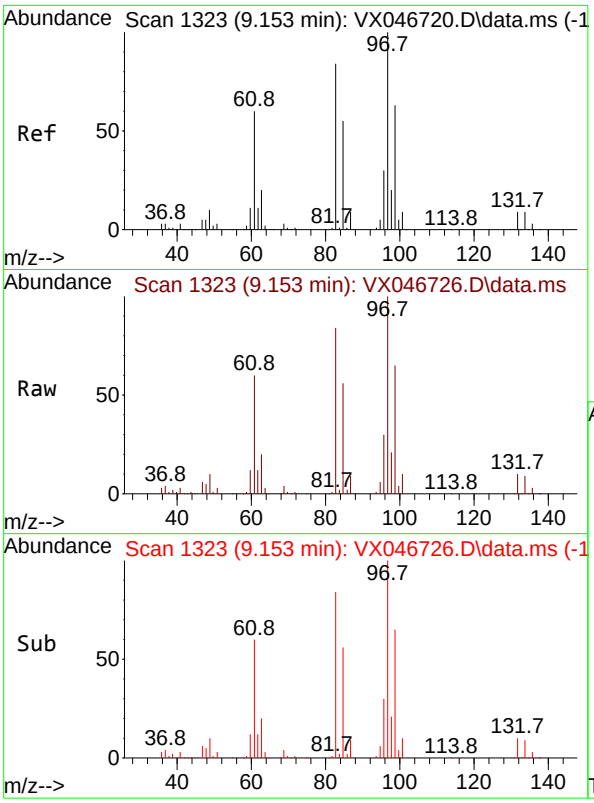



#54
cis-1,3-Dichloropropene
Concen: 51.813 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 117487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |
| 39 | 52.2 | 39.2 | 58.8 |

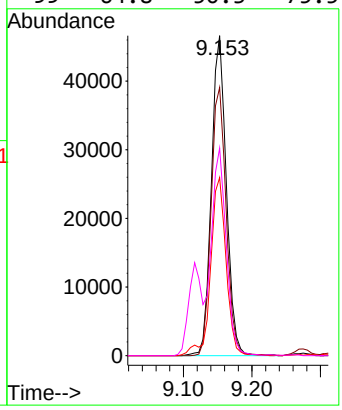





#55
1,1,2-Trichloroethane
Concen: 51.698 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 97 Resp: 7073

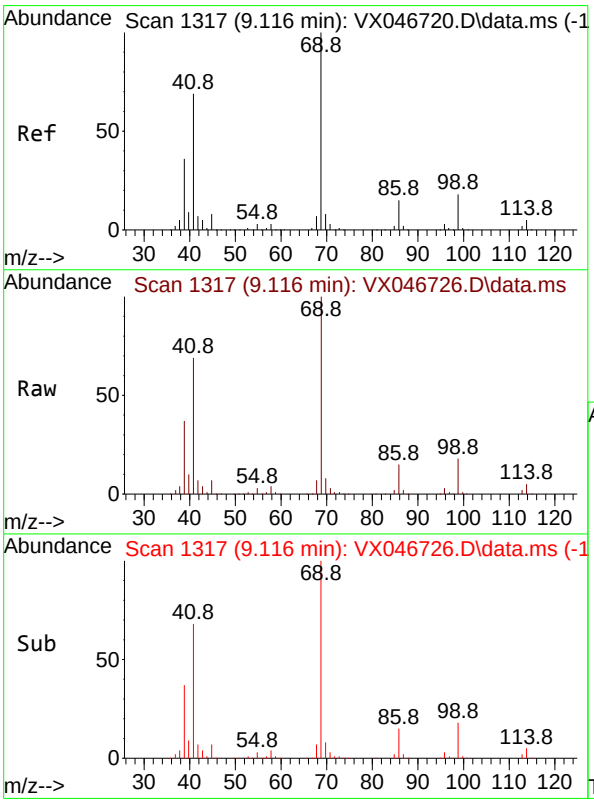
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.8 | 67.2 | 100.8 |
| 85 | 55.5 | 44.1 | 66.1 |
| 99 | 64.8 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

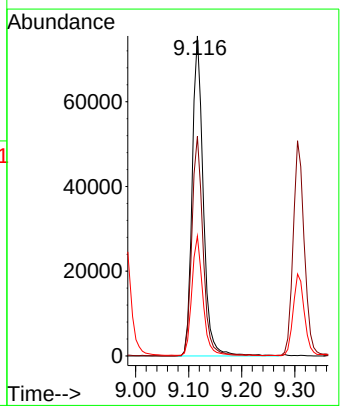
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

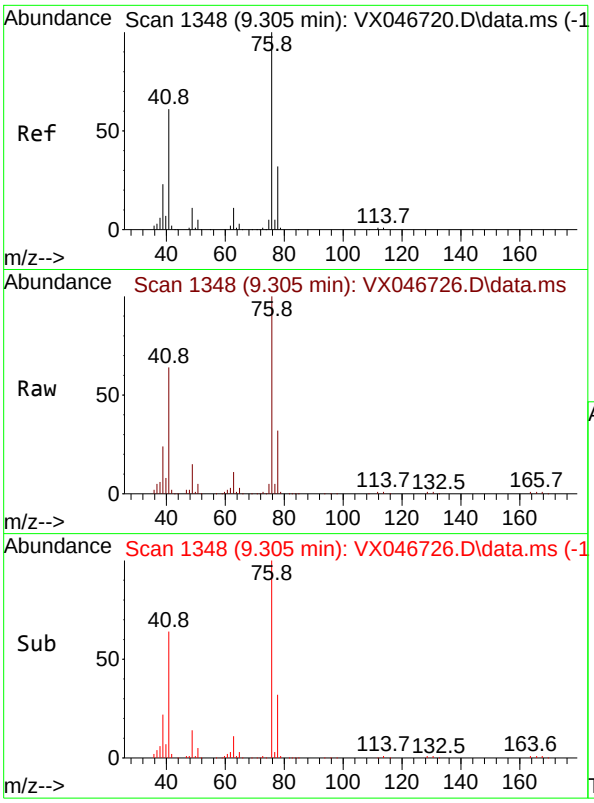



#56
Ethyl methacrylate
Concen: 54.266 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 69 Resp: 109612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.7 | 29.7 | 44.5 |






#57
1,3-Dichloropropane
Concen: 51.625 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

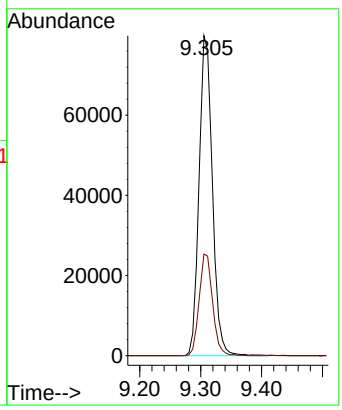
Tgt Ion: 76 Resp: 12164

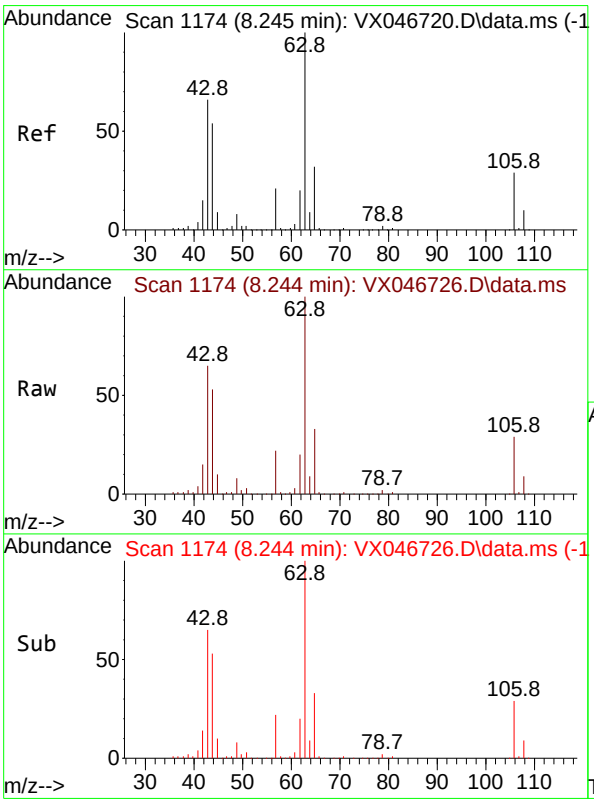
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

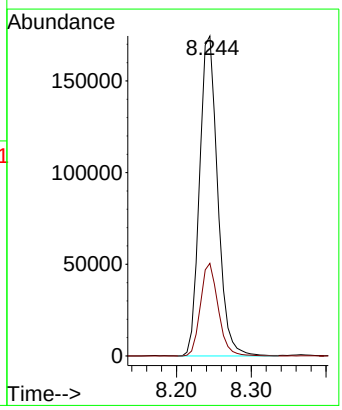


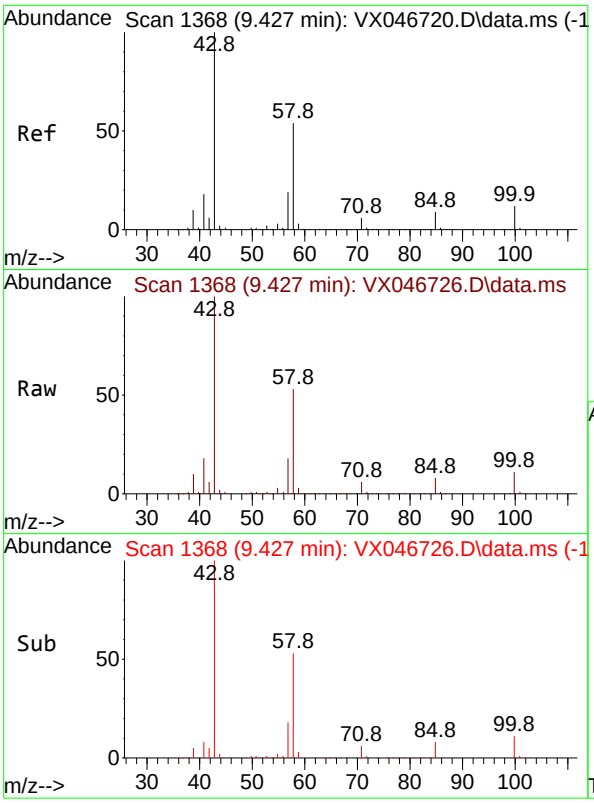




#58
2-Chloroethyl Vinyl ether
Concen: 279.922 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 63 Resp: 293709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.6 | 34.0 |

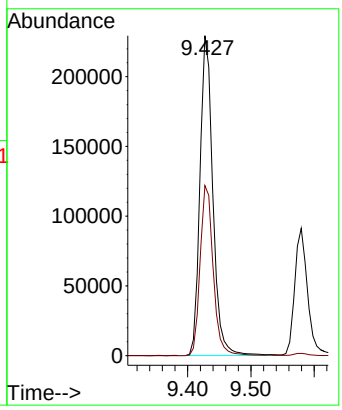





#59
2-Hexanone
Concen: 273.982 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 32656

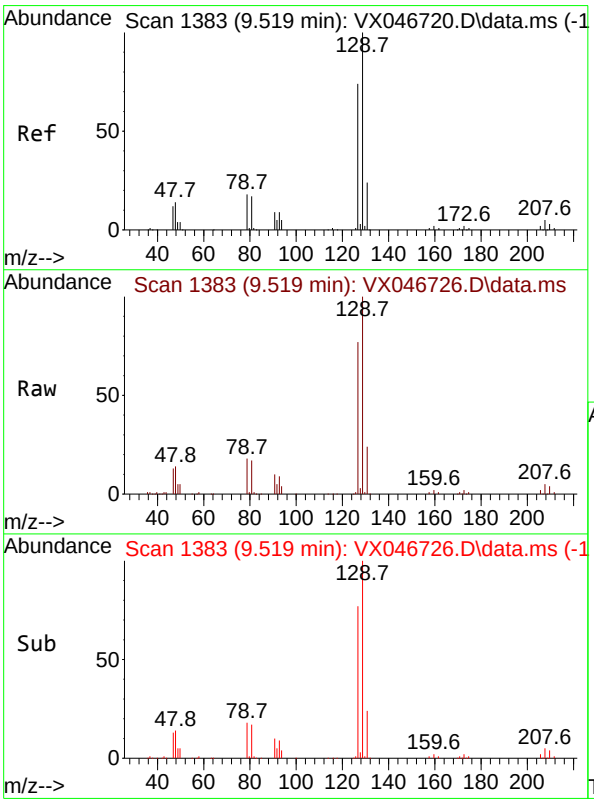
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.1 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

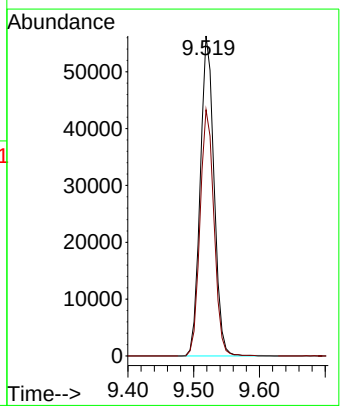
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

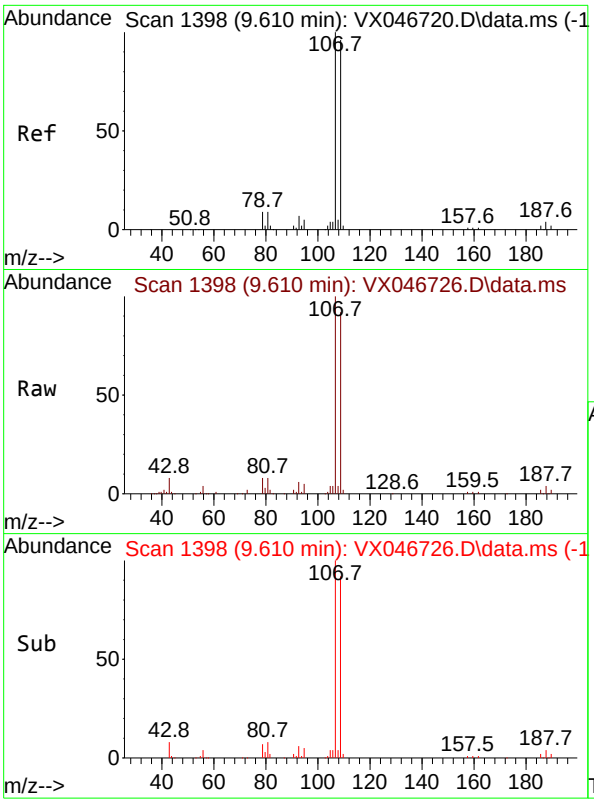



#60
Dibromochloromethane
Concen: 50.997 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:129 Resp: 82234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |

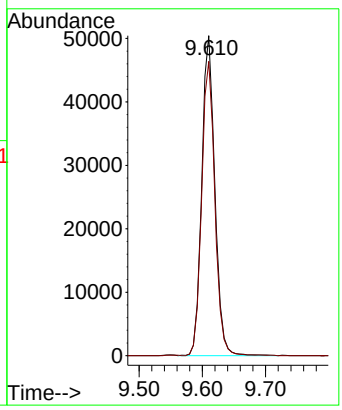





#61
1,2-Dibromoethane
Concen: 52.268 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:107 Resp: 7274

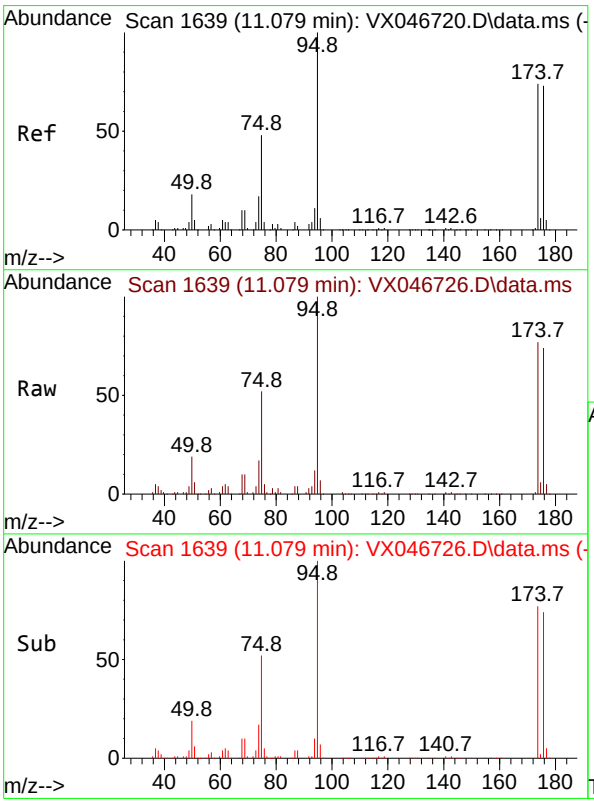
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

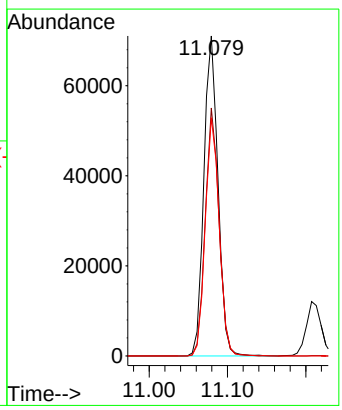
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

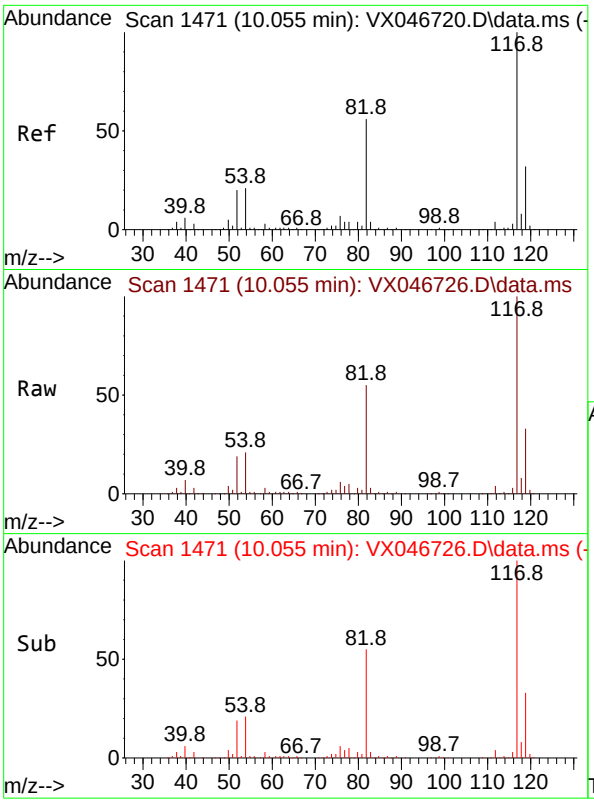



#62
4-Bromofluorobenzene
Concen: 47.712 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 95 Resp: 88588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 73.6 | 0.0 | 145.0 |

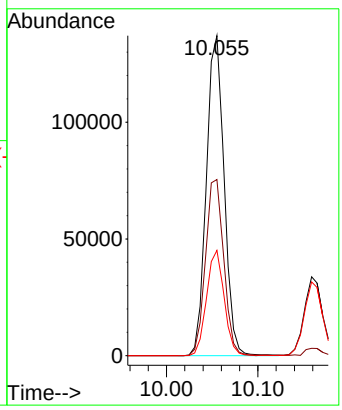





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:117 Resp: 18476

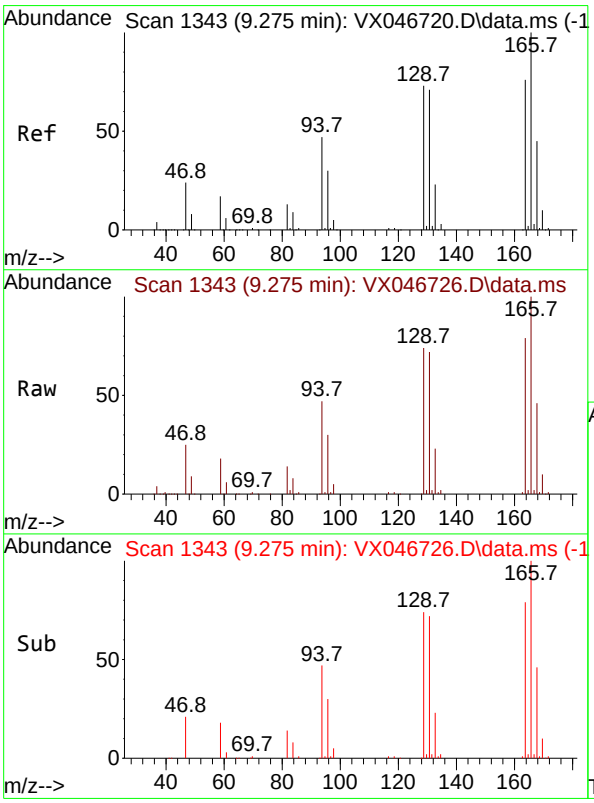
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 44.6 | 66.8 |
| 119 | 32.9 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

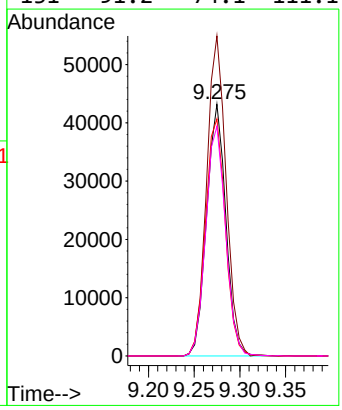
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

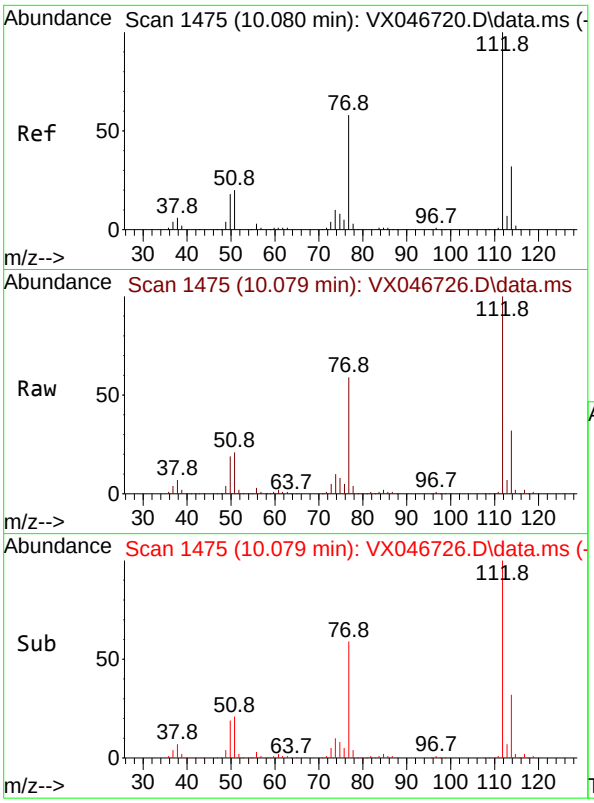



#64
Tetrachloroethene
Concen: 49.172 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:164 Resp: 62943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.1 | 104.6 | 157.0 |
| 129 | 94.2 | 76.3 | 114.5 |
| 131 | 91.2 | 74.1 | 111.1 |

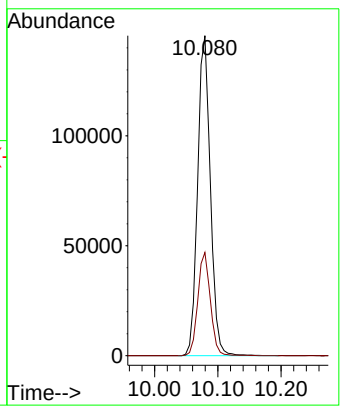





#65
Chlorobenzene
Concen: 50.006 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:112 Resp: 20394

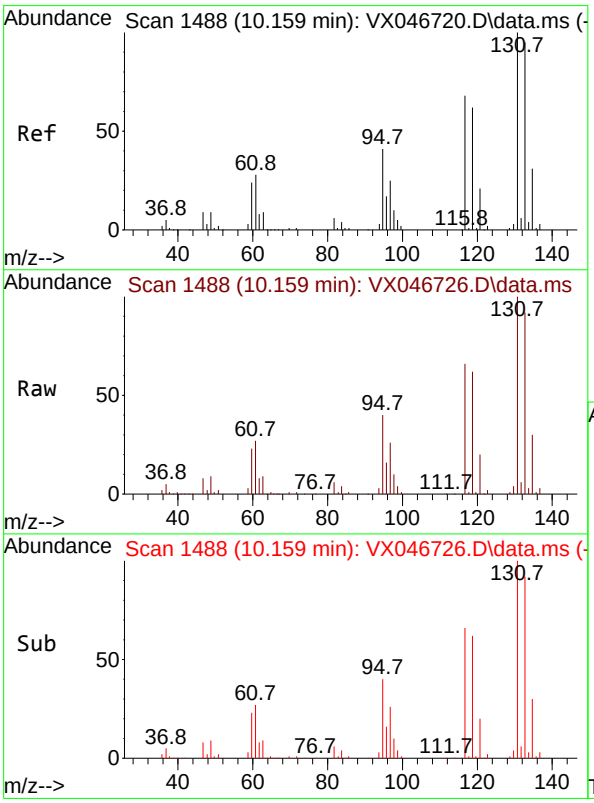
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

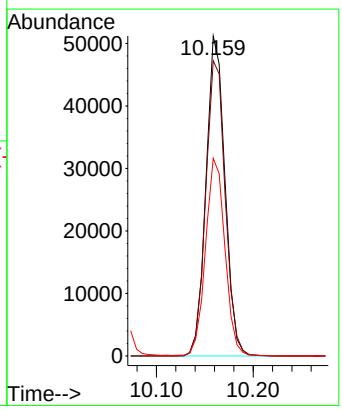
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

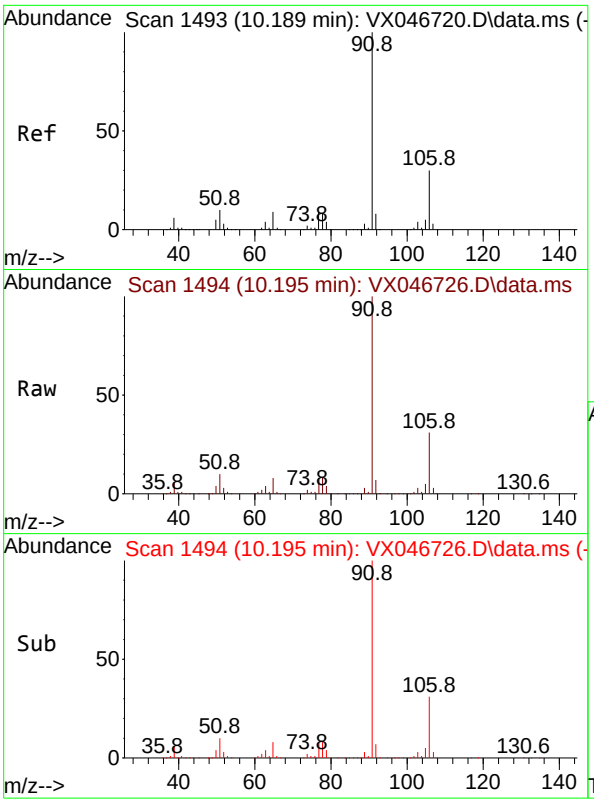



#66
1,1,1,2-Tetrachloroethane
Concen: 50.856 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:131 Resp: 69709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 141.8 |
| 119 | 63.5 | 32.1 | 96.3 |

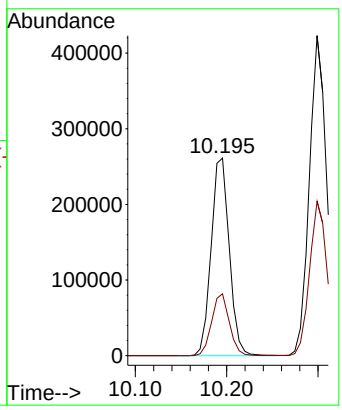





#67
Ethyl Benzene
Concen: 50.487 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 35977

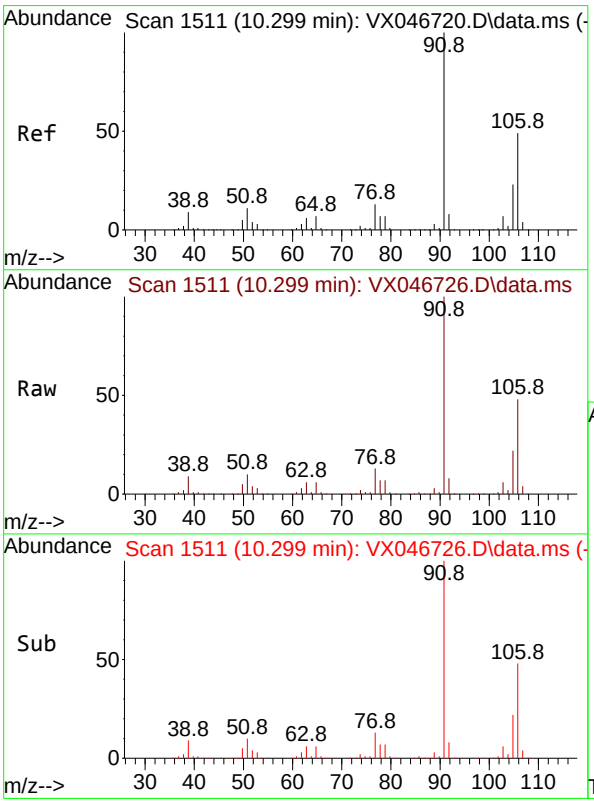
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.4 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

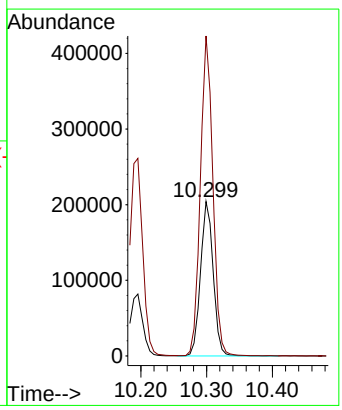
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

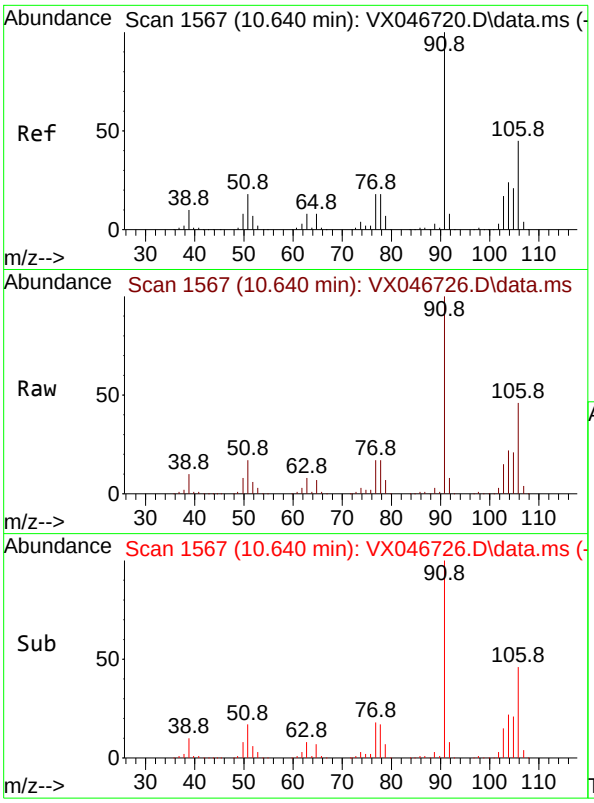



#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:106 Resp: 272935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 164.8 | 247.2 |

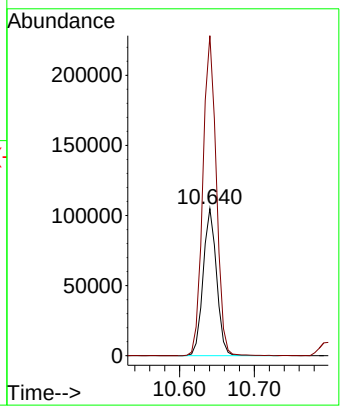





#69
o-Xylene
Concen: 52.635 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:106 Resp: 13098

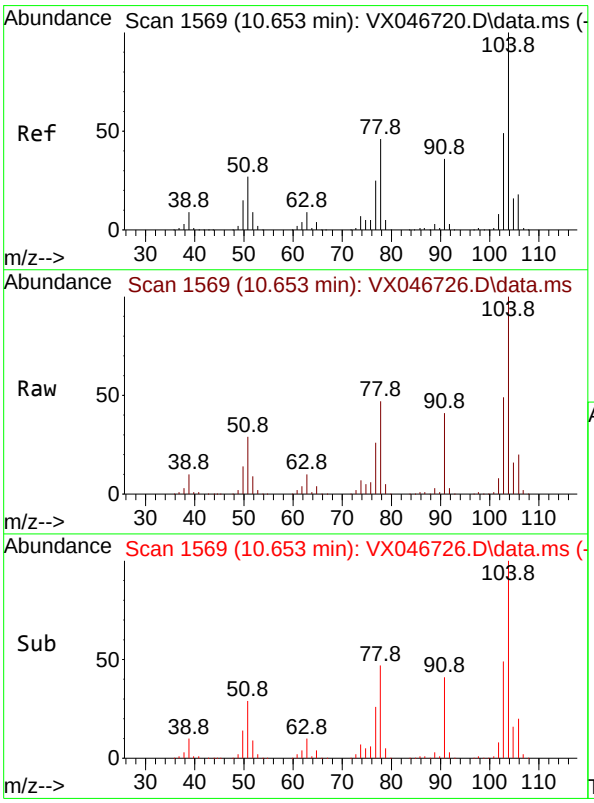
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

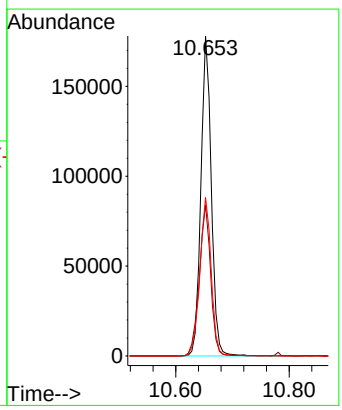
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

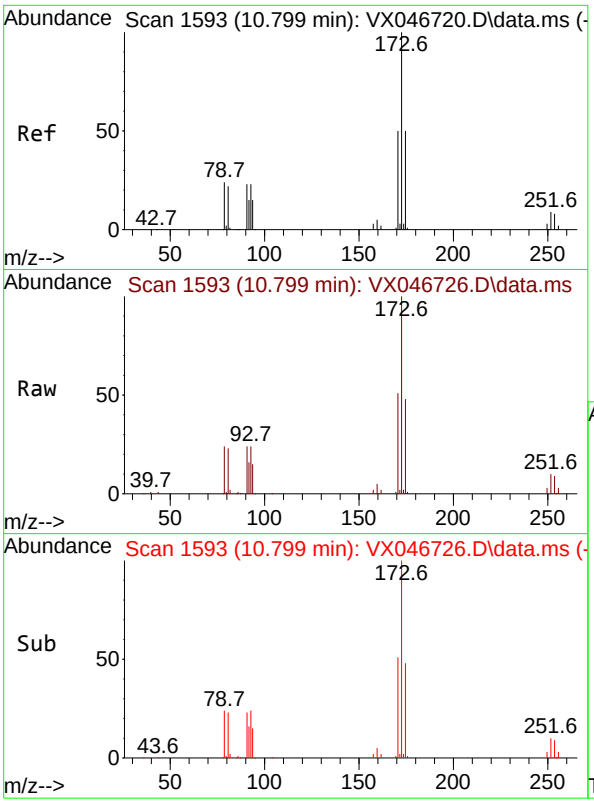



#70
Styrene
Concen: 52.139 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:104 Resp: 227060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.4 | 62.2 |
| 103 | 54.1 | 43.1 | 64.7 |

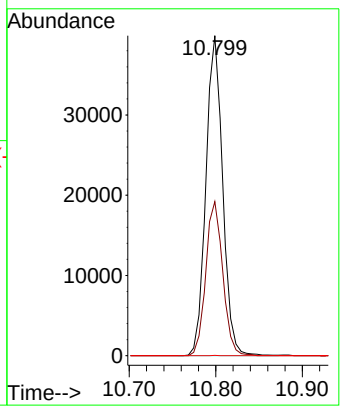





#71
Bromoform
Concen: 51.404 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:173 Resp: 5366

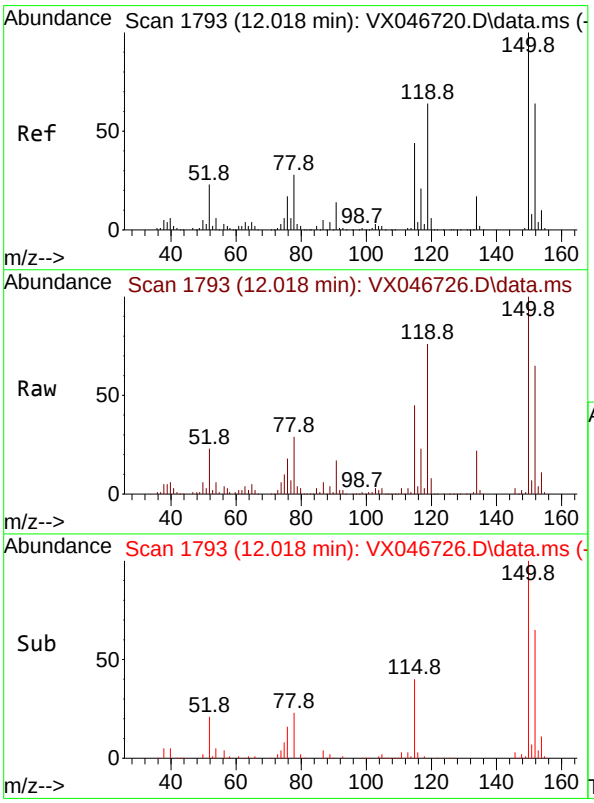
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

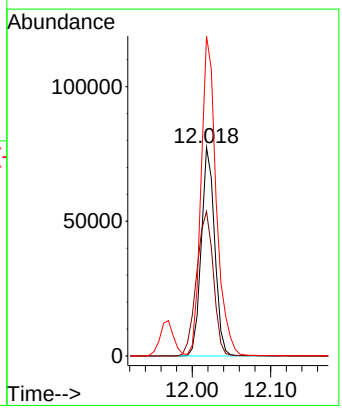
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

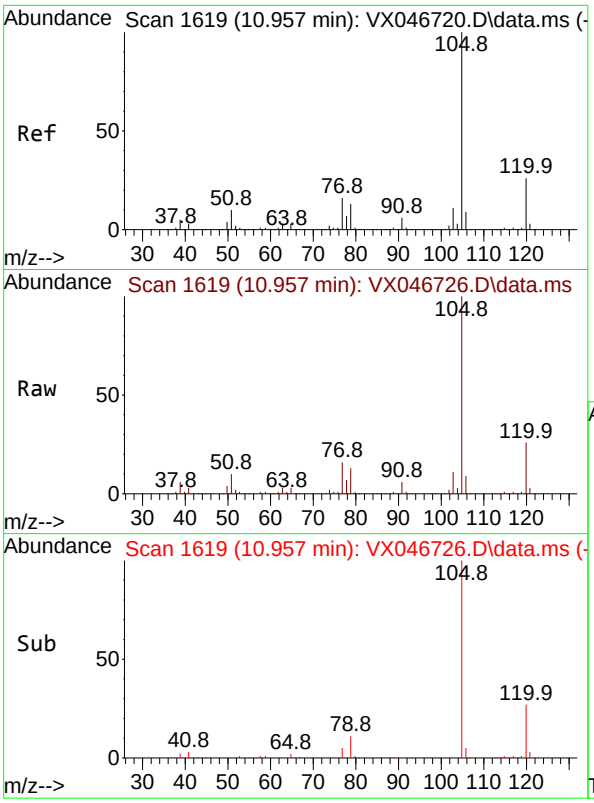



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:152 Resp: 91992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.9 | 43.2 | 129.6 |
| 150 | 174.0 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 51.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

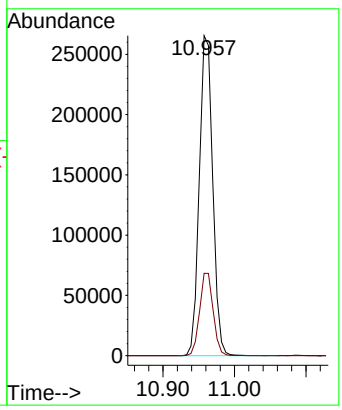
Tgt Ion:105 Resp: 34609

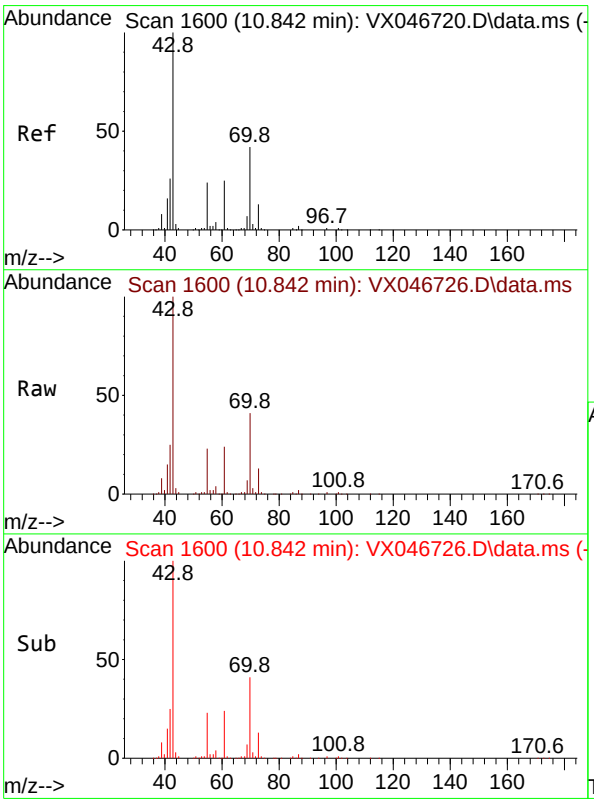
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

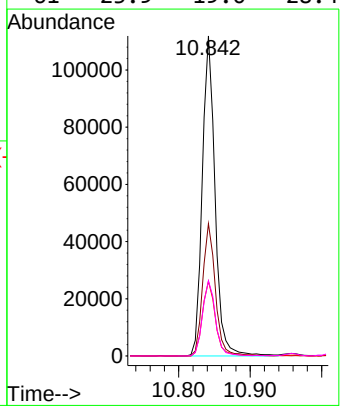


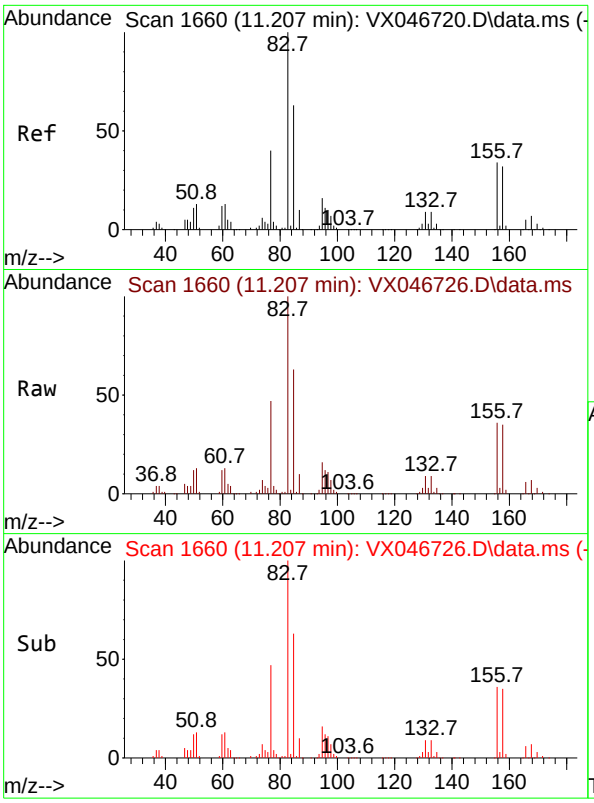




#74
N-amyl acetate
Concen: 54.107 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 138890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.5 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.9 | 19.0 | 28.4 |

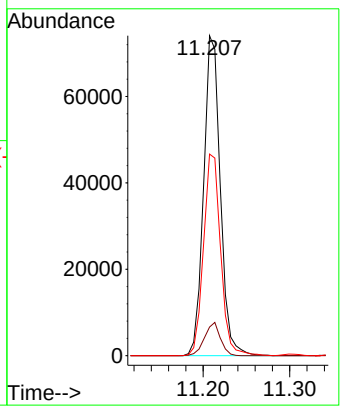





#75
1,1,2,2-Tetrachloroethane
Concen: 52.310 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 83 Resp: 9896

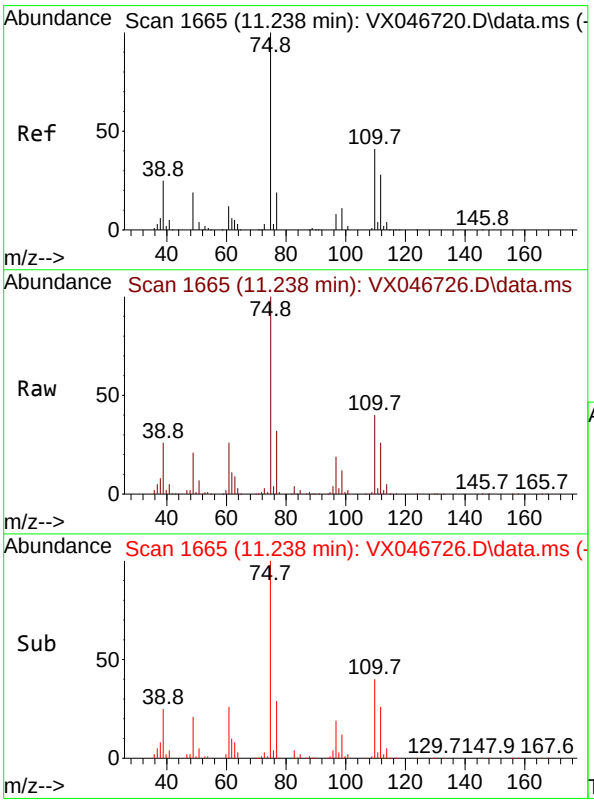
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.9 | 14.6 |
| 85 | 64.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

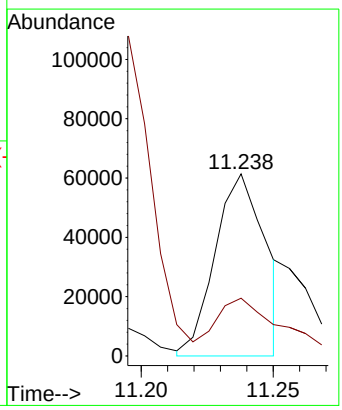
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

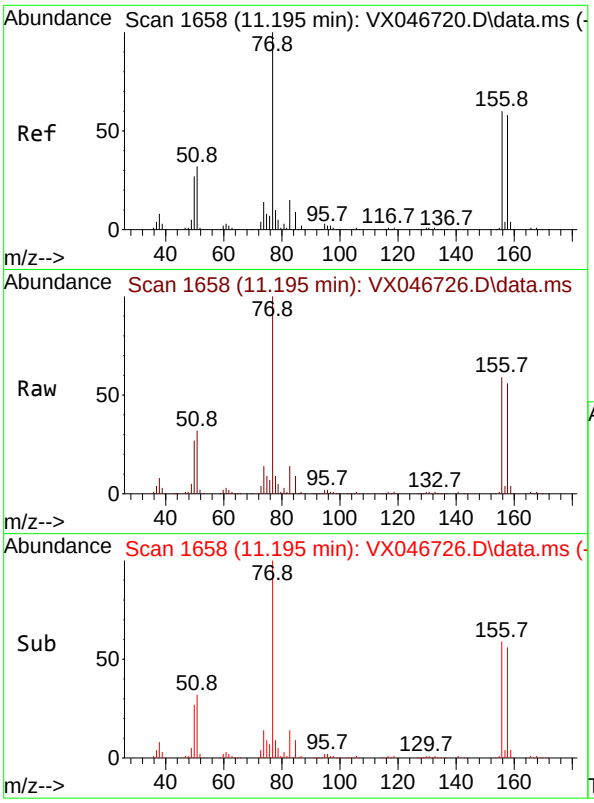



#76
1,2,3-Trichloropropane
Concen: 48.286 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 81355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.9 | 18.5 | 55.5 |

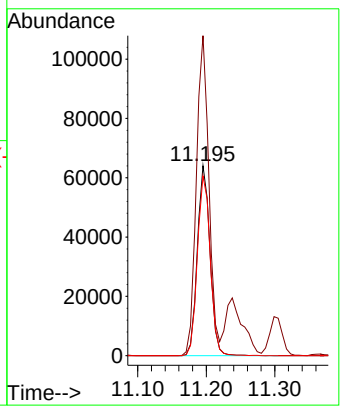





#77
Bromobenzene
Concen: 50.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:156 Resp: 8251

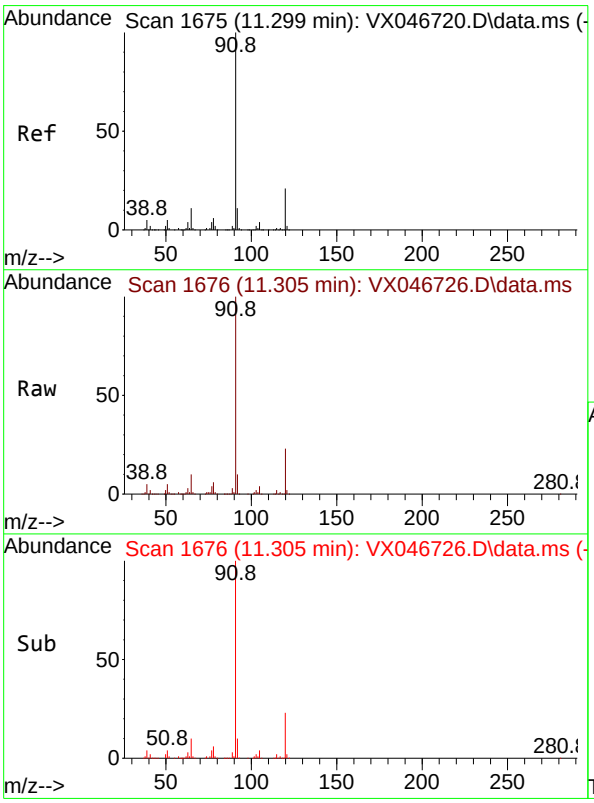
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.0 | 82.8 | 248.6 |
| 158 | 96.2 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

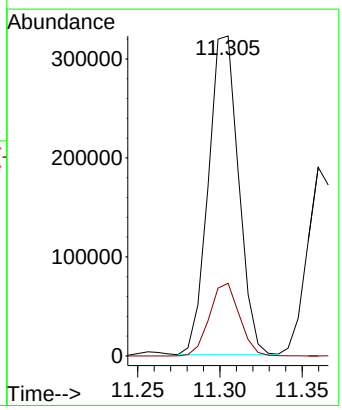
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

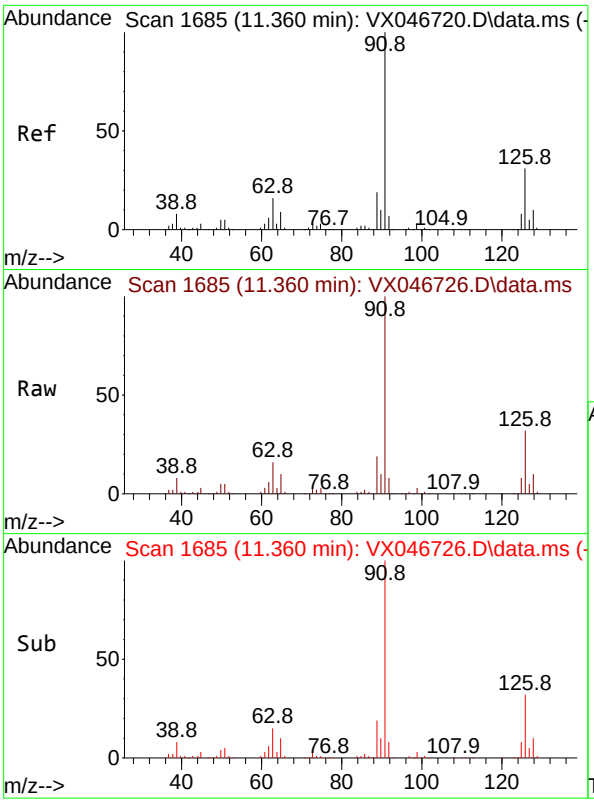



#78
n-propylbenzene
Concen: 51.240 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 412345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |

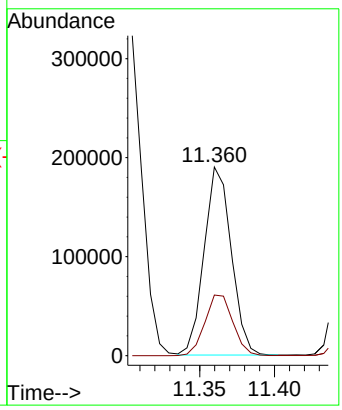





#79
2-Chlorotoluene
Concen: 49.931 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 23990

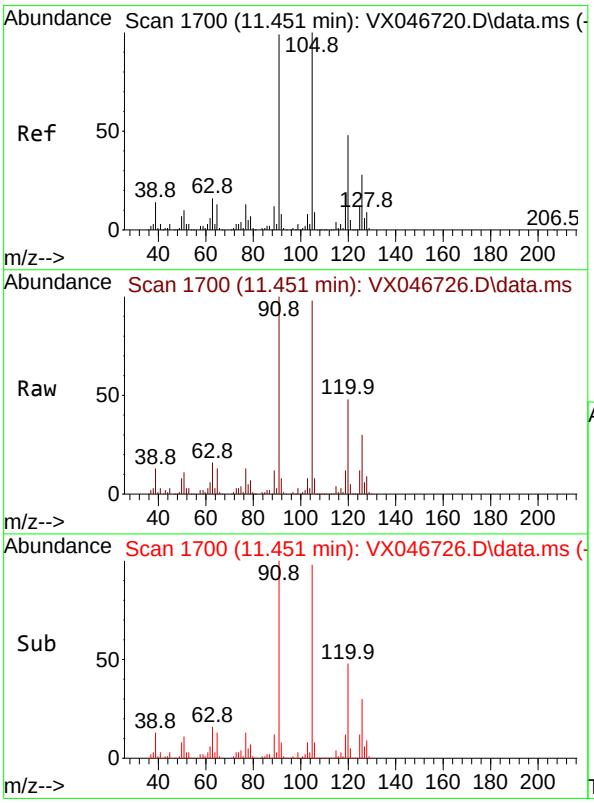
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

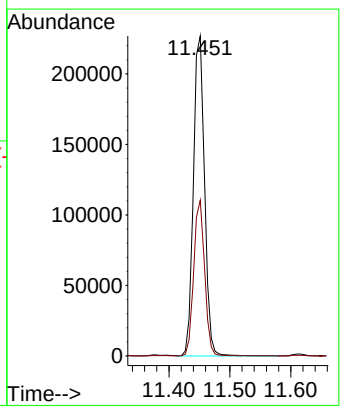
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

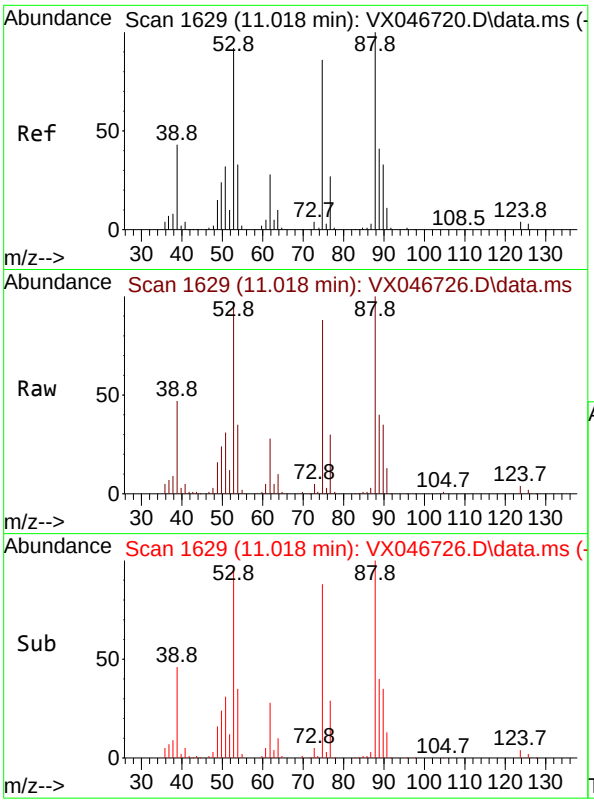



#80
1,3,5-Trimethylbenzene
Concen: 51.746 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:105 Resp: 288104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.1 | 72.2 |

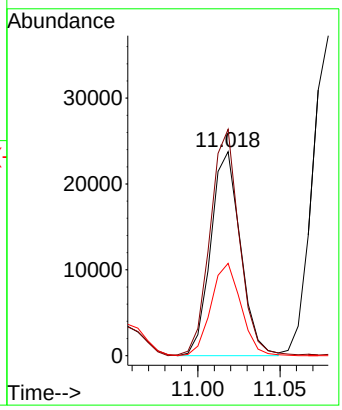





#81
trans-1,4-Dichloro-2-butene
Concen: 50.210 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 2992

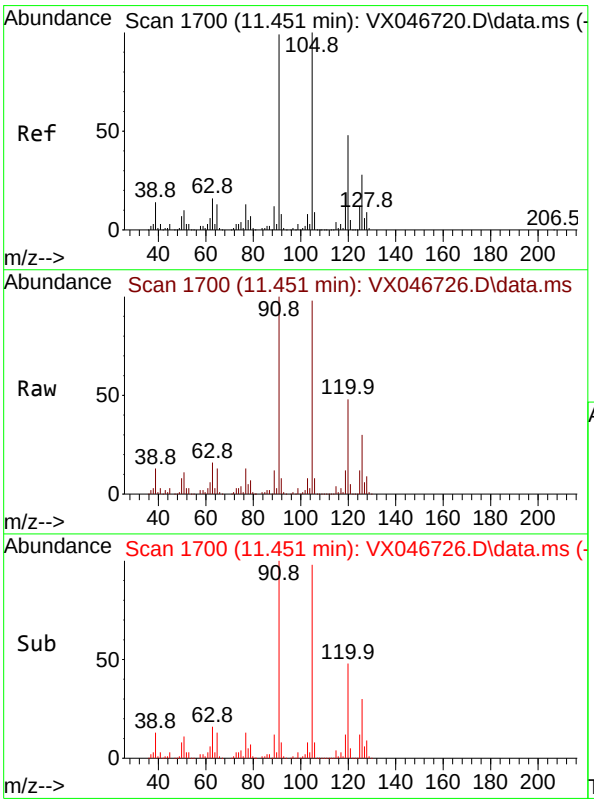
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.9 | 86.8 | 130.2 |
| 89 | 45.3 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

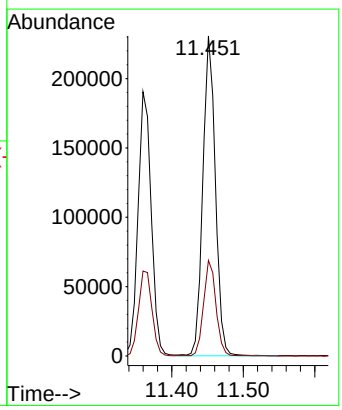
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

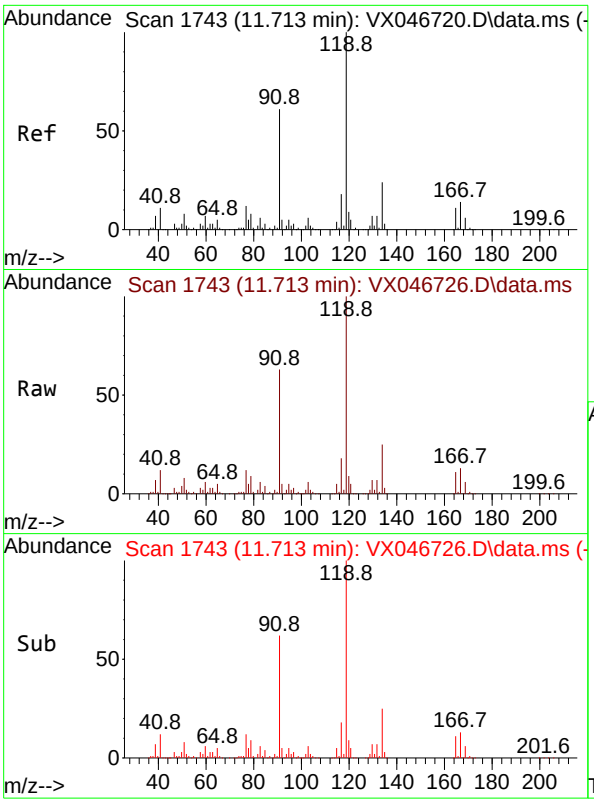



#82
4-Chlorotoluene
Concen: 50.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 280848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.8 | 14.4 | 43.2 |

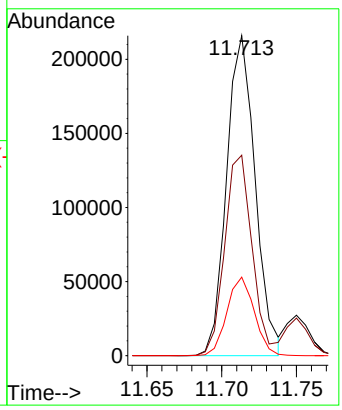





#83
tert-Butylbenzene
Concen: 49.958 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:119 Resp: 28751

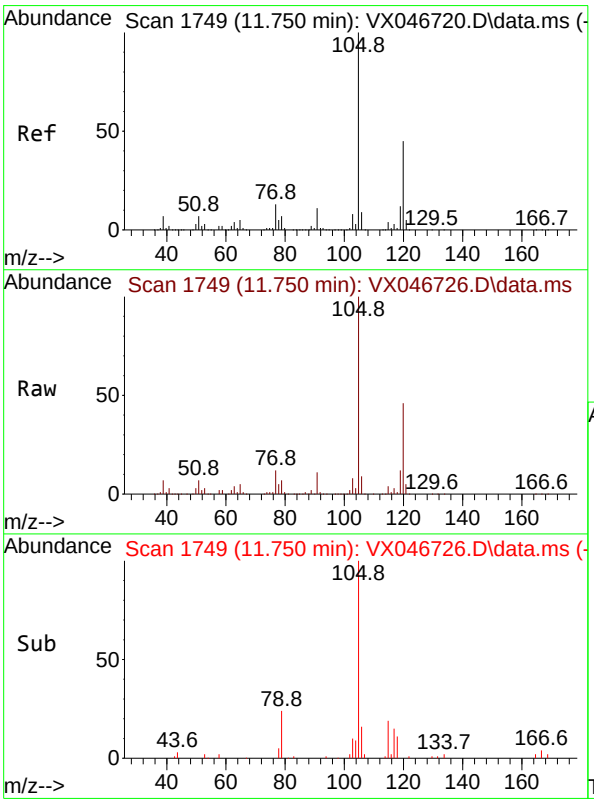
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.6 | 29.5 | 88.6 |
| 134 | 23.5 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

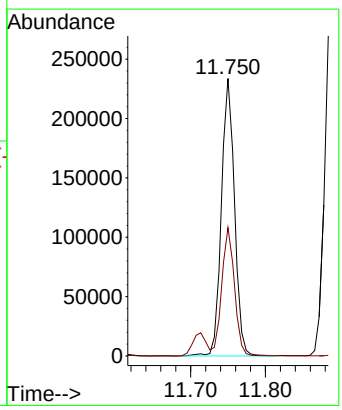
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

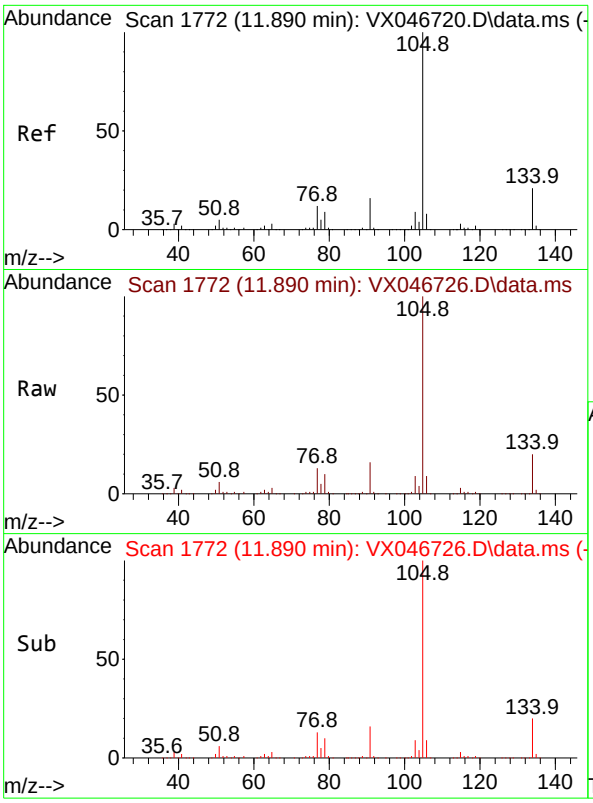



#84
1,2,4-Trimethylbenzene
Concen: 51.193 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:105 Resp: 286365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |

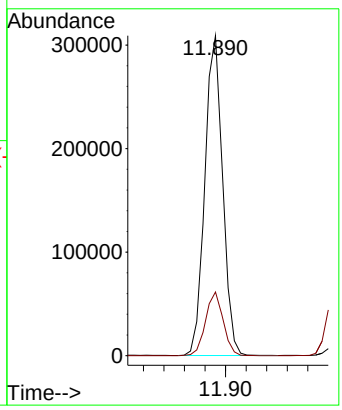





#85
sec-Butylbenzene
Concen: 51.079 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:105 Resp: 37152

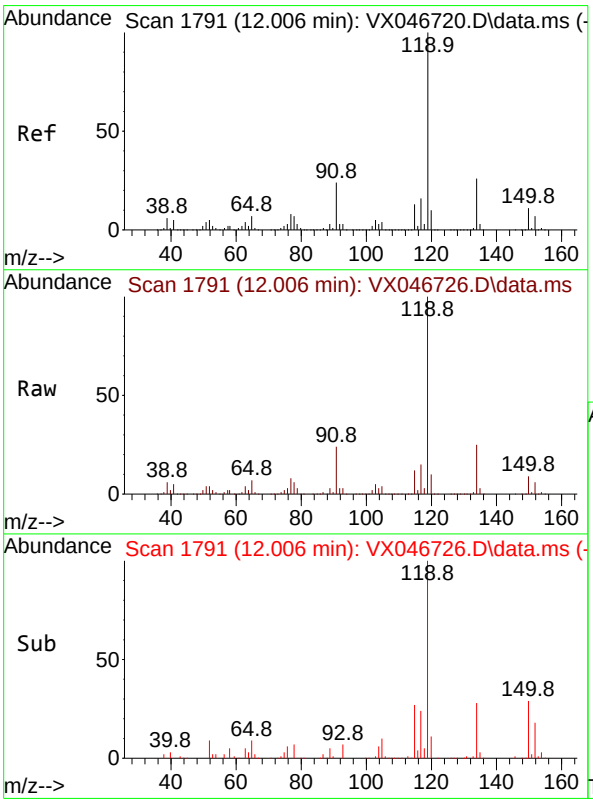
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

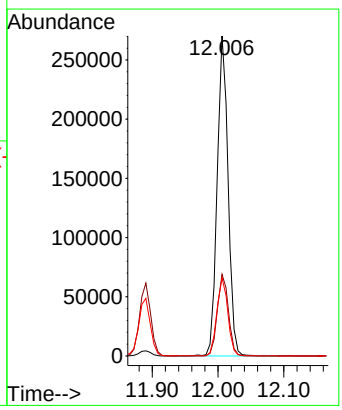
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

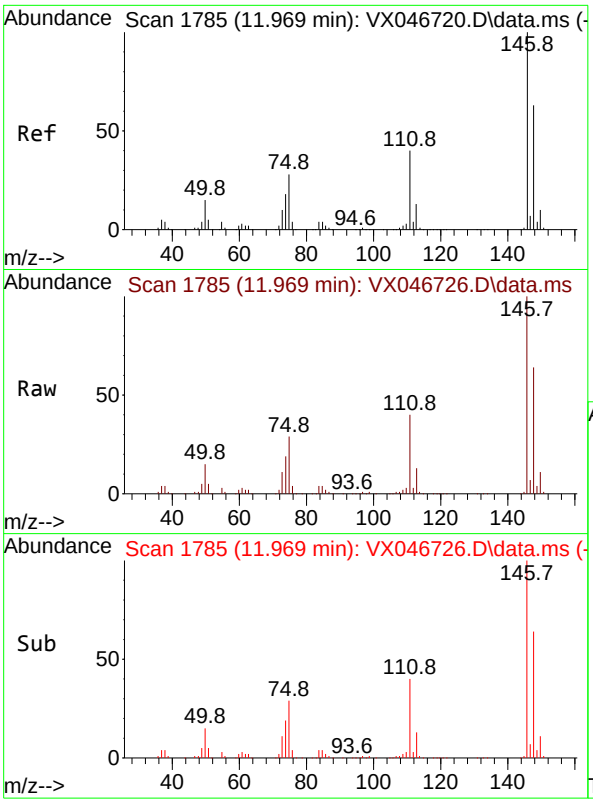



#86
p-Isopropyltoluene
Concen: 50.791 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:119 Resp: 311698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |

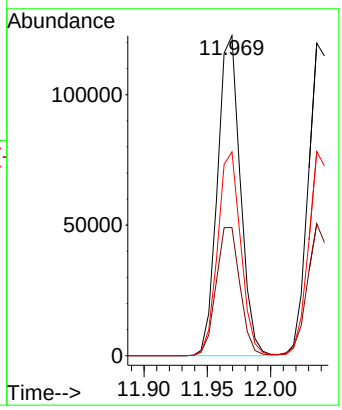





#87
1,3-Dichlorobenzene
Concen: 48.501 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:146 Resp: 15418

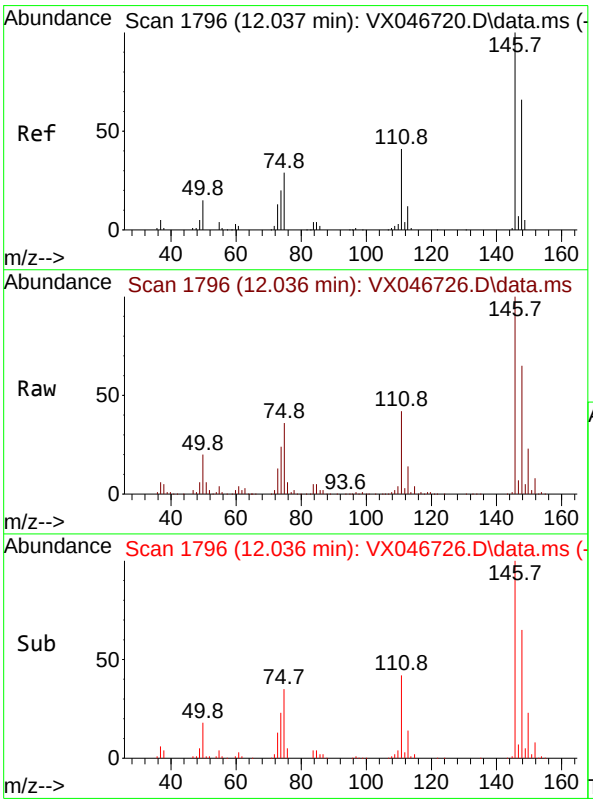
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.6 | 61.8 |
| 148 | 64.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

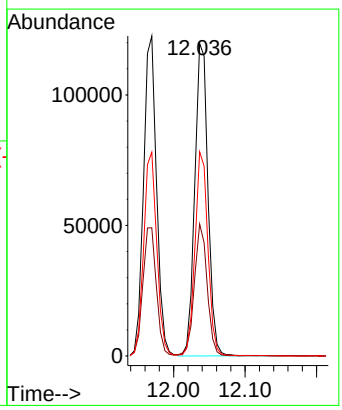
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

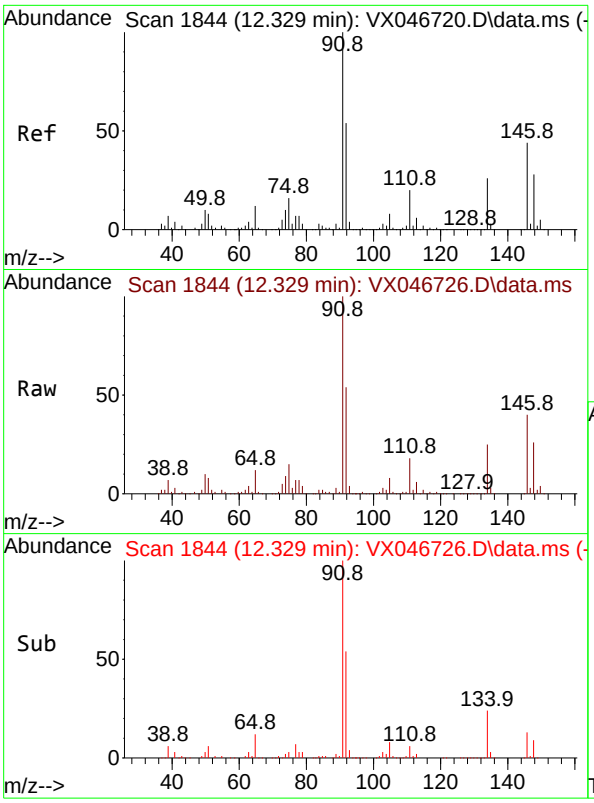



#88
1,4-Dichlorobenzene
Concen: 46.906 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:146 Resp: 153158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 61.0 |
| 148 | 64.0 | 32.1 | 96.5 |

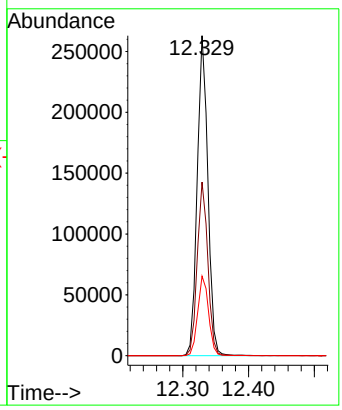





#89
n-Butylbenzene
Concen: 50.829 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 29617

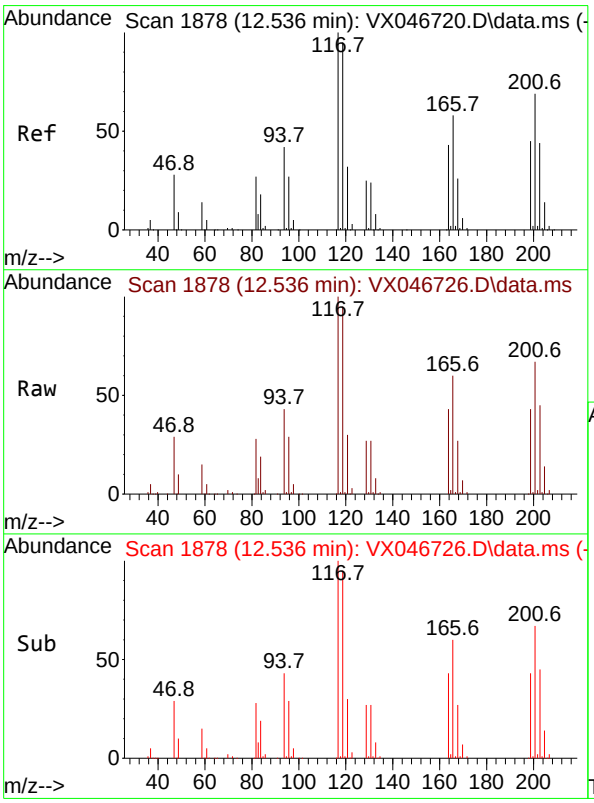
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.4 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

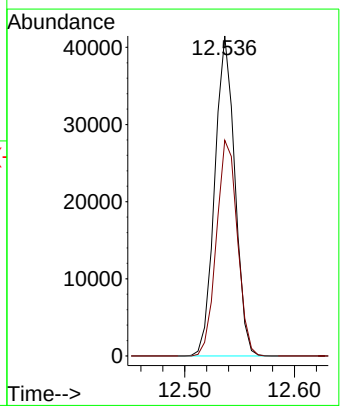
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

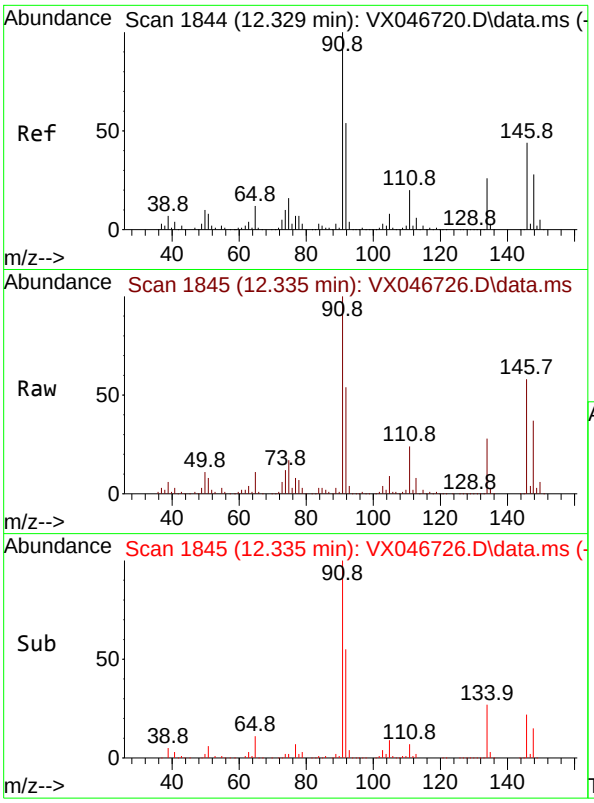



#90
Hexachloroethane
Concen: 49.161 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:117 Resp: 52831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.3 | 34.4 | 103.3 |

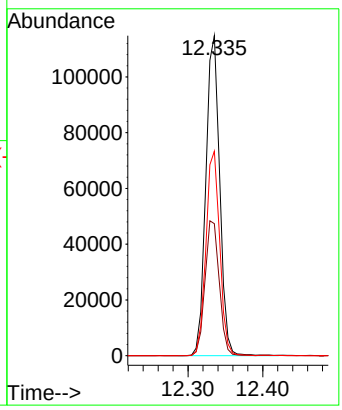





#91
1,2-Dichlorobenzene
Concen: 49.672 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:146 Resp: 14756

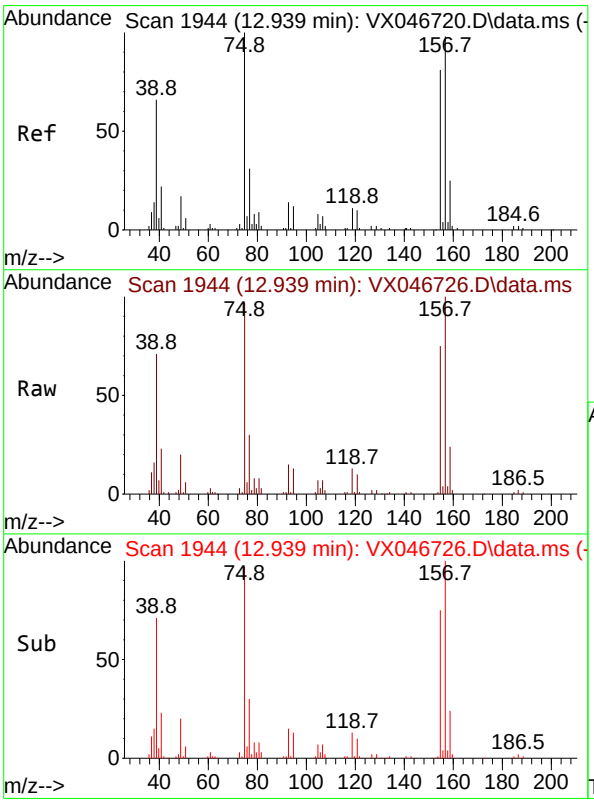
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

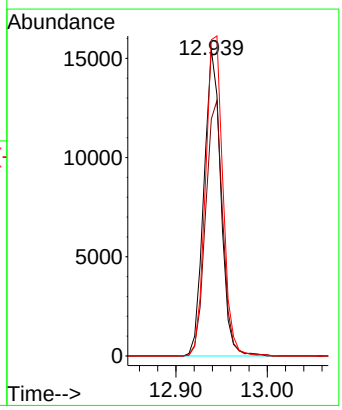
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

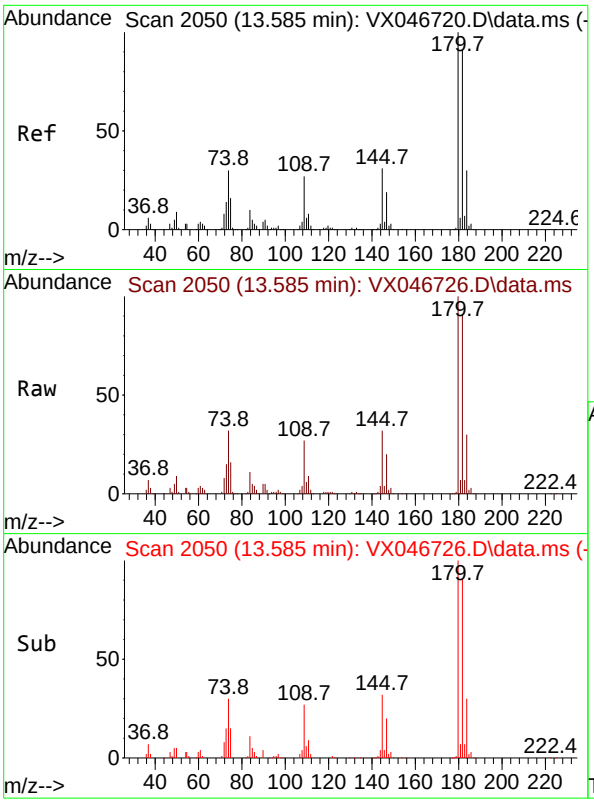



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.151 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 19851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.6 | 41.9 | 125.7 |
| 157 | 107.2 | 51.4 | 154.3 |

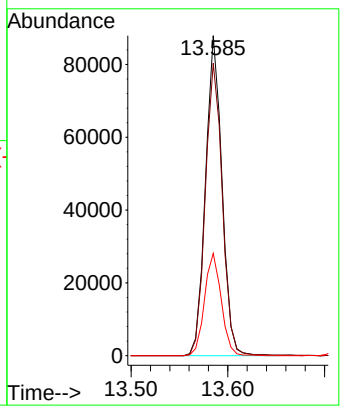





#93
1,2,4-Trichlorobenzene
Concen: 49.369 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:180 Resp: 10426

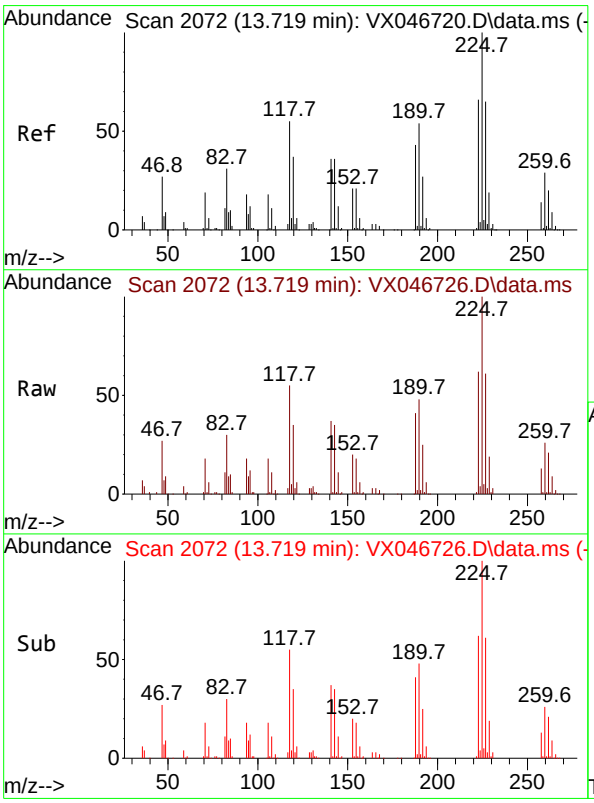
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 46.7 | 140.1 |
| 145 | 32.5 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations**
**APPROVED**

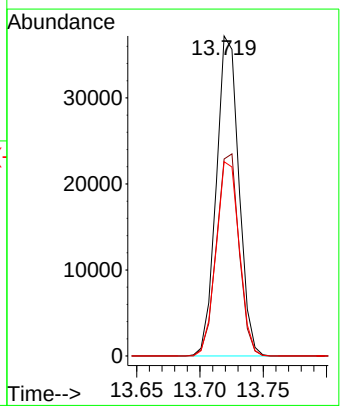
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

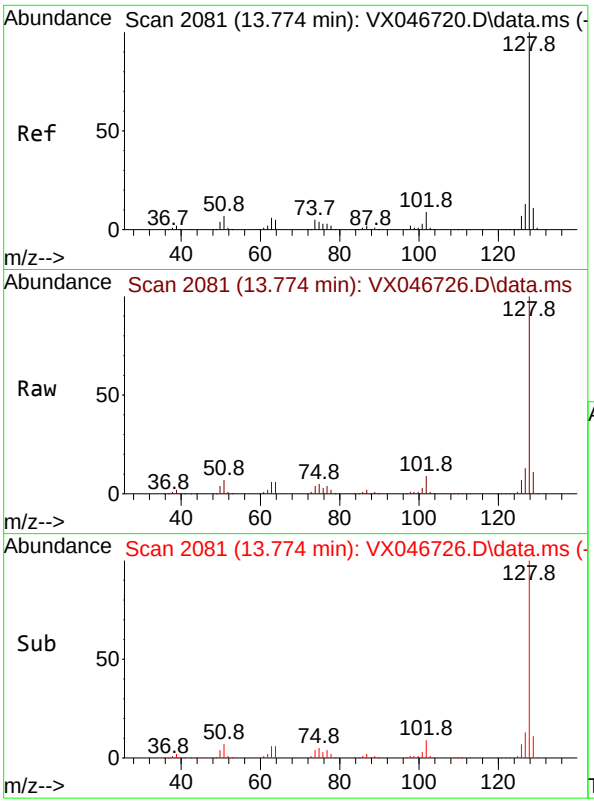



#94
Hexachlorobutadiene
Concen: 51.729 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:225 Resp: 45958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 32.5 | 97.5 |
| 227 | 62.5 | 32.2 | 96.6 |

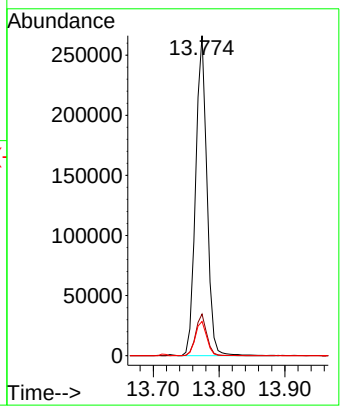





#95
Naphthalene
Concen: 52.462 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:128 Resp: 31566

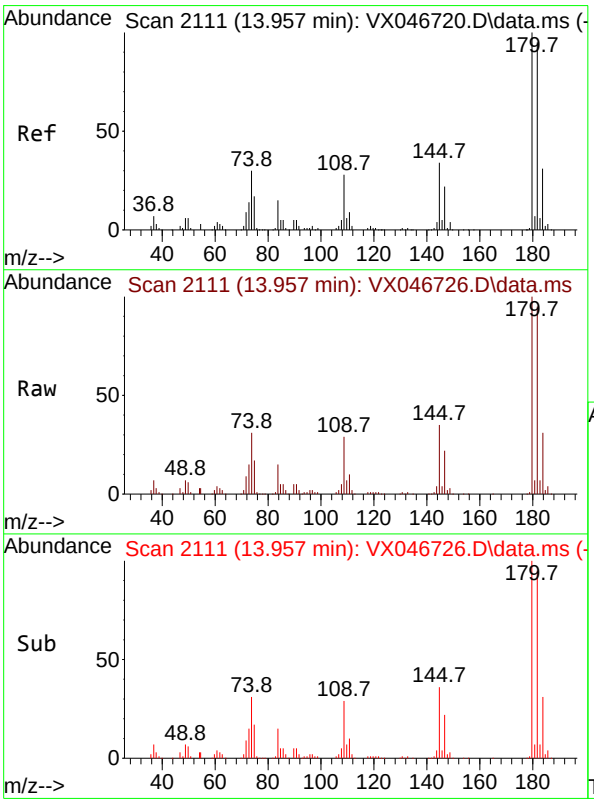
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

**Manual Integrations APPROVED**

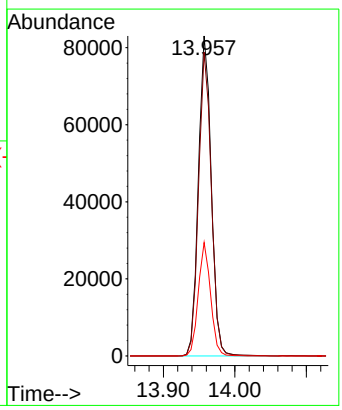
Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 51.200 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:180 Resp: 103451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.8 | 143.4 |
| 145 | 33.9 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.585 | -9.6 | 105 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.592 | -2.8 | 105 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.636 | -3.6# | 105 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.379 | -9.5 | 108 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.387 | -4.0 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.958 | -2.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.329 | -2.8 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.585 | -2.3 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.652 | -1.6 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.063 | -1.6 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.574 | -4.0# | 106 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.092 | -2.2 | 111 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 1.019 | -1.8 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.291 | -4.3 | 107 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.227 | 1.7 | 108 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.591 | 4.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.620 | -5.8 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.754 | -2.0 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.625 | 2.5 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.595 | -0.7 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.996 | -3.8 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.618 | -5.8 | 106 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.103 | -1.0 | 106 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.345 | -5.8 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.806 | -1.3 | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.694 | 0.0 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.498 | -0.6 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.222 | -5.2 | 107 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.116 | -2.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 1.024 | 1.2 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.959 | -0.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.632 | 8.7 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.318 | 3.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.478 | 0.0 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.453 | -2.7 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.522 | -0.8 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.630 | -0.3 | 103 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.452 | -2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.260 | -10.6 | 112 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.506 | -1.8 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.743 | -7.7 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.367 | -1.9 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.357 | -2.0# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.258 | -2.4 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.529 | -2.9 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.381 | -10.1 | 105 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 0.004 | 0.005 | -25.0 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.130 | 5.0 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.449 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.898 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.503 | -5.5 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.561 | -3.7 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.338 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.523 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.581 | -3.4 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.280 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.312 | -9.9 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.392 | -1.8 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.347 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.423 | 4.5 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.341 | 1.4 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.104 | 0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.377 | -1.6 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.947 | -0.9# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.739 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.709 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.229 | -4.2 | 105 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.290 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.762 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.510 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 1.076 | -4.7 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.884 | 3.5 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.897 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.482 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.608 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 3.132 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.325 | -0.3 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.053 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.125 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 3.113 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 4.039 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.388 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.676 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.665 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.220 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.574 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.604 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.216 | -6.4 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.133 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.500 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.431 | -4.9 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 1.098 | 1.125 | -2.5 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 54.798 | -9.6 | 105 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.393 | -2.8 | 105 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.768 | -3.5# | 105 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.831 | -9.7 | 108 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.911 | -3.8 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.363 | -2.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.316 | -2.6 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.089 | -2.2 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.861 | 8.3 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 251.888 | -0.8 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.945 | -3.9# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 254.972 | -2.0 | 111 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.922 | -1.8 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 260.219 | -4.1 | 107 | 0.00 |
| 16 | T | Acetone | 250.000 | 246.347 | 1.5 | 108 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.710 | 4.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.909 | -5.8 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.008 | -2.0 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.696 | 2.6 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.375 | -0.8 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.890 | -3.8 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 264.451 | -5.8 | 106 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.502 | -1.0 | 106 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 264.542 | -5.8 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.629 | -1.3 | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.003 | -0.0 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.308 | -0.6 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 263.836 | -5.5 | 107 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.089 | -2.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.462 | 1.1 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.042 | -0.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.697 | 8.6 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.072 | 3.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.088 | -0.2 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.401 | -2.8 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.403 | -0.8 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.155 | -0.3 | 103 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.385 | -2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.341 | -10.7 | 112 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.970 | -1.9 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.888 | -7.8 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.000 | -2.0 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.940 | -1.9# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.329 | -2.7 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.479 | -3.0 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.091 | -10.2 | 105 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 964.253 | 3.6 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.537 | 4.9 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 272.916 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.237 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.785 | -5.6 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.813 | -3.6 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.698 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.266 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.625 | -3.3 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 279.922 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.982 | -9.6 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.997 | -2.0 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.268 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.712 | 4.6 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.172 | 1.7 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.006 | -0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.856 | -1.7 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.487 | -1.0# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.789 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.635 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.139 | -4.3 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.404 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.083 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.107 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.310 | -4.6 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.286 | 3.4 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.611 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.240 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.931 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.746 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.210 | -0.4 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.085 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.958 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.193 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.079 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.791 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.501 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.906 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.829 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.161 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.672 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.151 | -6.3 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.369 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.729 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.462 | -4.9 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 51.200 | -2.4 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.534 | 0.573 | | 7.3 | 20 |
| Chloromethane | 0.576 | 0.583 | 0.1 | 1.22 | 20 |
| Vinyl Chloride | 0.614 | 0.631 | | 2.77 | 20 |
| Bromomethane | 0.346 | 0.376 | | 8.67 | 20 |
| Chloroethane | 0.372 | 0.378 | | 1.61 | 20 |
| Trichlorofluoromethane | 0.933 | 0.941 | | 0.86 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.572 | 0.586 | | 2.45 | 20 |
| 1,1-Dichloroethene | 0.552 | 0.558 | | 1.09 | 20 |
| Acetone | 0.231 | 0.225 | | -2.6 | 20 |
| Carbon Disulfide | 1.668 | 1.541 | | -7.61 | 20 |
| Methyl tert-butyl Ether | 1.720 | 1.613 | | -6.22 | 20 |
| Methyl Acetate | 0.586 | 0.525 | | -10.41 | 20 |
| Methylene Chloride | 0.641 | 0.606 | | -5.46 | 20 |
| trans-1,2-Dichloroethene | 0.591 | 0.568 | | -3.89 | 20 |
| 1,1-Dichloroethane | 1.092 | 1.053 | 0.1 | -3.57 | 20 |
| Cyclohexane | 1.036 | 0.970 | | -6.37 | 20 |
| 2-Butanone | 0.326 | 0.284 | | -12.88 | 20 |
| Carbon Tetrachloride | 0.518 | 0.493 | | -4.83 | 20 |
| cis-1,2-Dichloroethene | 0.694 | 0.660 | | -4.9 | 20 |
| Bromochloromethane | 0.495 | 0.530 | | 7.07 | 20 |
| Chloroform | 1.092 | 1.057 | | -3.2 | 20 |
| 1,1,1-Trichloroethane | 0.958 | 0.905 | | -5.53 | 20 |
| Methylcyclohexane | 0.628 | 0.608 | | -3.18 | 20 |
| Benzene | 1.413 | 1.368 | | -3.18 | 20 |
| 1,2-Dichloroethane | 0.497 | 0.472 | | -5.03 | 20 |
| Trichloroethene | 0.360 | 0.347 | | -3.61 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.339 | | -3.14 | 20 |
| Bromodichloromethane | 0.514 | 0.499 | | -2.92 | 20 |
| 4-Methyl-2-Pentanone | 0.411 | 0.374 | | -9 | 20 |
| Toluene | 0.876 | 0.844 | | -3.65 | 20 |
| t-1,3-Dichloropropene | 0.477 | 0.472 | | -1.05 | 20 |
| cis-1,3-Dichloropropene | 0.541 | 0.535 | | -1.11 | 20 |
| 1,1,2-Trichloroethane | 0.327 | 0.309 | | -5.51 | 20 |
| 2-Hexanone | 0.284 | 0.256 | | -9.86 | 20 |
| Dibromochloromethane | 0.385 | 0.367 | | -4.68 | 20 |
| 1,2-Dibromoethane | 0.332 | 0.316 | | -4.82 | 20 |
| Tetrachloroethene | 0.346 | 0.324 | | -6.36 | 20 |
| Chlorobenzene | 1.104 | 1.038 | 0.3 | -5.98 | 20 |

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.929 | 1.848 | | -4.2 | 20 |
| m/p-Xylenes | 0.719 | 0.689 | | -4.17 | 20 |
| o-Xylene | 0.673 | 0.658 | | -2.23 | 20 |
| Styrene | 1.179 | 1.139 | | -3.39 | 20 |
| Bromoform | 0.282 | 0.268 | 0.1 | -4.97 | 20 |
| Isopropylbenzene | 3.682 | 3.646 | | -0.98 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.028 | 0.964 | 0.3 | -6.23 | 20 |
| 1,3-Dichlorobenzene | 1.728 | 1.613 | | -6.66 | 20 |
| 1,4-Dichlorobenzene | 1.775 | 1.625 | | -8.45 | 20 |
| 1,2-Dichlorobenzene | 1.615 | 1.544 | | -4.4 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.203 | 0.180 | | -11.33 | 20 |
| 1,2,4-Trichlorobenzene | 1.148 | 1.075 | | -6.36 | 20 |
| 1,2,3-Trichlorobenzene | 1.098 | 1.054 | | -4.01 | 20 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.676 | | -2.31 | 20 |
| Dibromofluoromethane | 0.331 | 0.340 | | 2.72 | 20 |
| Toluene-d8 | 1.189 | 1.202 | | 1.09 | 20 |
| 4-Bromofluorobenzene | 0.443 | 0.443 | | 0 | 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\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 153144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 247293 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 216990 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104970 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 103522 | 48.871 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.740% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 83969 | 51.320 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.640% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 297216 | 50.561 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 109436 | 49.942 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 87825 | 53.715 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 89297 | 50.600 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 96582 | 51.321 | ug/l | 96 |
| 5) Bromomethane | 1.617 | 94 | 57643 | 54.442 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 57854 | 50.722 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 144094 | 50.427 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 49001 | 49.967 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 89694 | 51.165 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 99988 | 45.950 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 37552 | 197.513 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 85474 | 50.530 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 67813 | 244.874 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 148825 | 48.559 | ug/l | 100 |
| 15) Acrylonitrile | 3.068 | 53 | 197165 | 230.626 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 172637 | 244.395 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 236030 | 46.207 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 80342 | 44.781 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 247062 | 46.907 | ug/l | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 92732 | 47.205 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 87048 | 48.093 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 289920 | 49.215 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 1142249 | 243.835 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 161335 | 48.236 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 217618 | 217.827 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 122642 | 50.275 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 101031 | 47.512 | ug/l | 99 |
| 28) Bromochloromethane | 4.903 | 49 | 81116 | 53.494 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 141562 | 219.377 | ug/l | 100 |
| 30) Chloroform | 5.099 | 83 | 161817 | 48.377 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 148538 | 46.830 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 138647 | 47.262 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 114107 | 48.312 | ug/l | 100 |
| 37) Ethyl Acetate | 4.714 | 43 | 96161 | 44.108 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 121848 | 47.537 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 150437 | 48.402 | ug/l | 99 |
| 40) Benzene | 6.043 | 78 | 338410 | 48.414 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 57085 | 49.115 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 116628 | 47.481 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 157598 | 46.196 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 85692 | 48.105 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 83732 | 48.335 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 59103 | 47.472 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 123442 | 48.587 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 80965 | 47.322 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.653 | 88 | 20224 | 817.840 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 462115 | 227.118 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 208762 | 48.176 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 116724 | 49.516 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 132187 | 49.396 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 76422 | 47.325 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 112902 | 47.362 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 128820 | 46.323 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 319370 | 257.912 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 316244 | 224.819 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 90703 | 47.662 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 78054 | 47.518 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 70305 | 46.765 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 225160 | 47.007 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 76955 | 47.803 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 401054 | 47.920 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 299077 | 95.905 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 142872 | 48.886 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 247158 | 48.325 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 58162 | 47.441 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 382718 | 49.504 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 141644 | 48.357 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101190 | 46.876 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 94587m | 49.199 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 90654 | 48.728 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 454356 | 49.480 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 264018 | 48.156 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 313670 | 49.373 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 31219 | 45.899 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 310790 | 48.572 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 321103 | 48.896 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313812 | 49.164 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 409901 | 49.388 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 340046 | 48.559 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 169284 | 46.668 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 170550 | 45.774 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 326557 | 49.115 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 58749 | 47.909 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 162062 | 47.808 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18854 | 44.240 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 112879 | 46.839 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 50342 | 49.658 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 321689 | 46.852 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 110625 | 47.981 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

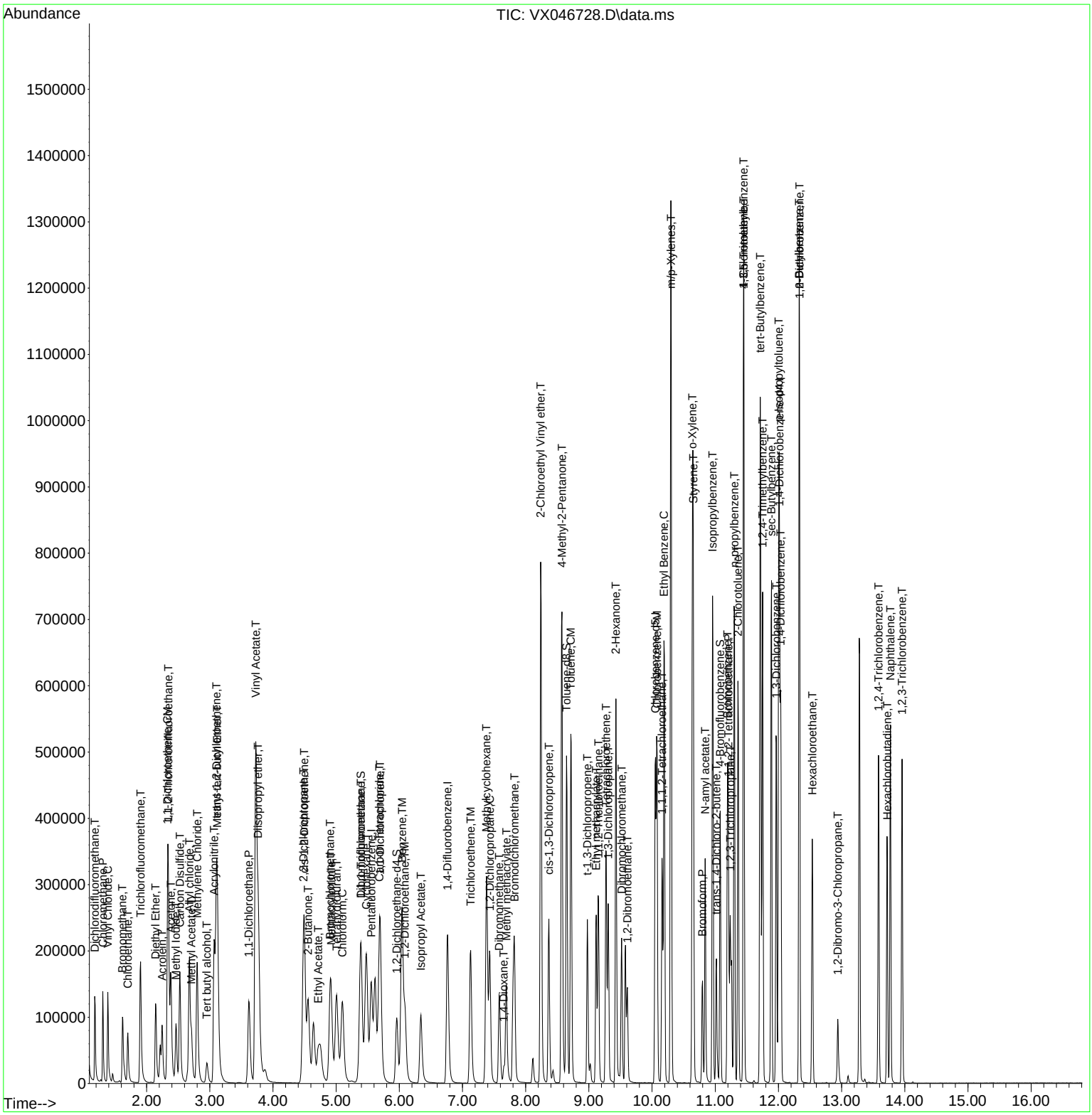
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

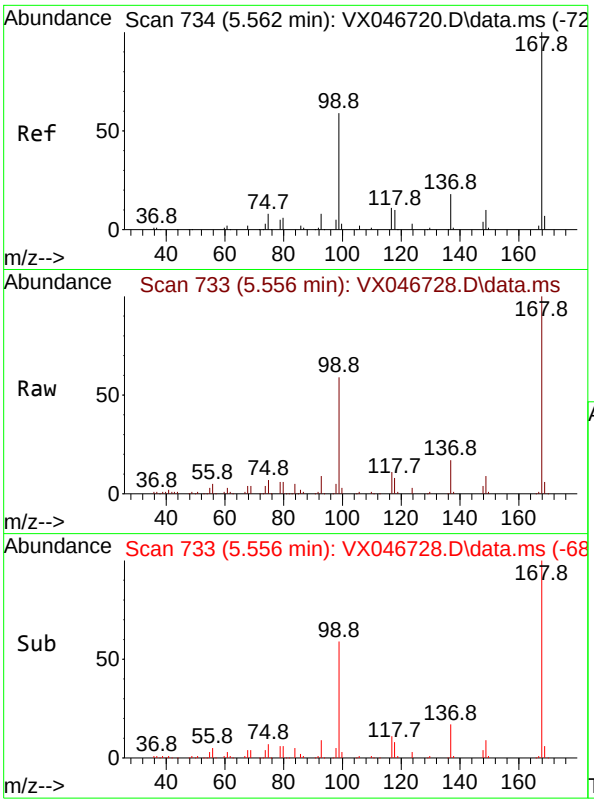
Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

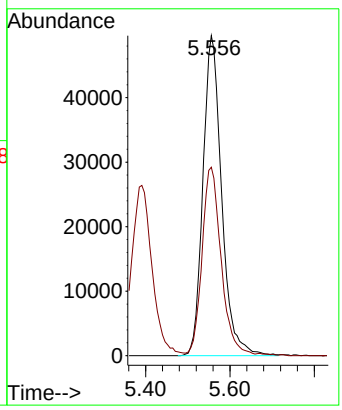





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:168 Resp: 15314

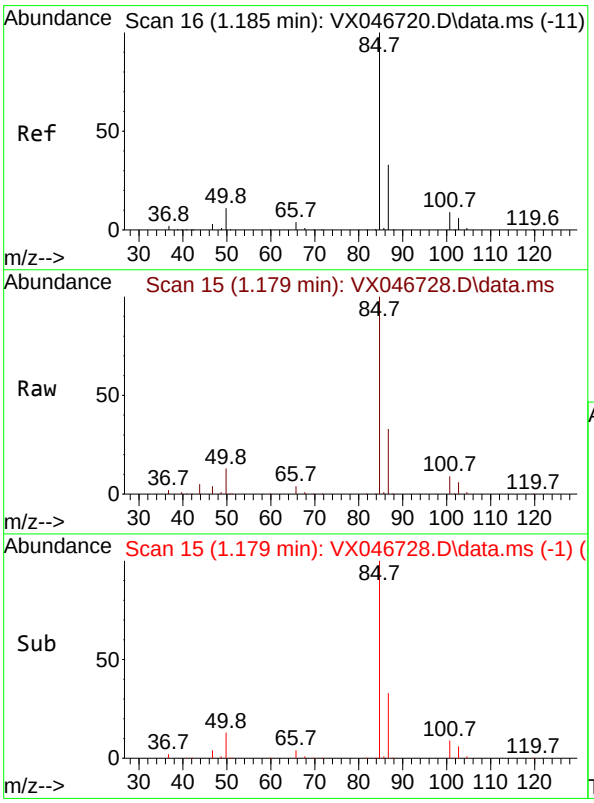
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

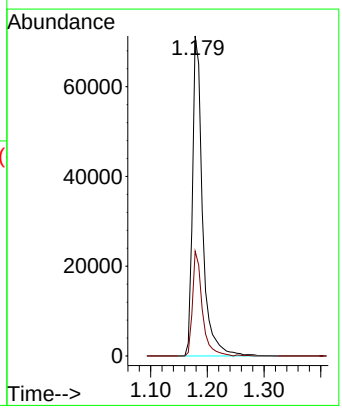
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

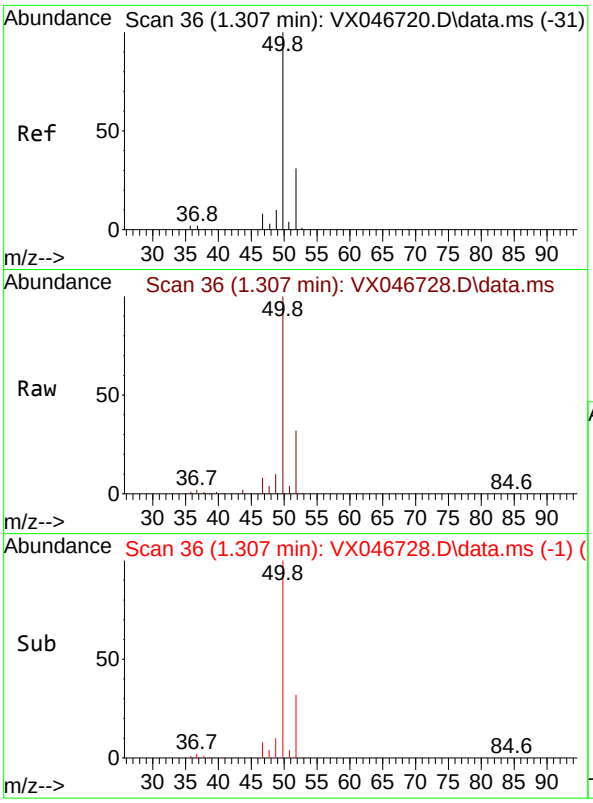



#2
Dichlorodifluoromethane
Concen: 53.715 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 85 Resp: 87825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |

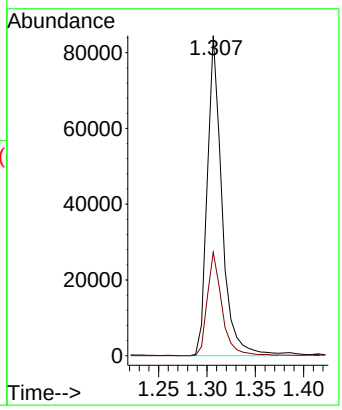





#3
Chloromethane
Concen: 50.600 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 50 Resp: 8929

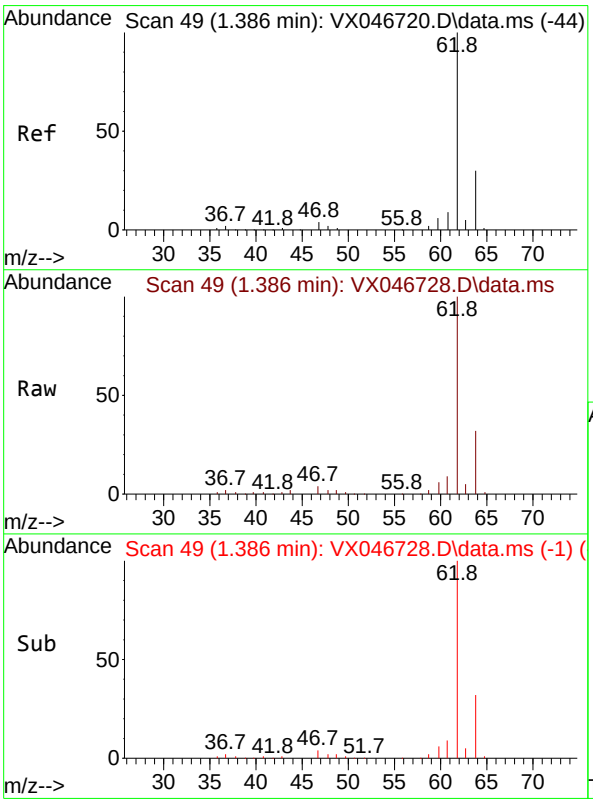
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

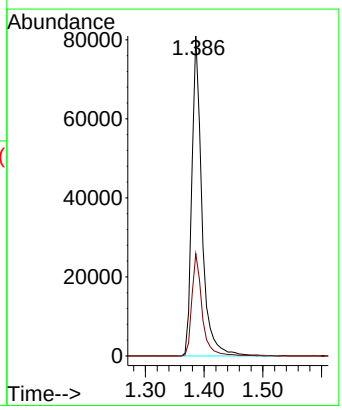
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

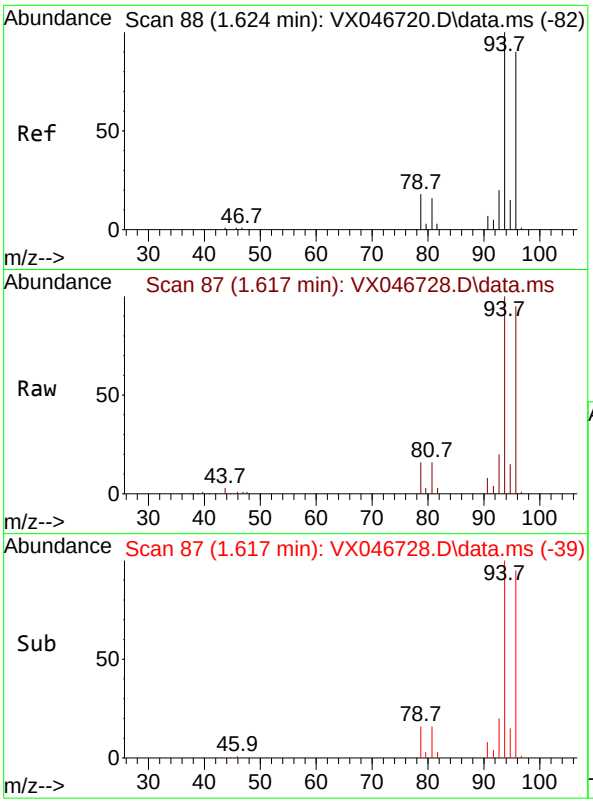



#4
Vinyl Chloride
Concen: 51.321 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 62 Resp: 96582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |

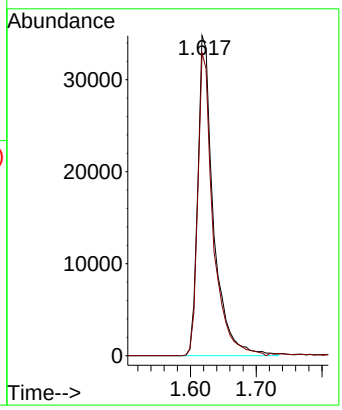





#5
Bromomethane
Concen: 54.442 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 94 Resp: 5764

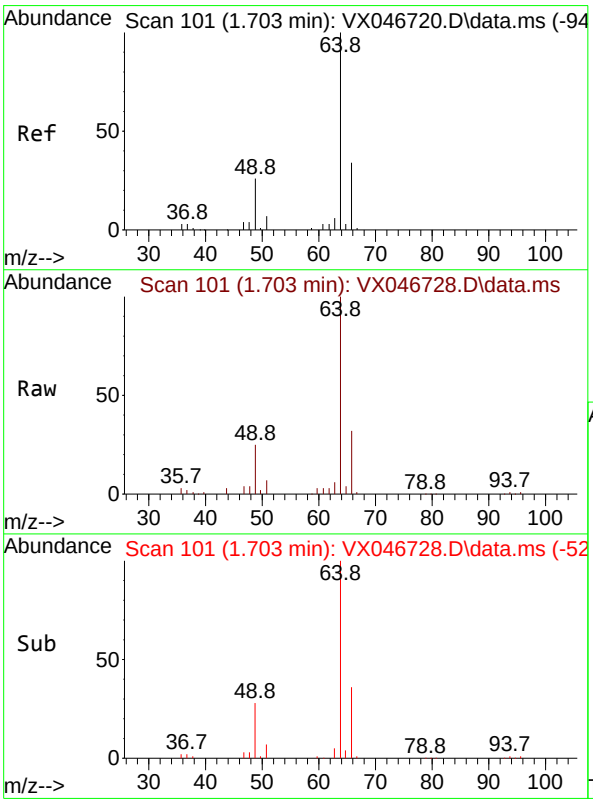
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.6 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

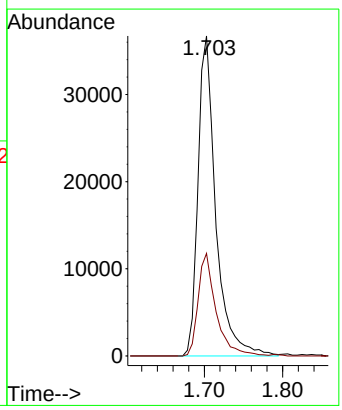
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

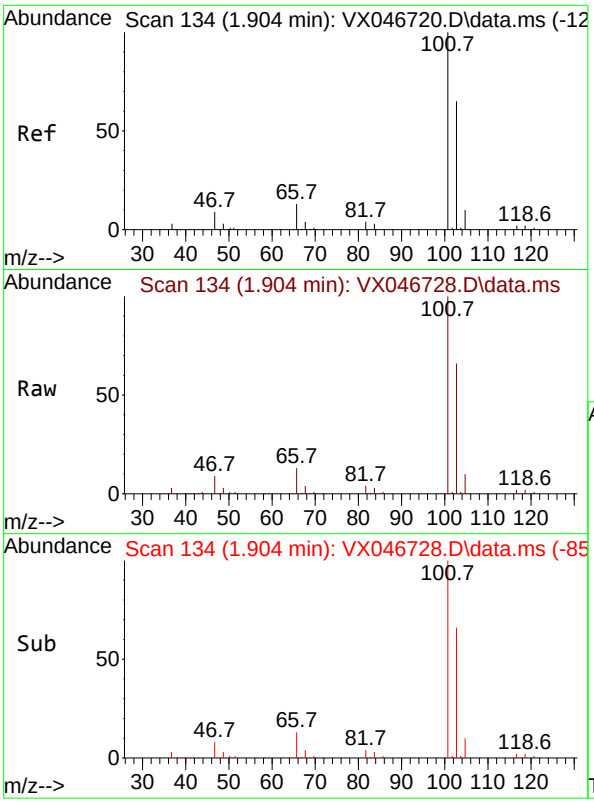



#6
Chloroethane
Concen: 50.722 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 64 Resp: 57854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 27.1 | 40.7 |

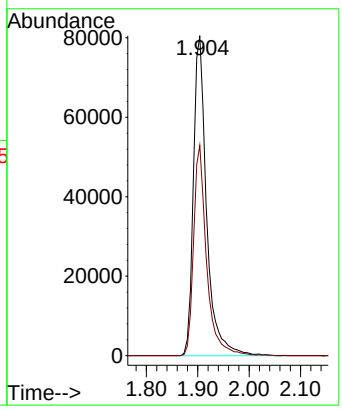





#7
Trichlorofluoromethane
Concen: 50.427 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:101 Resp: 14409

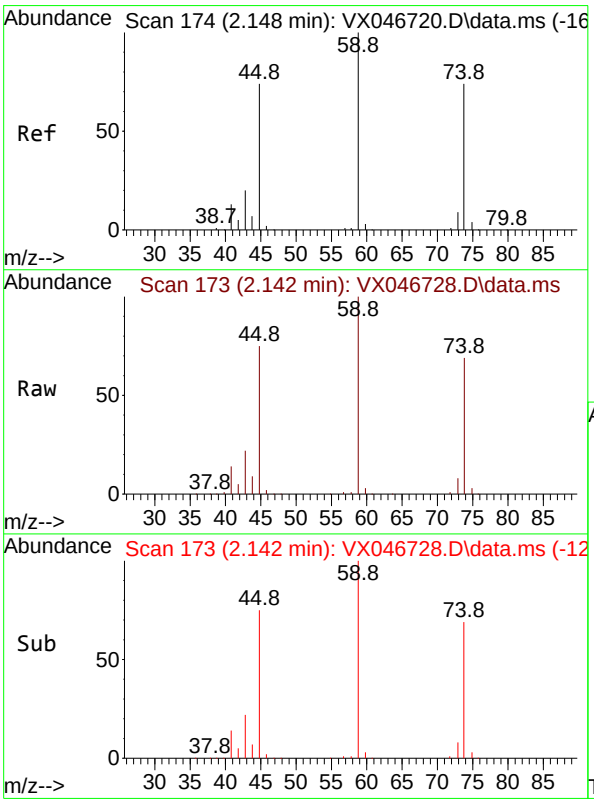
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

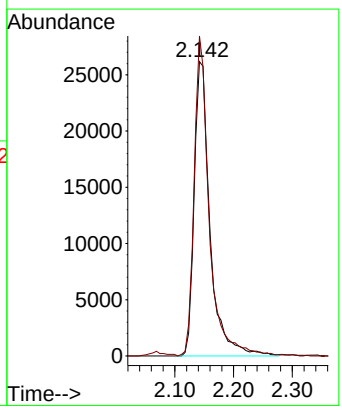
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

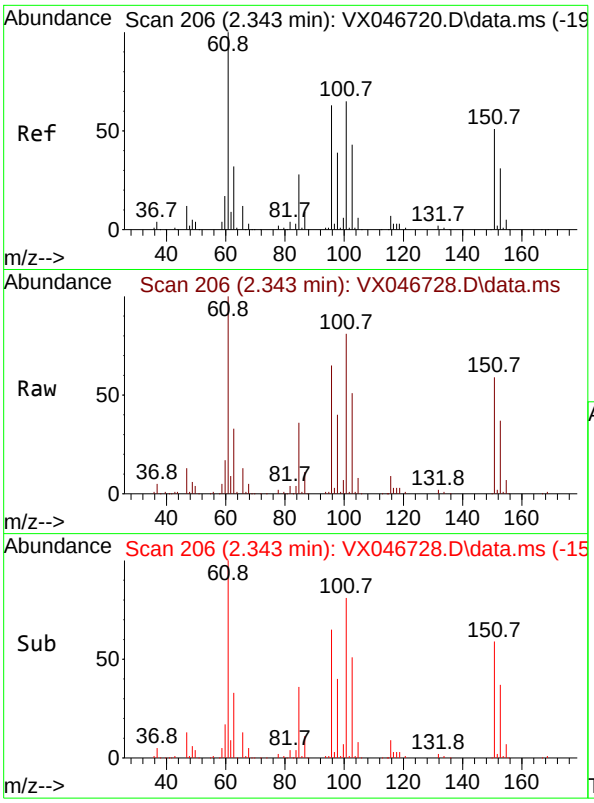



#8
Diethyl Ether
Concen: 49.967 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 74 Resp: 49001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.3 | 52.3 | 157.1 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.165 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

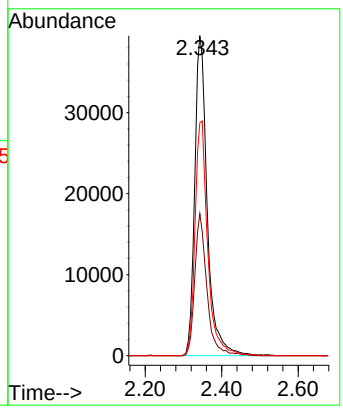
Tgt Ion:101 Resp: 8969

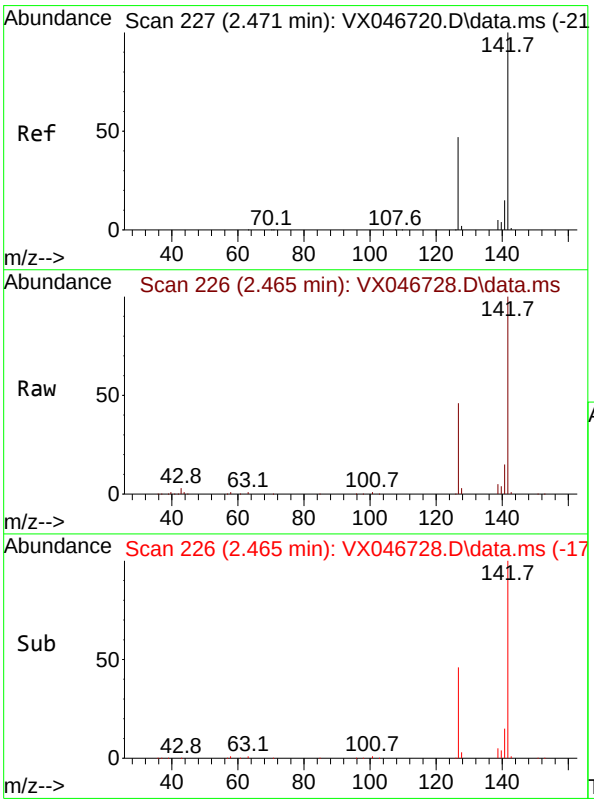
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.0 | 35.4 | 53.0 |
| 151 | 74.2 | 61.2 | 91.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

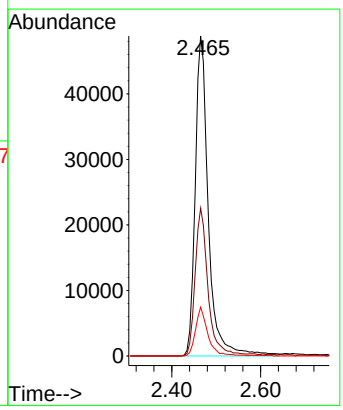


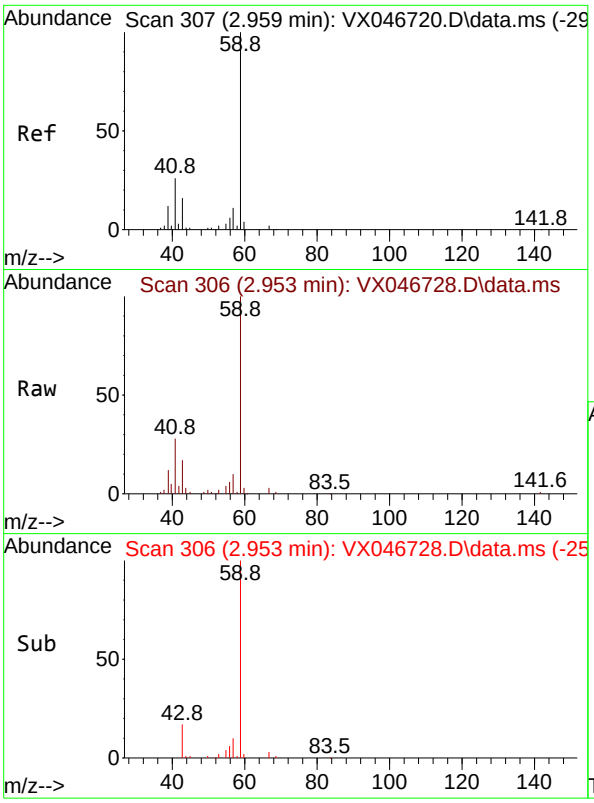




#10
Methyl Iodide
Concen: 45.950 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:142 Resp: 99988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.4 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 197.513 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

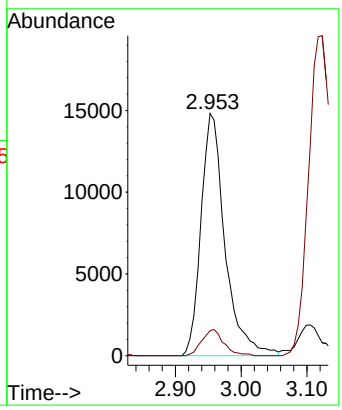
Tgt Ion: 59 Resp: 3755

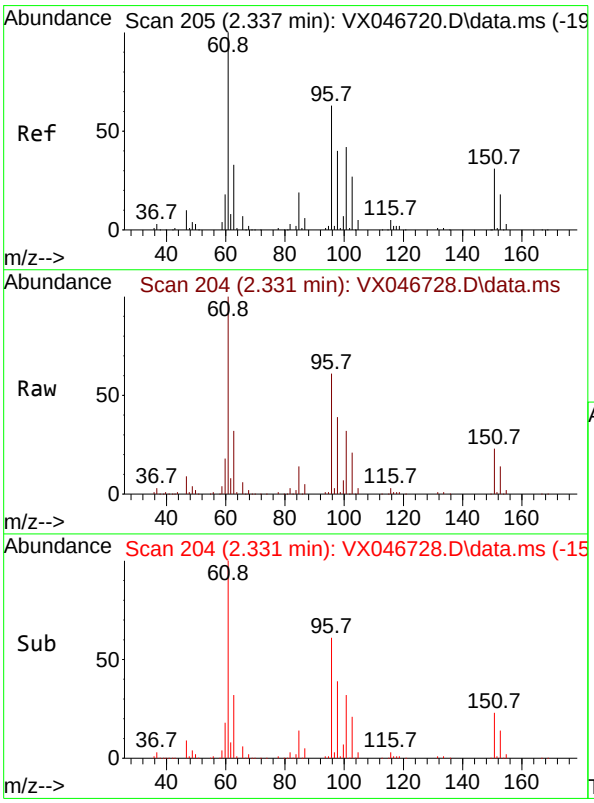
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

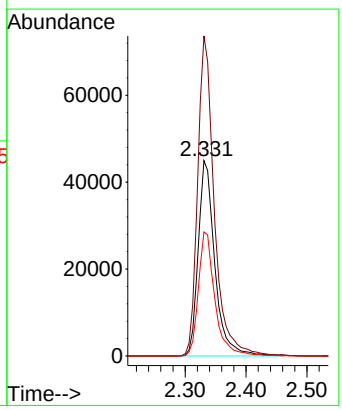


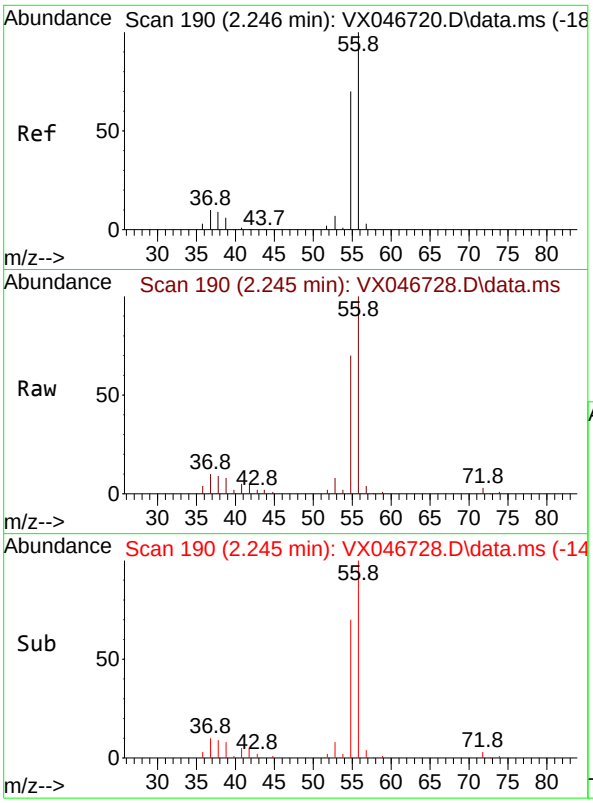




#12
1,1-Dichloroethene
Concen: 50.530 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 96 Resp: 85474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |

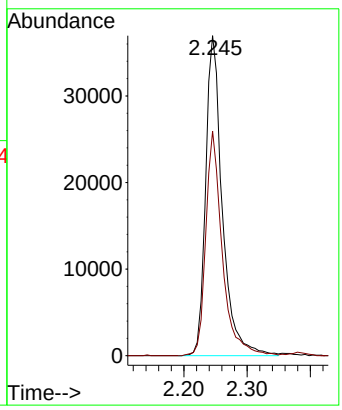





#13
Acrolein
Concen: 244.874 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 56 Resp: 6781

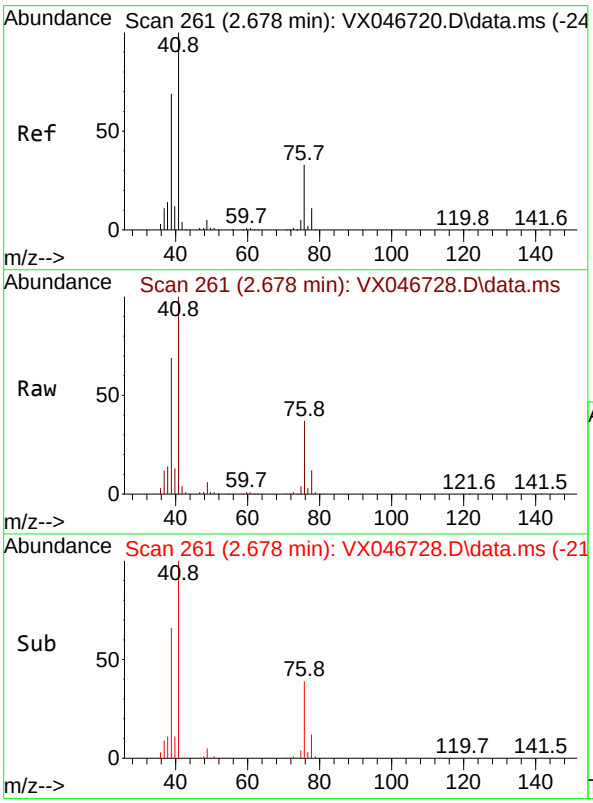
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

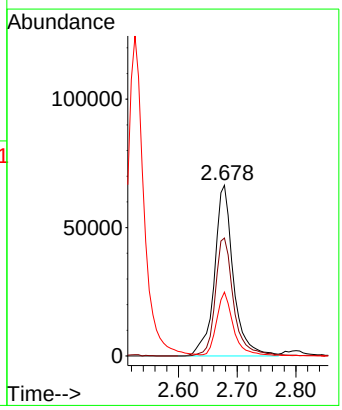
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

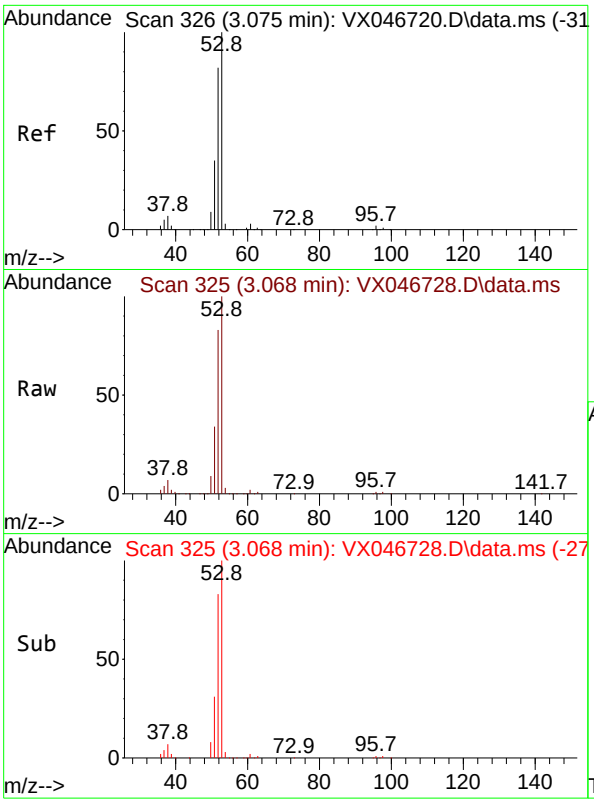



#14
Allyl chloride
Concen: 48.559 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 41 Resp: 148825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.3 | 53.6 | 80.4 |
| 76 | 33.7 | 26.8 | 40.2 |

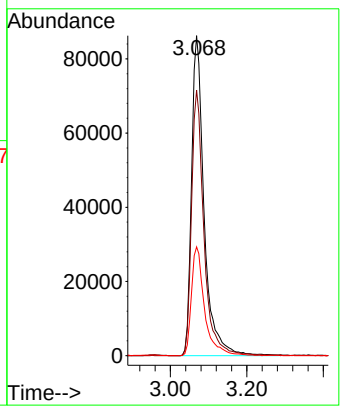





#15
Acrylonitrile
Concen: 230.626 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 53 Resp: 19716

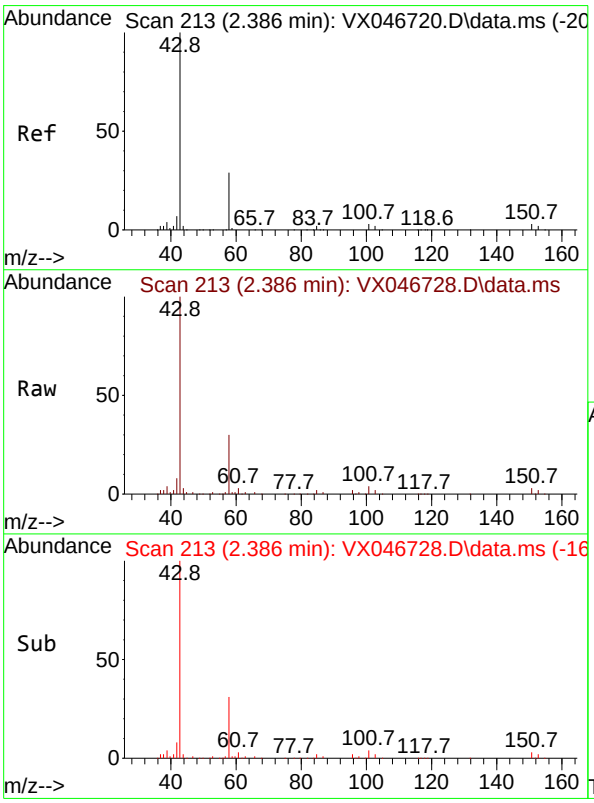
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.6 | 65.1 | 97.7 |
| 51 | 35.7 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

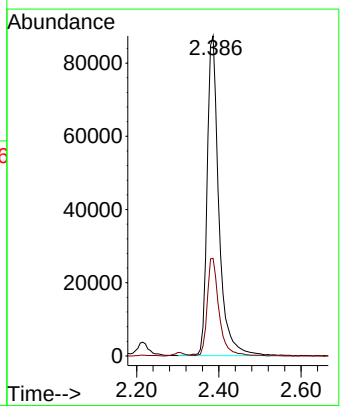
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

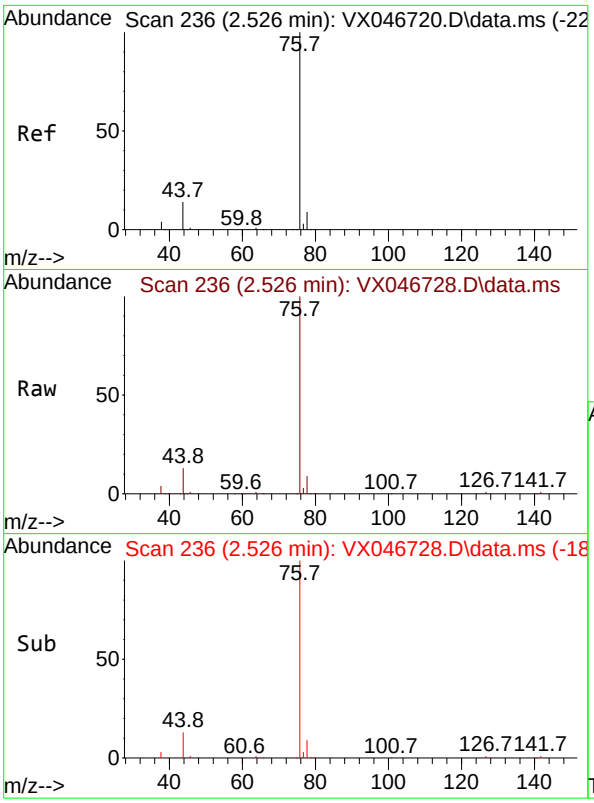



#16
Acetone
Concen: 244.395 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 172637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 46.207 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

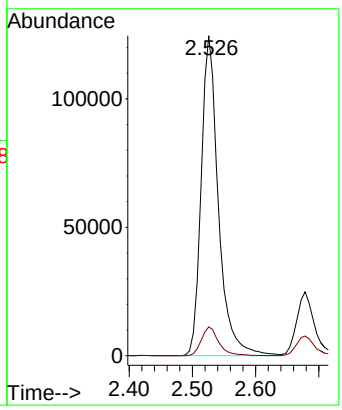
Tgt Ion: 76 Resp: 23603

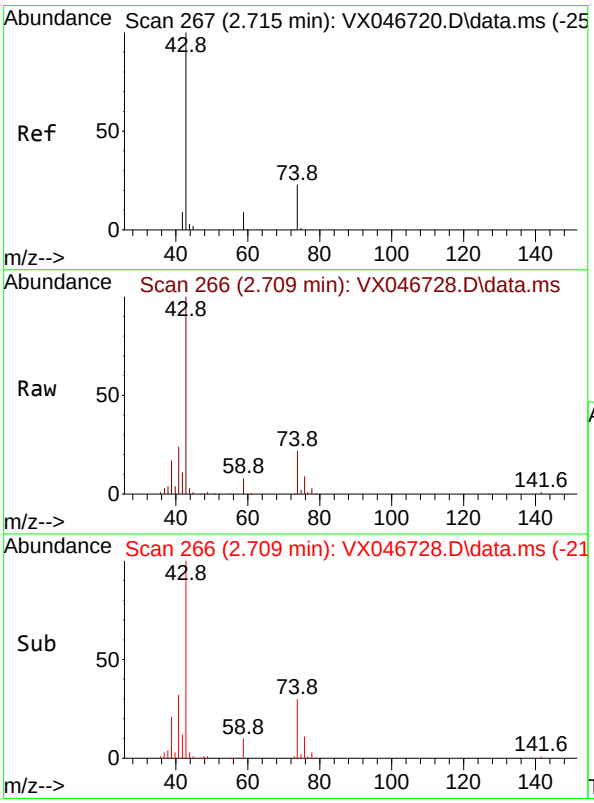
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

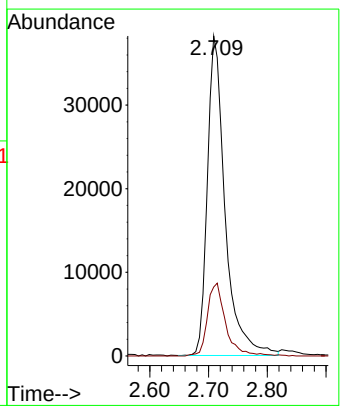


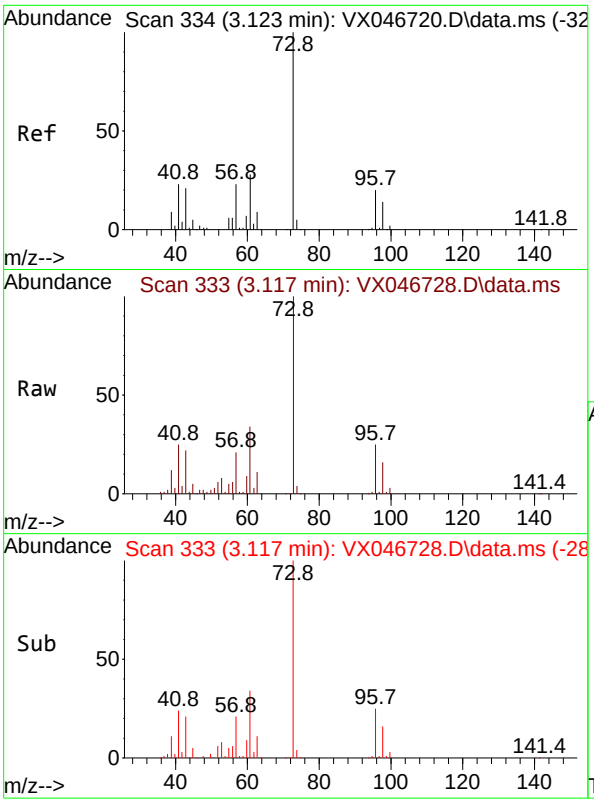




#18
Methyl Acetate
Concen: 44.781 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 80342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.4 | 27.6 |

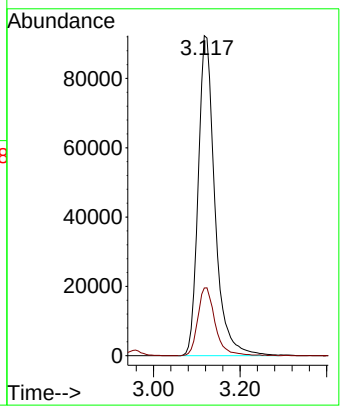





#19
Methyl tert-butyl Ether
Concen: 46.907 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 73 Resp: 24706

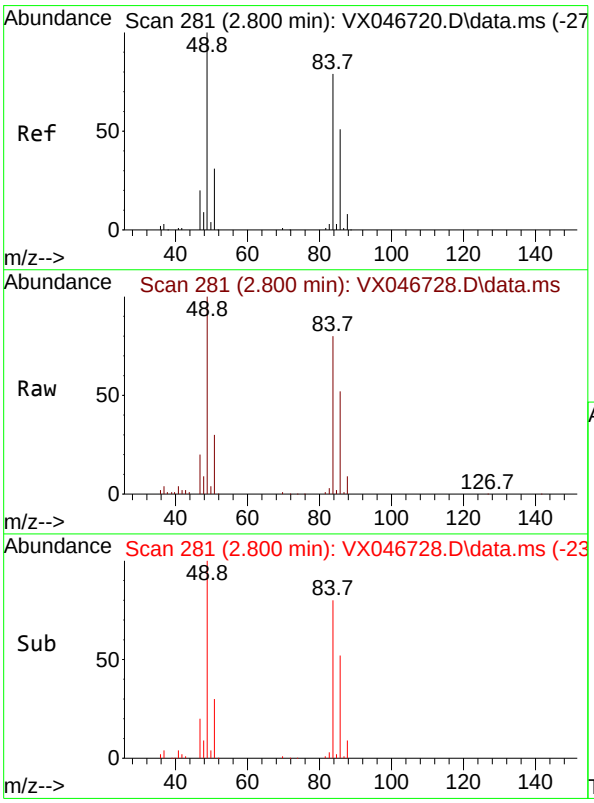
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

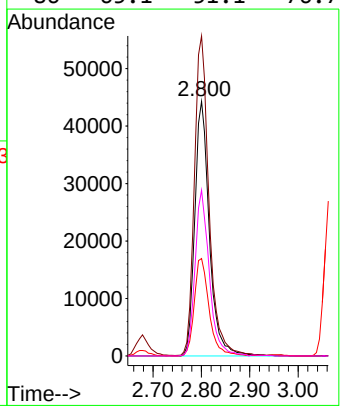
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

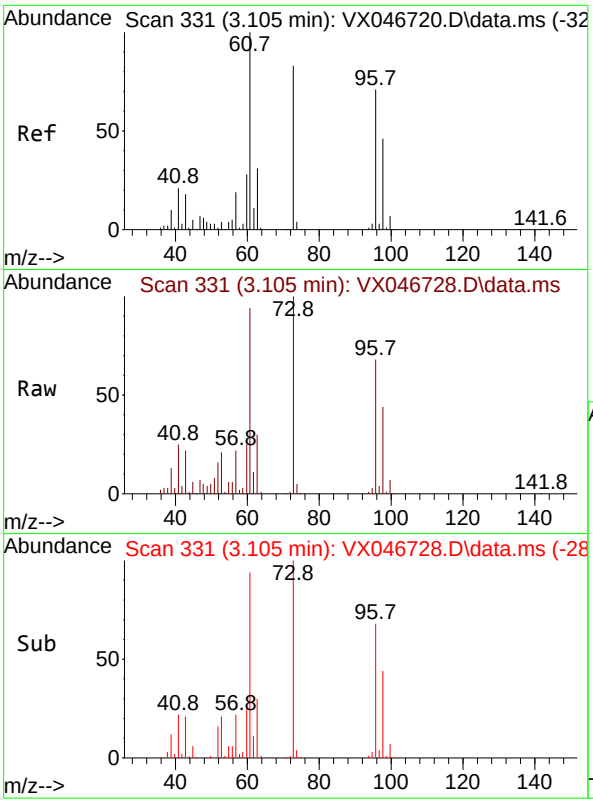



#20
Methylene Chloride
Concen: 47.205 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 84 Resp: 92732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.5 | 101.3 | 151.9 |
| 51 | 38.3 | 31.0 | 46.6 |
| 86 | 65.1 | 51.1 | 76.7 |

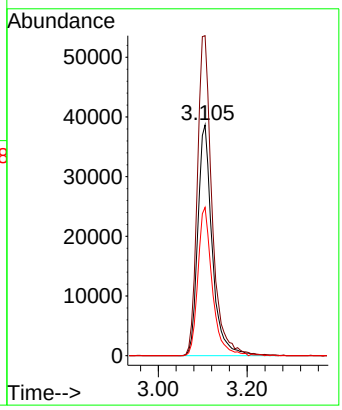





#21
trans-1,2-Dichloroethene
Concen: 48.093 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 96 Resp: 8704

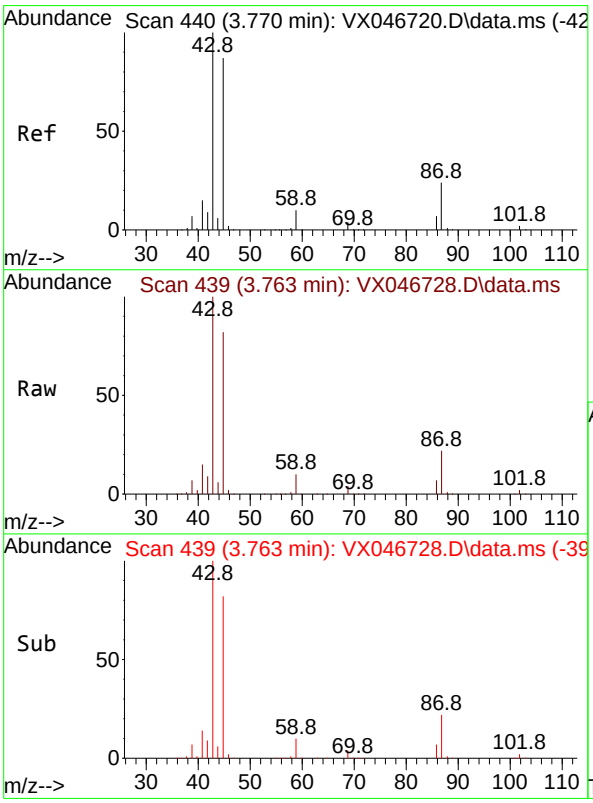
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 112.5 | 168.7 |
| 98 | 64.3 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

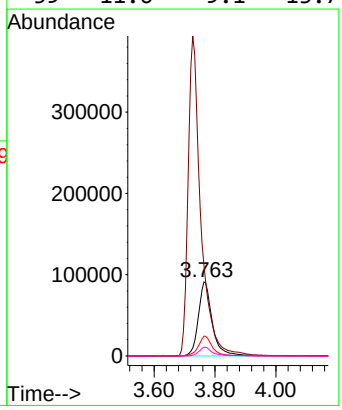
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

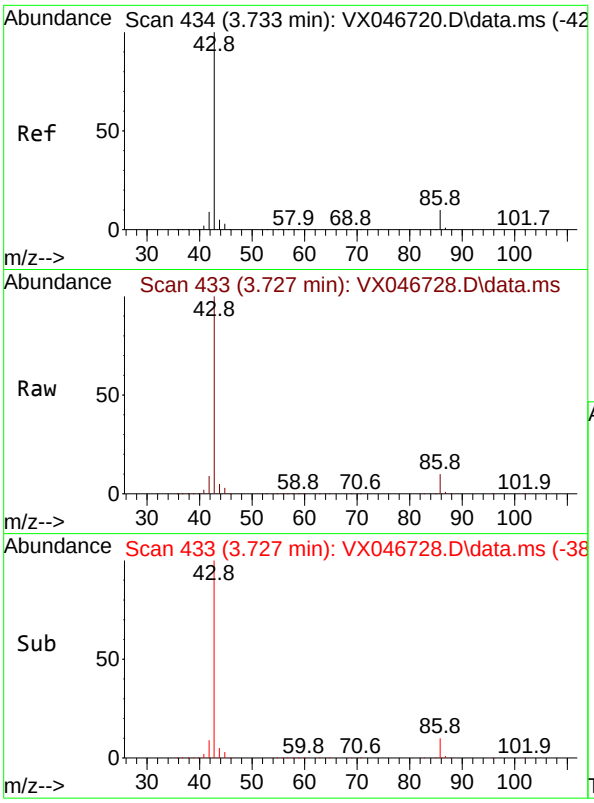



#22
Diisopropyl ether
Concen: 49.215 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 45 Resp: 289920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 122.4 | 91.9 | 137.9 |
| 87 | 26.7 | 22.0 | 33.0 |
| 59 | 11.6 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 243.835 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

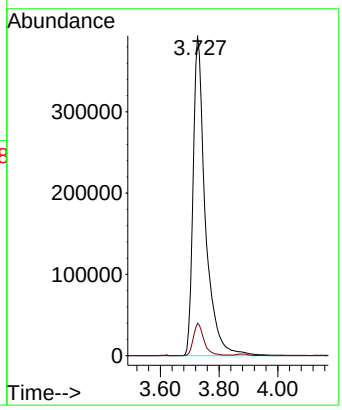
Tgt Ion: 43 Resp: 114224

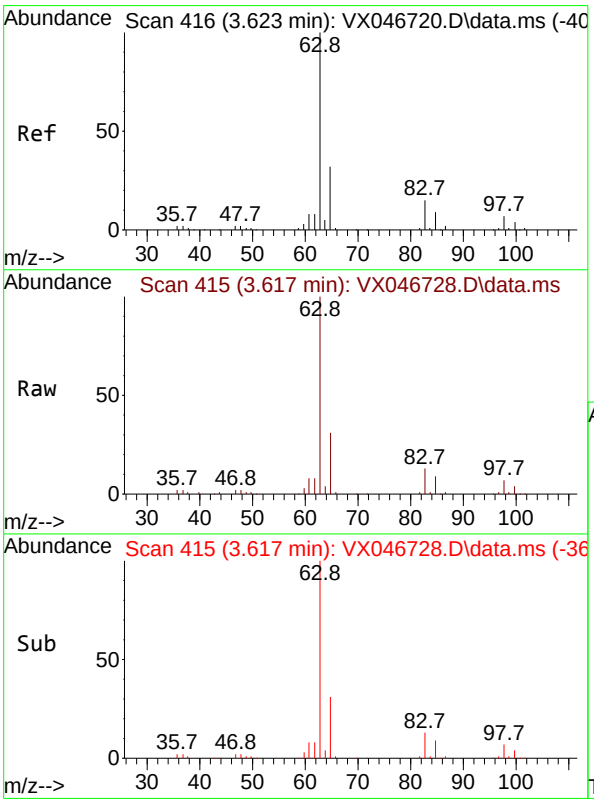
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

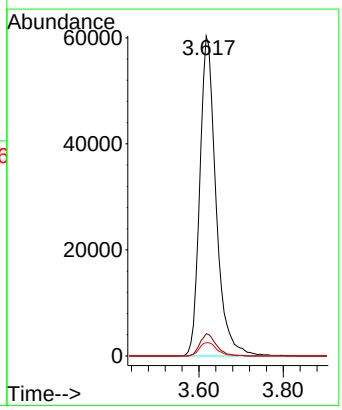


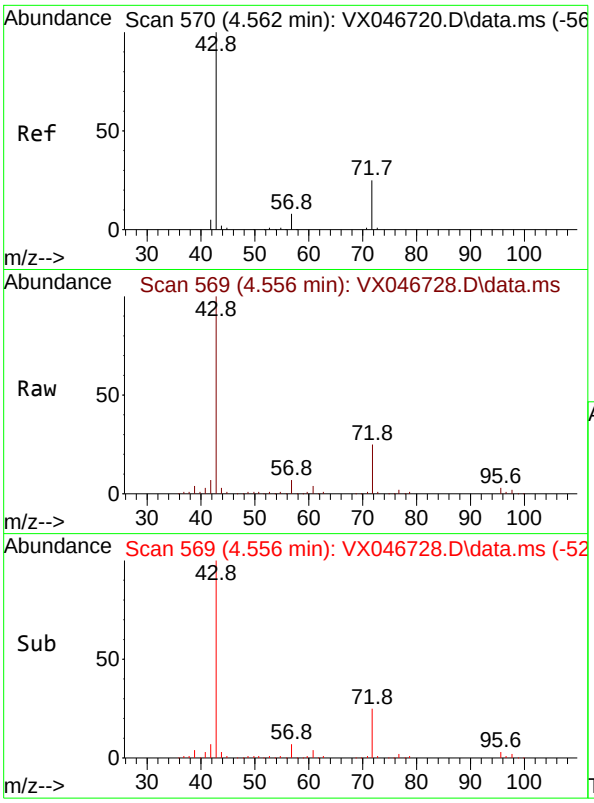




#24
1,1-Dichloroethane
Concen: 48.236 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 63 Resp: 161335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 4.0 | 11.9 |
| 100 | 4.2 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 217.827 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

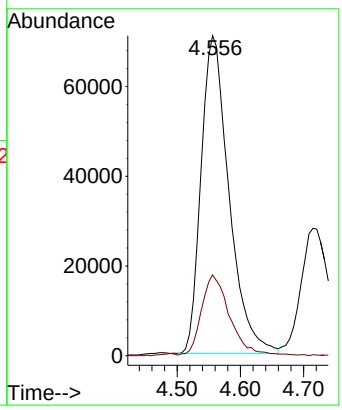
Tgt Ion: 43 Resp: 21761

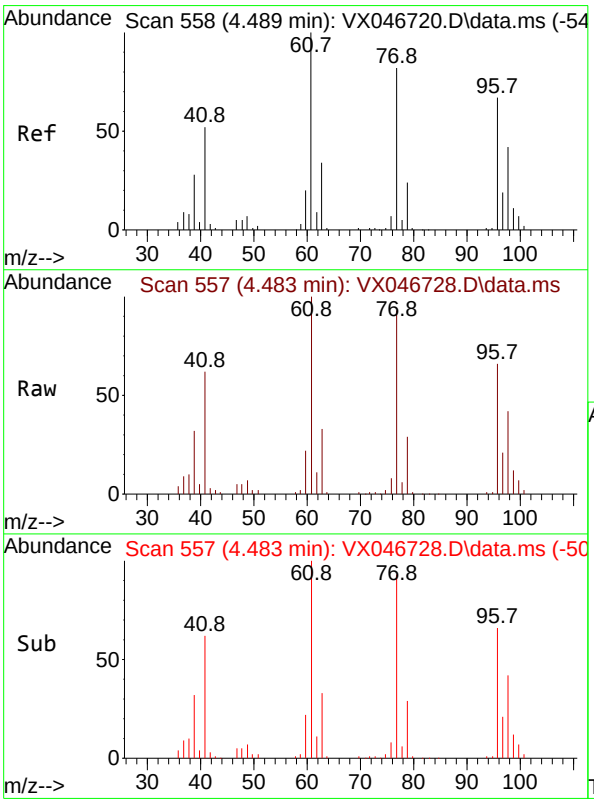
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

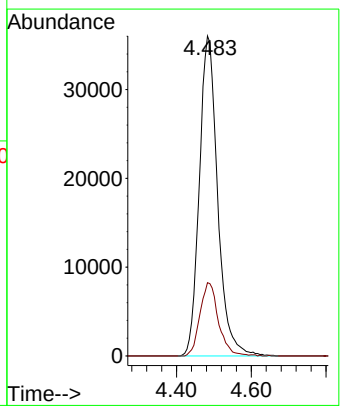


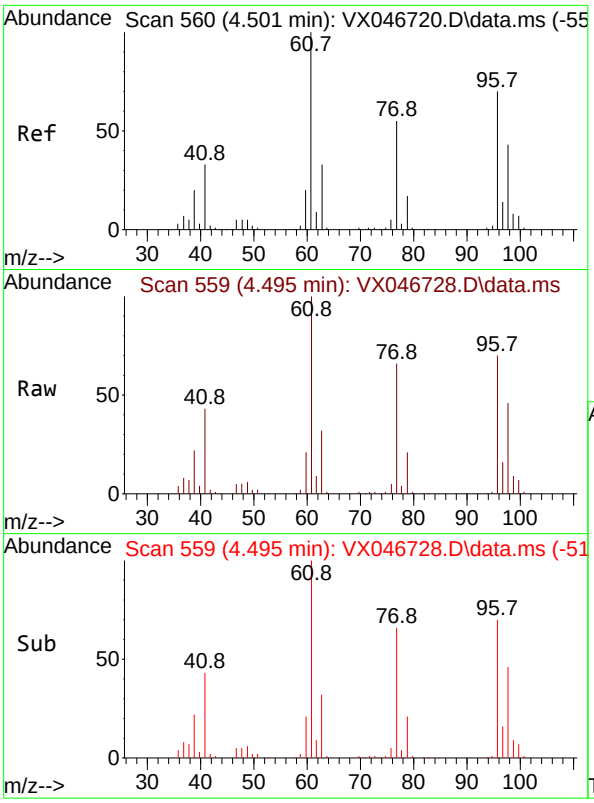




#26
2,2-Dichloropropane
Concen: 50.275 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 77 Resp: 122642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.0 | 11.8 | 35.3 |

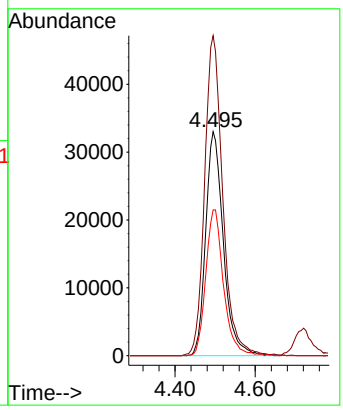





#27
cis-1,2-Dichloroethene
Concen: 47.512 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 96 Resp: 10103

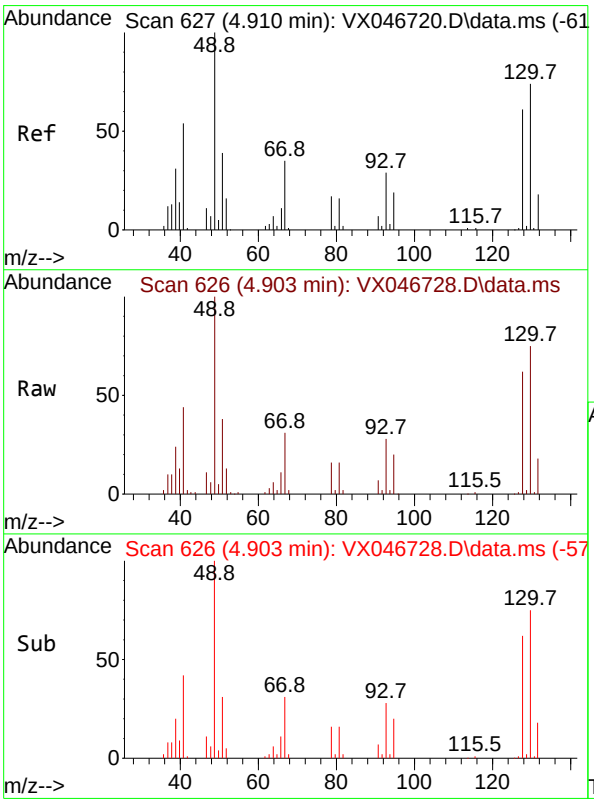
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.3 | 0.0 | 291.0 |
| 98 | 65.3 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

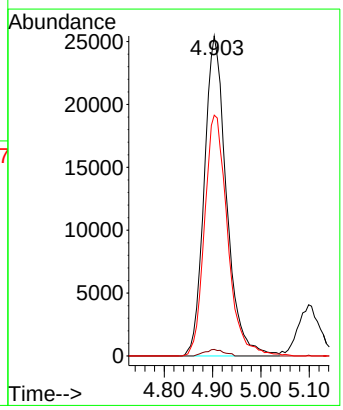
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

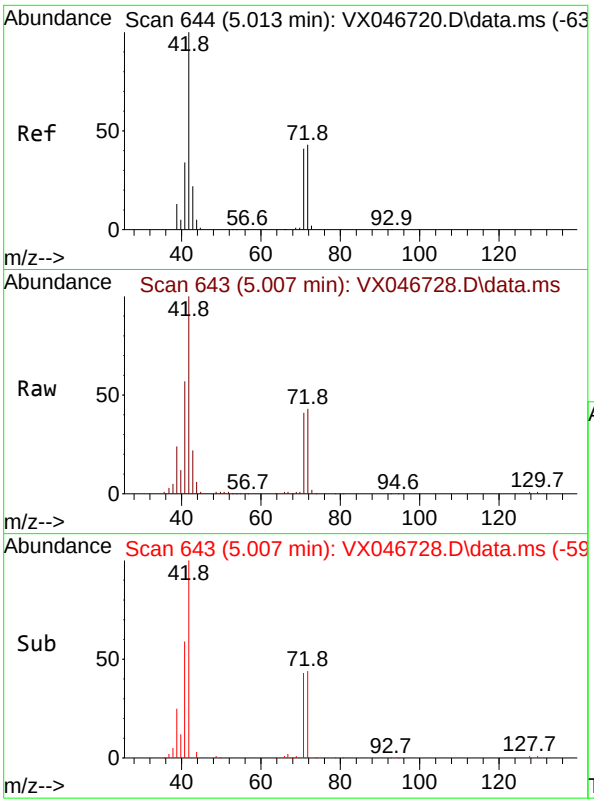



#28
Bromochloromethane
Concen: 53.494 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 49 Resp: 81116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.8 |
| 130 | 78.0 | 61.4 | 92.0 |

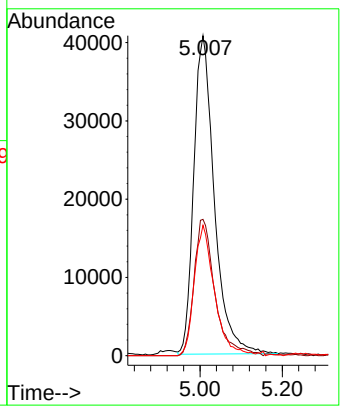





#29
Tetrahydrofuran
Concen: 219.377 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 42 Resp: 14156

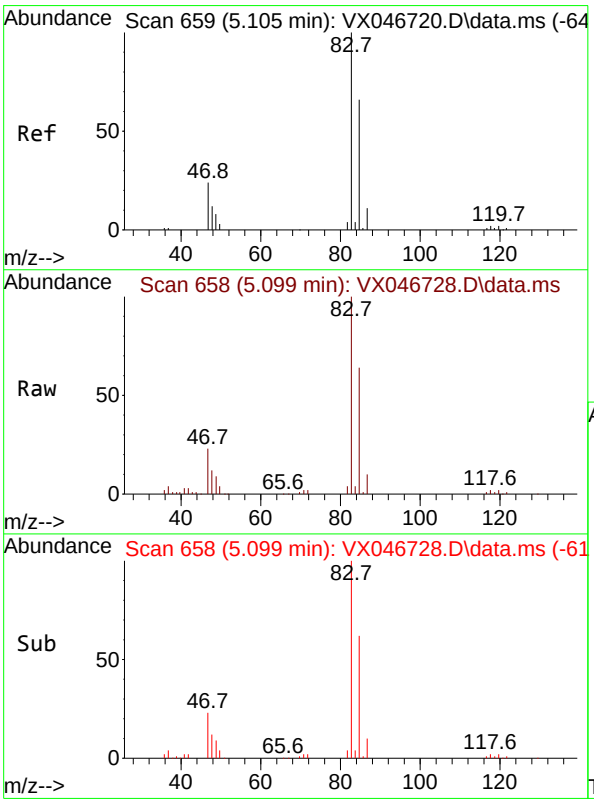
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 34.9 | 52.3 |
| 71 | 40.1 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

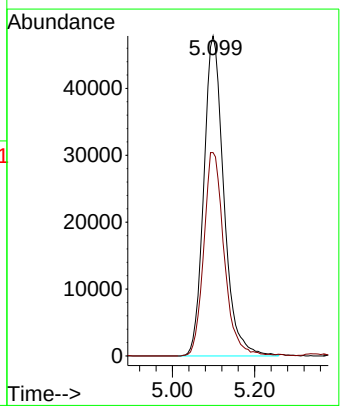
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

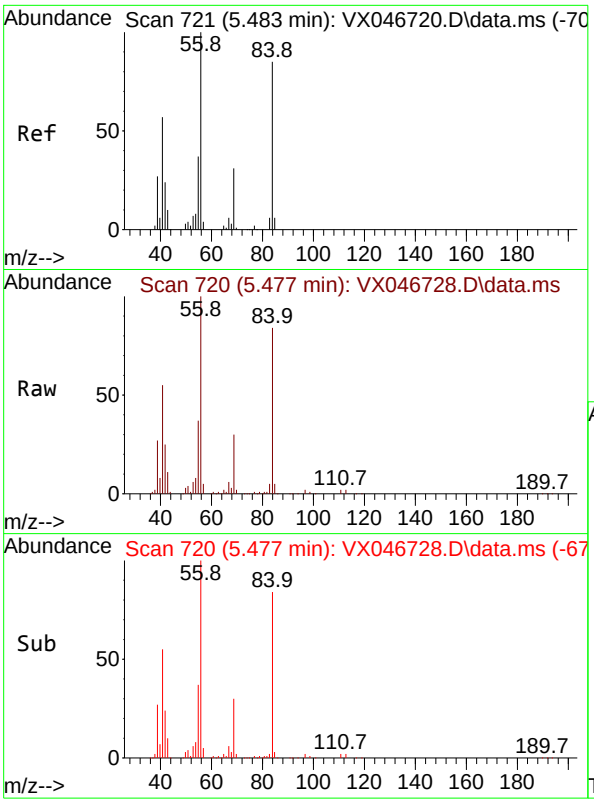



#30
Chloroform
Concen: 48.377 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 83 Resp: 161817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 53.7 | 80.5 |

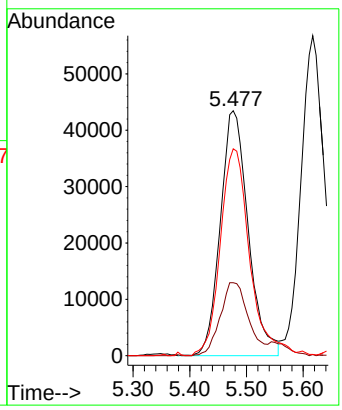





#31
Cyclohexane
Concen: 46.830 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 56 Resp: 14853

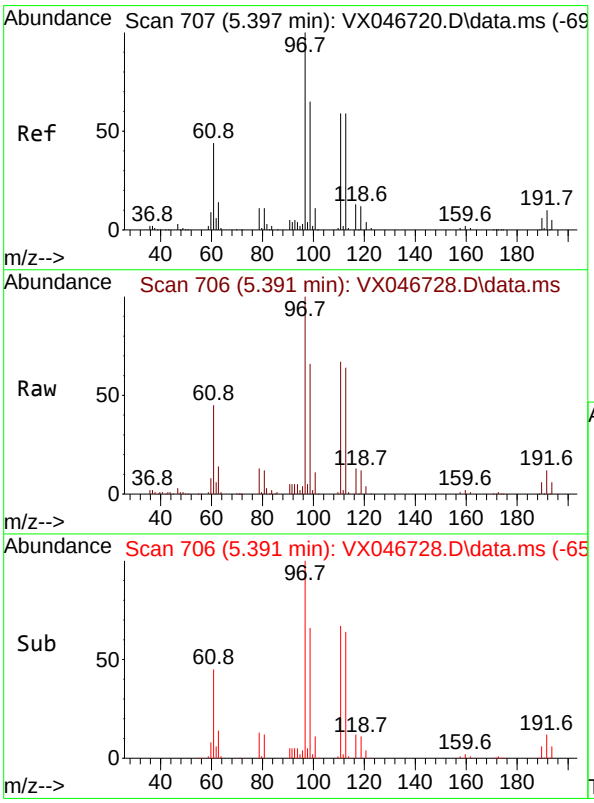
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 24.8 | 37.2 |
| 84 | 82.7 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

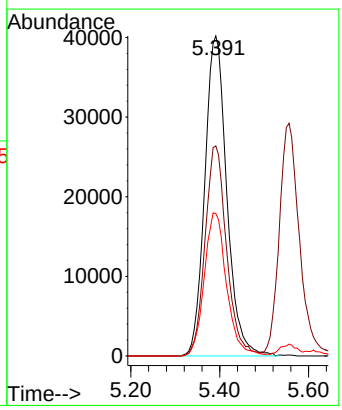
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

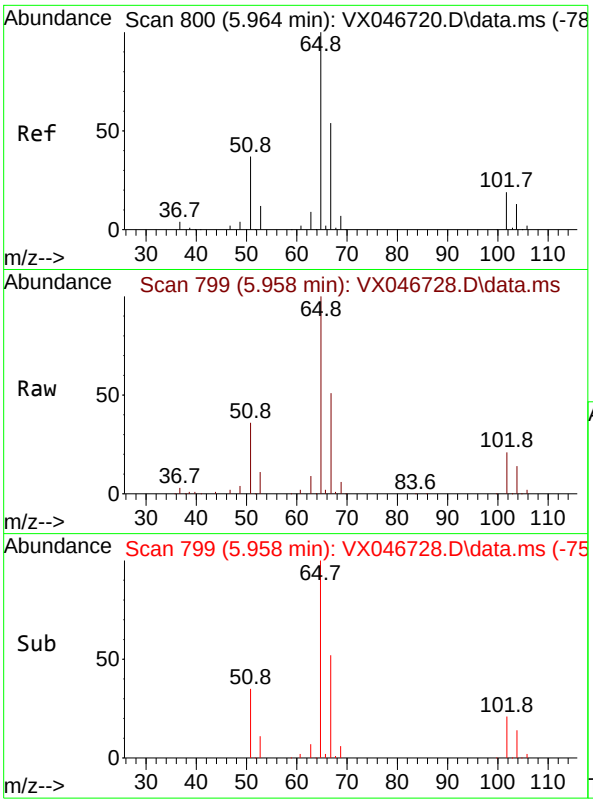



#32
1,1,1-Trichloroethane
Concen: 47.262 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 97 Resp: 138647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.3 | 76.9 |
| 61 | 45.2 | 36.4 | 54.6 |

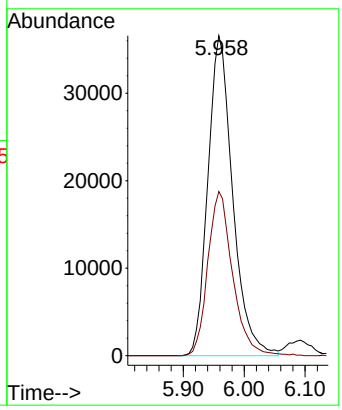





#33
1,2-Dichloroethane-d4
Concen: 48.871 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 65 Resp: 10352

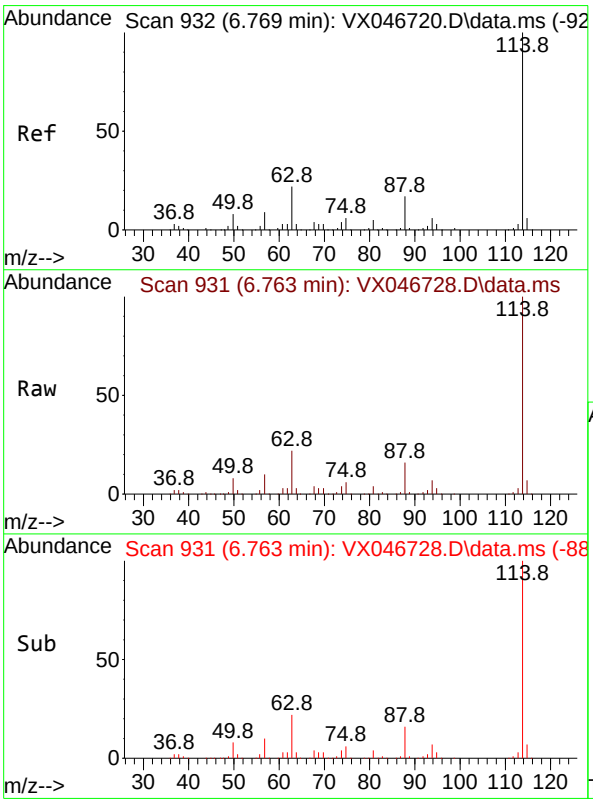
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

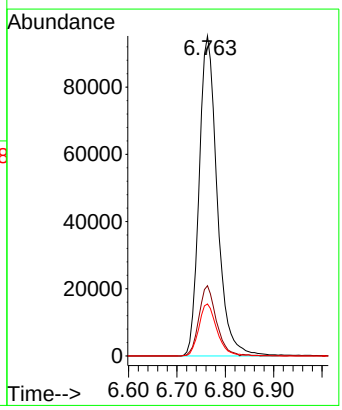
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

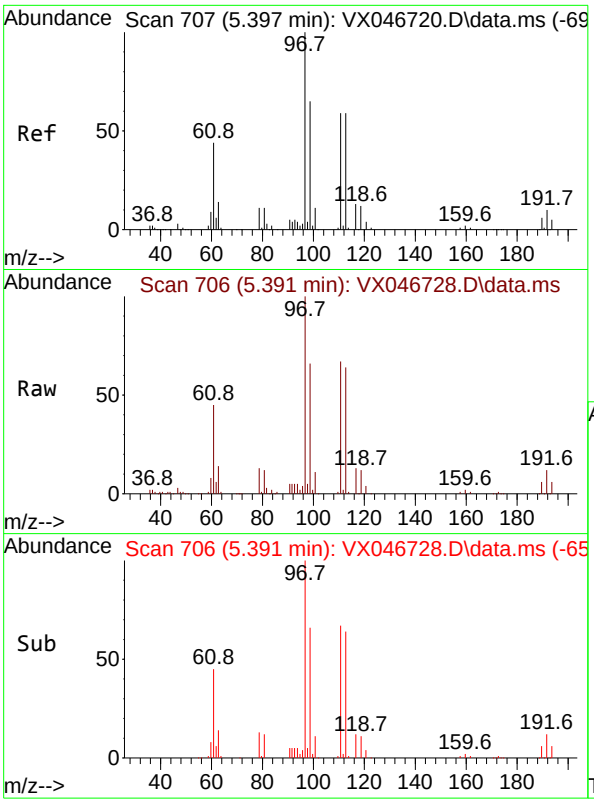



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:114 Resp: 247293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |

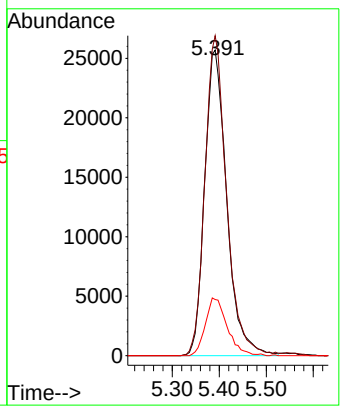





#35
Dibromofluoromethane
Concen: 51.320 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:113 Resp: 8396

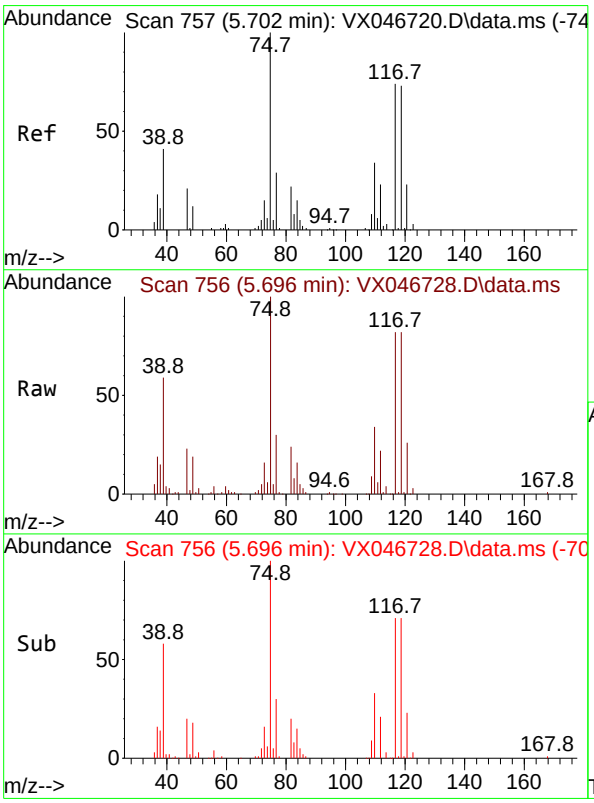
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

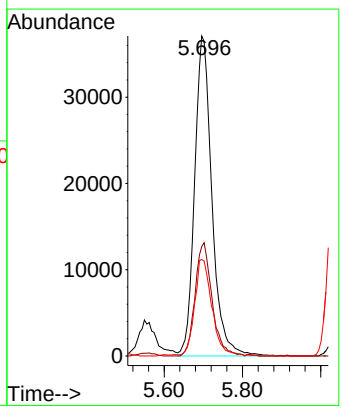
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

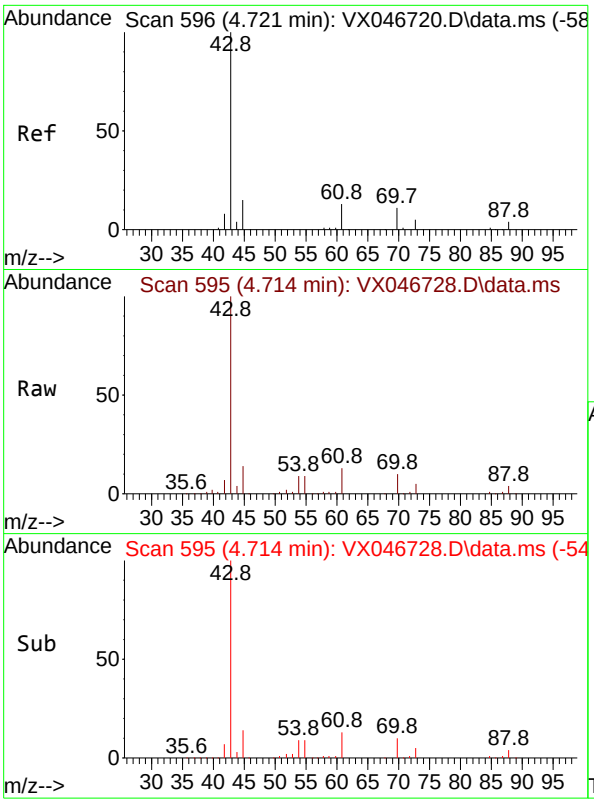



#36
1,1-Dichloropropene
Concen: 48.312 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 114107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.2 | 51.5 |
| 77 | 30.4 | 24.2 | 36.4 |

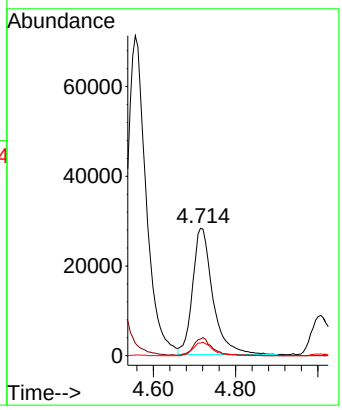





#37
Ethyl Acetate
Concen: 44.108 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 9616

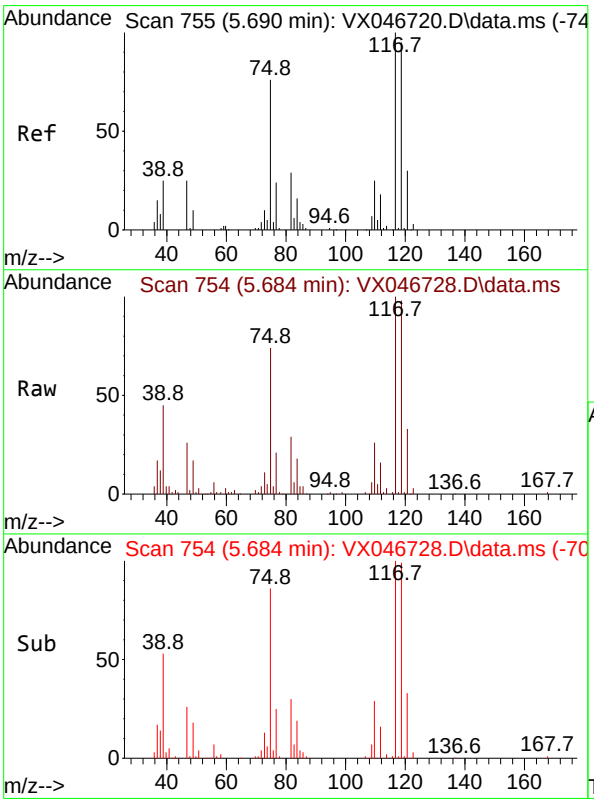
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

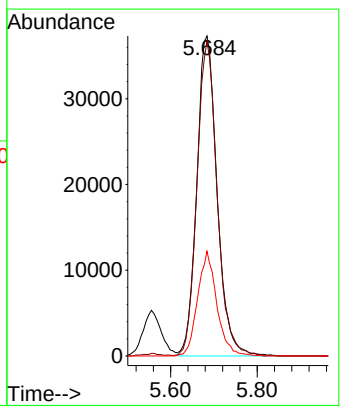
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

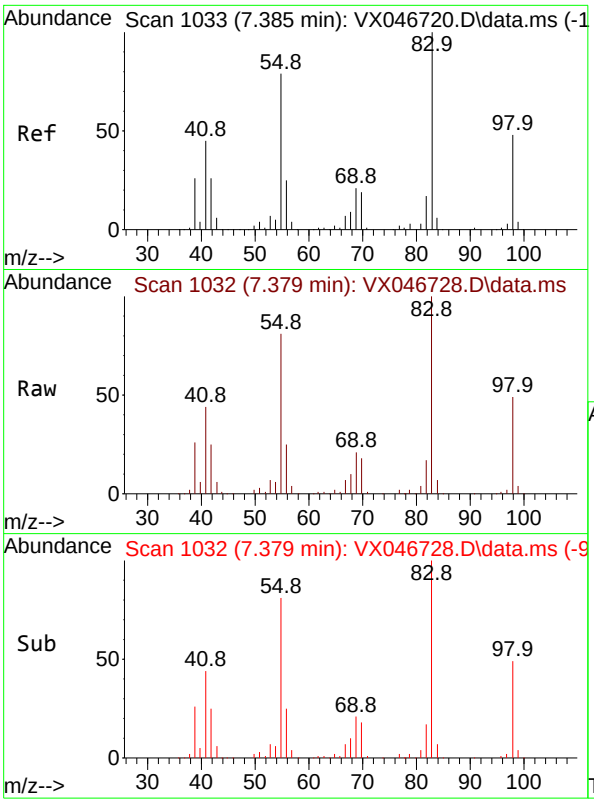



#38
Carbon Tetrachloride
Concen: 47.537 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:117 Resp: 121848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.3 | 75.2 | 112.8 |
| 121 | 32.7 | 24.1 | 36.1 |

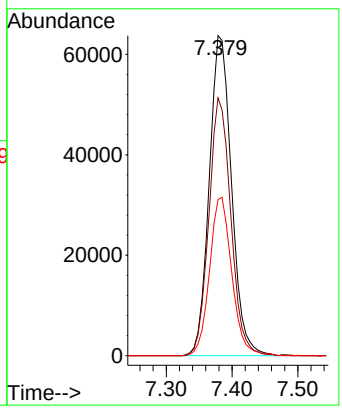





#39
Methylcyclohexane
Concen: 48.402 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 83 Resp: 15043

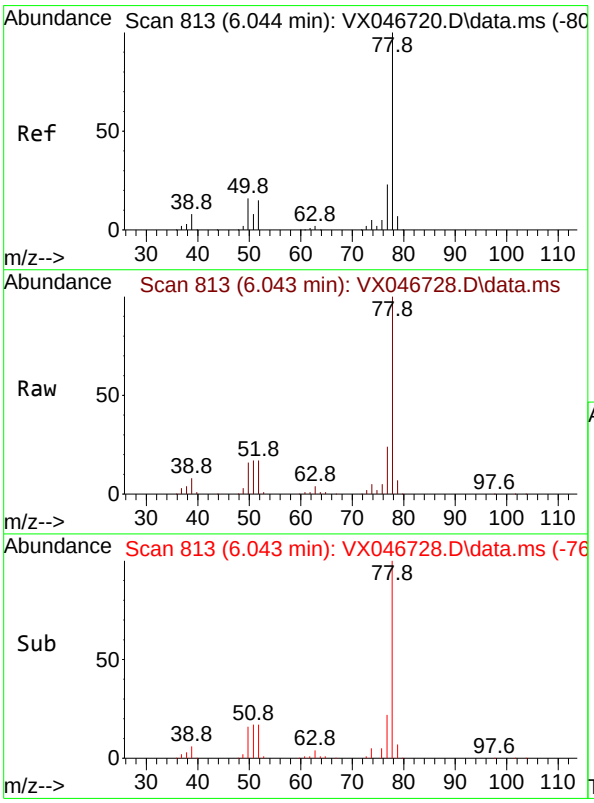
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.6 | 63.0 | 94.4 |
| 98 | 48.8 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

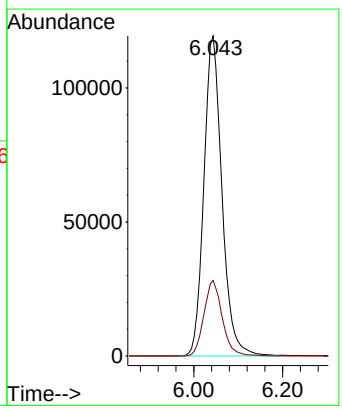
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

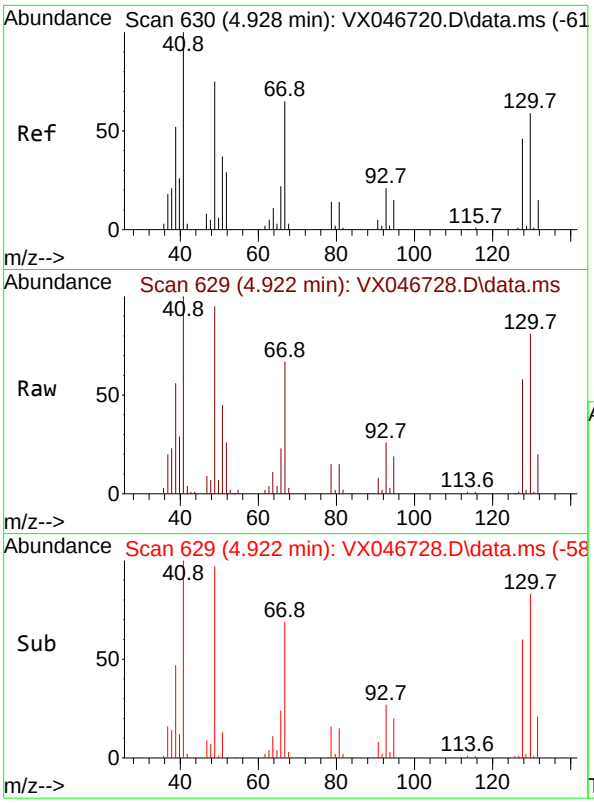



#40
Benzene
Concen: 48.414 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 78 Resp: 338410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 18.8 | 28.2 |

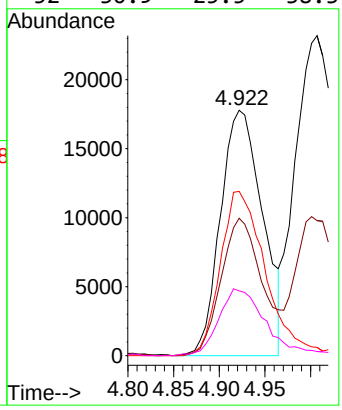





#41
Methacrylonitrile
Concen: 49.115 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 41 Resp: 5708

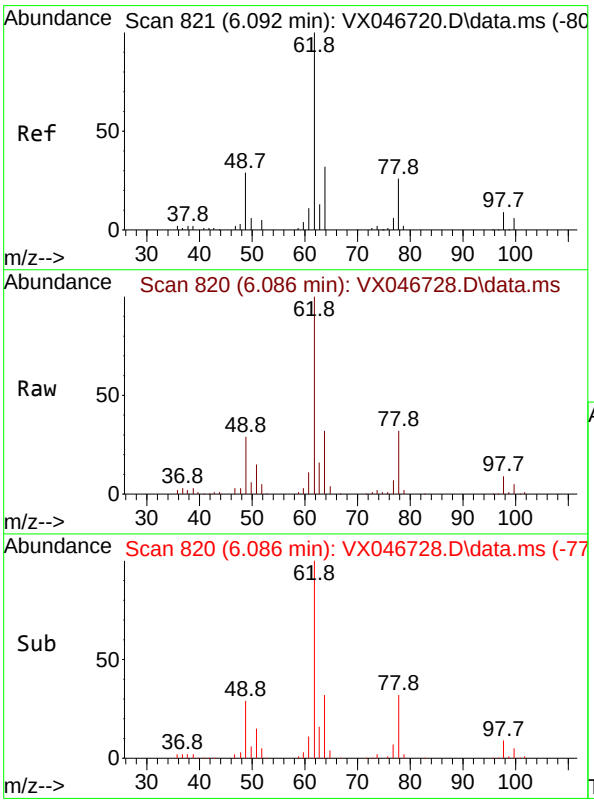
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 45.9 | 68.9 |
| 67 | 72.4 | 61.2 | 91.8 |
| 52 | 30.9 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

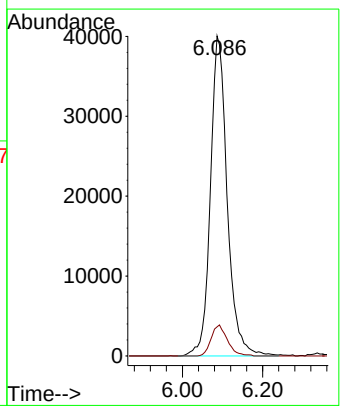
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

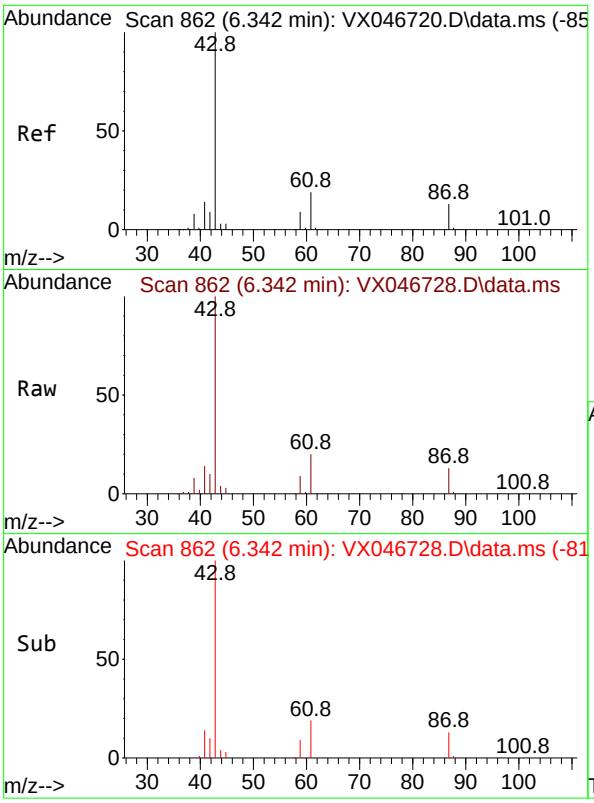



#42
1,2-Dichloroethane
Concen: 47.481 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 62 Resp: 116628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 46.196 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

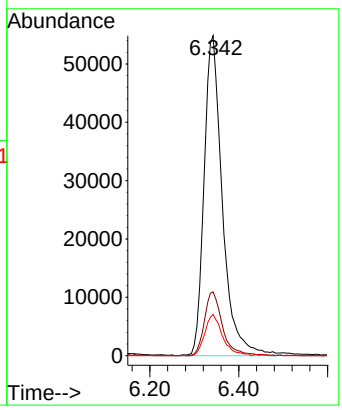
Tgt Ion: 43 Resp: 15759

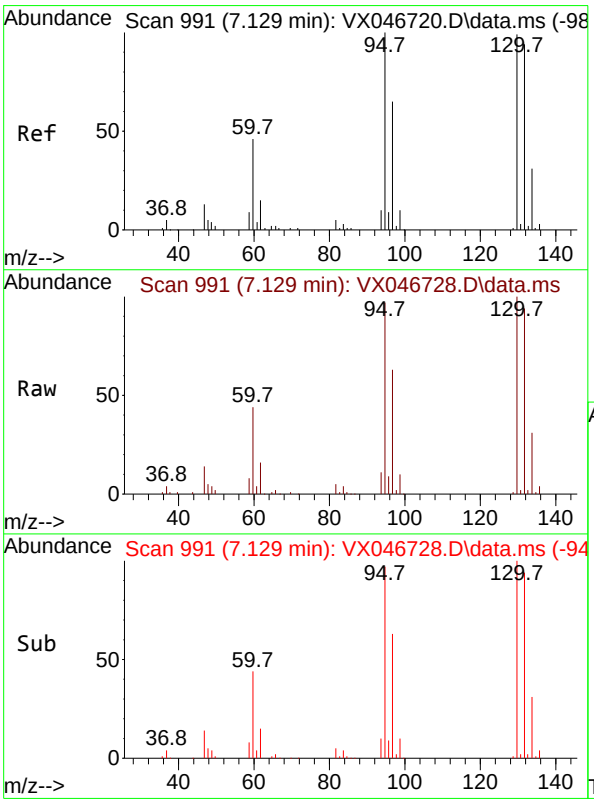
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.7 | 15.3 | 22.9 |
| 87 | 12.4 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

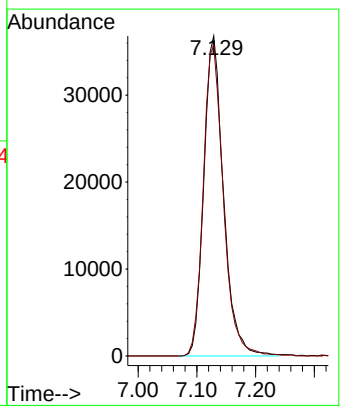


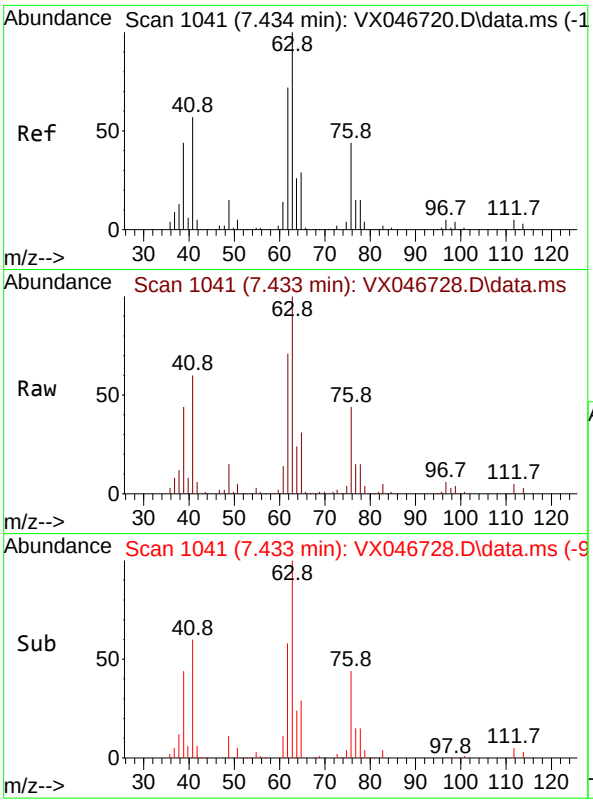




#44
Trichloroethene
Concen: 48.105 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:130 Resp: 85692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 202.6 |

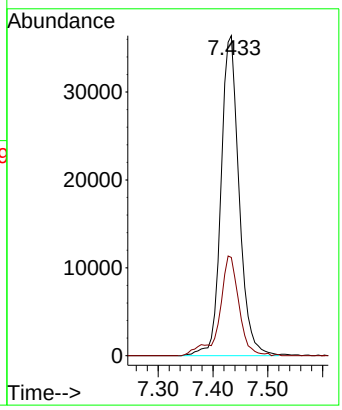





#45
1,2-Dichloropropane
Concen: 48.335 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 63 Resp: 8373

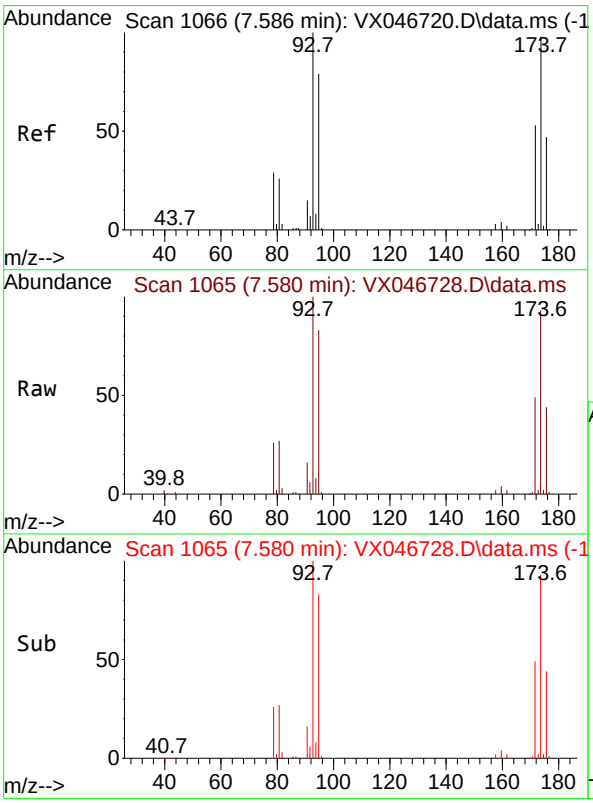
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

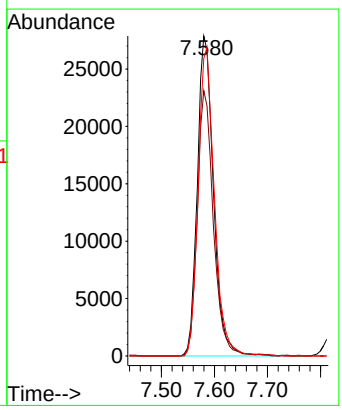
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

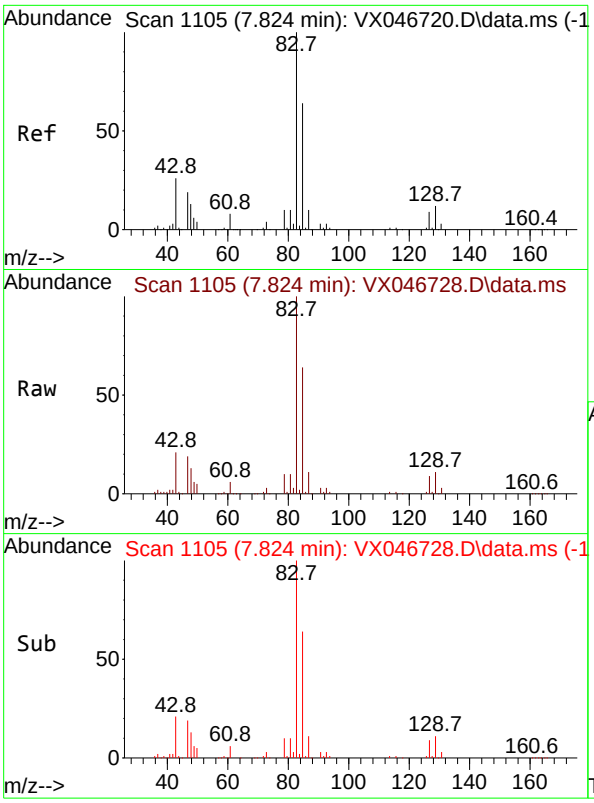



#46
Dibromomethane
Concen: 47.472 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 93 Resp: 59103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 66.2 | 99.4 |
| 174 | 96.4 | 77.0 | 115.6 |

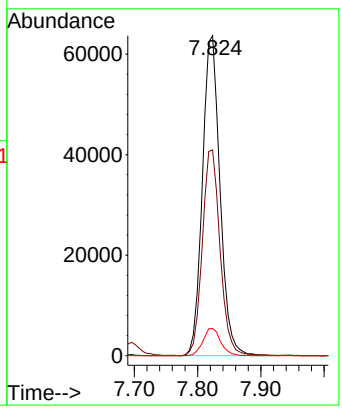





#47
Bromodichloromethane
Concen: 48.587 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 83 Resp: 12344

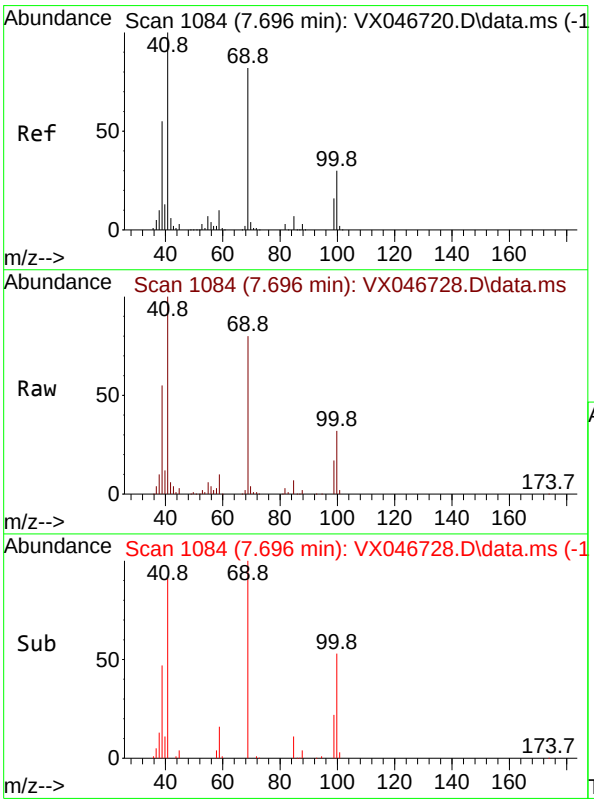
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

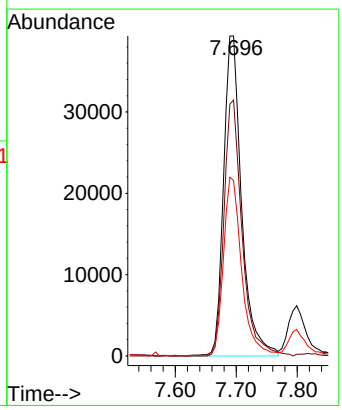
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

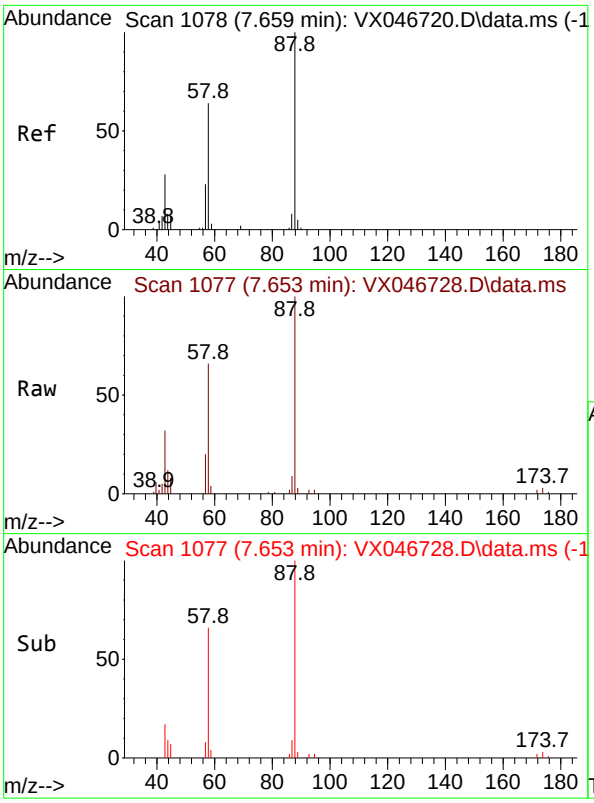



#48
Methyl methacrylate
Concen: 47.322 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 41 Resp: 80965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 63.4 | 95.2 |
| 39 | 56.3 | 45.4 | 68.0 |






#49
1,4-Dioxane
Concen: 817.840 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

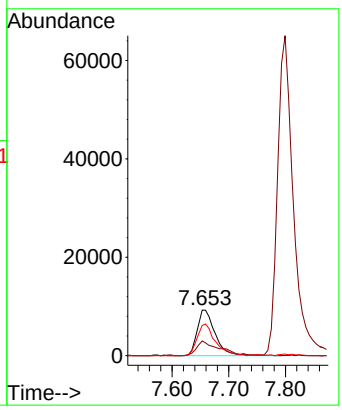
Tgt Ion: 88 Resp: 2022

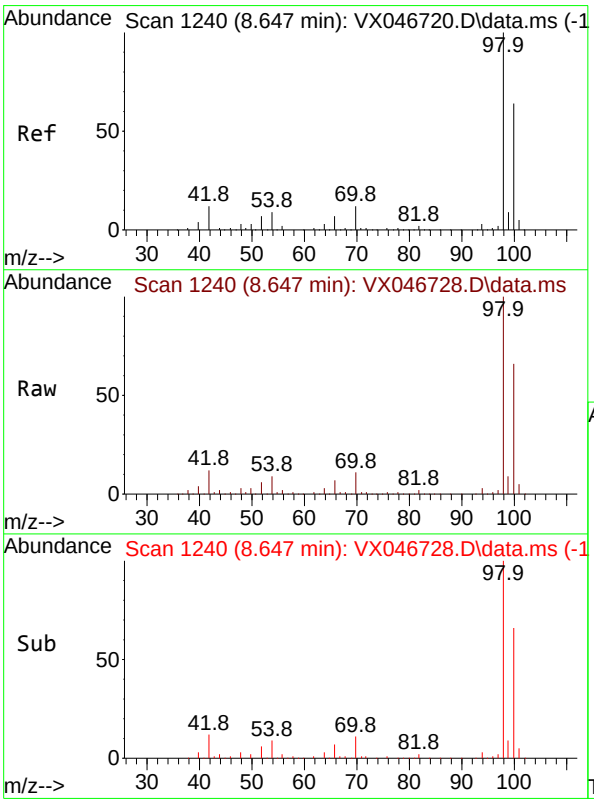
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.3 | 31.2 | 46.8 |
| 58 | 70.2 | 54.7 | 82.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

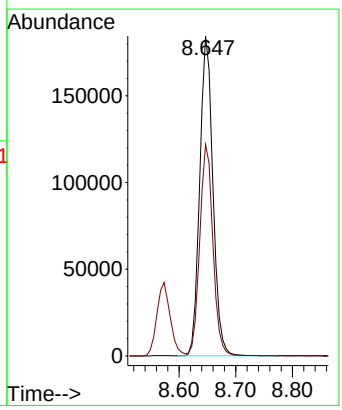


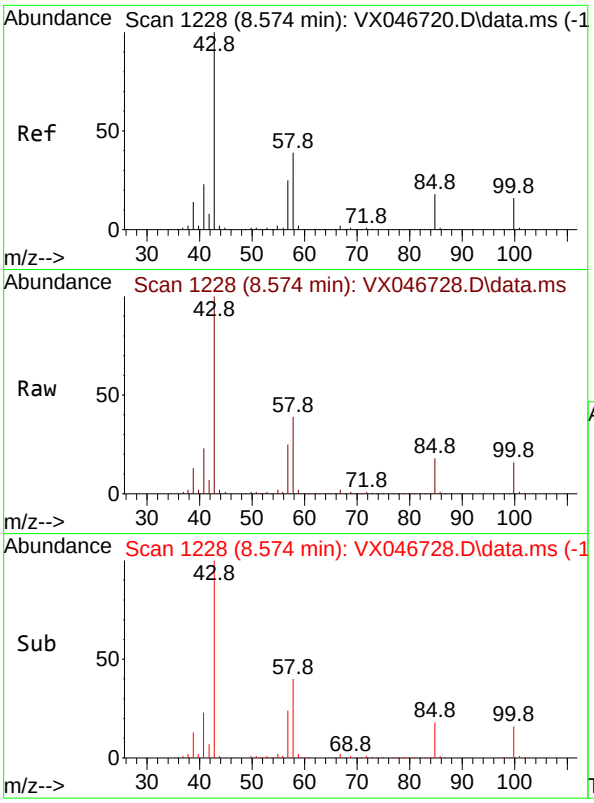




#50
Toluene-d8
Concen: 50.561 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 98 Resp: 297216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |

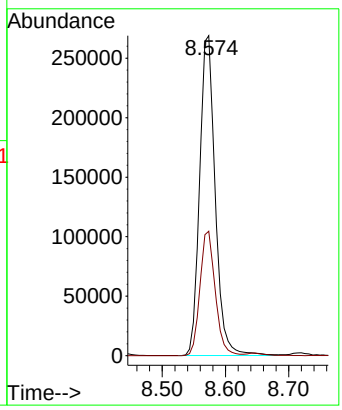





#51
4-Methyl-2-Pentanone
Concen: 227.118 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 46211

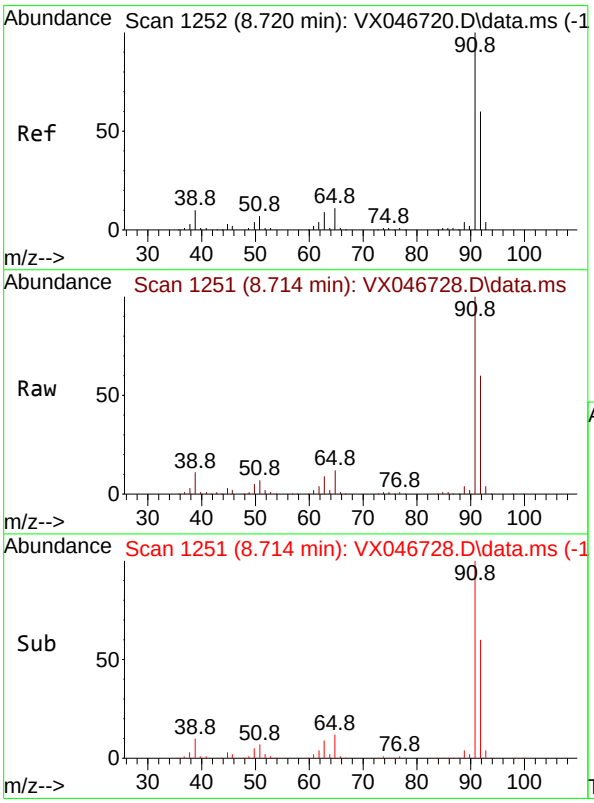
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

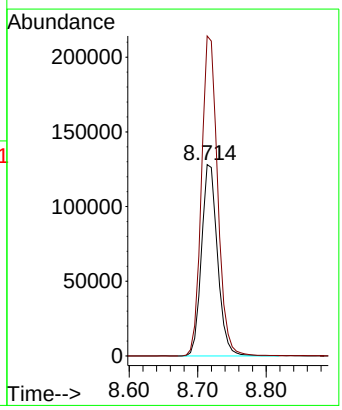
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

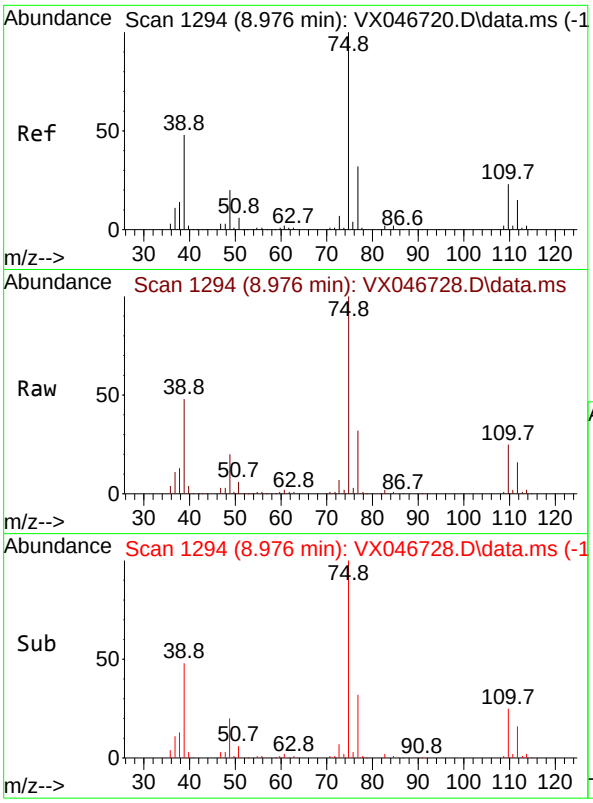



#52
Toluene
Concen: 48.176 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 92 Resp: 208762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 134.8 | 202.2 |

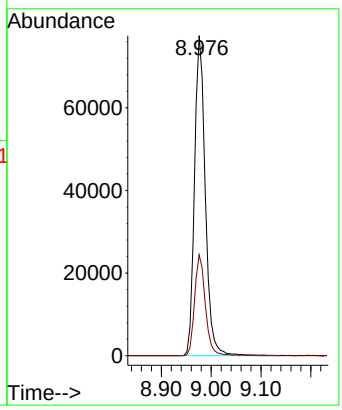





#53
t-1,3-Dichloropropene
Concen: 49.516 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 11672

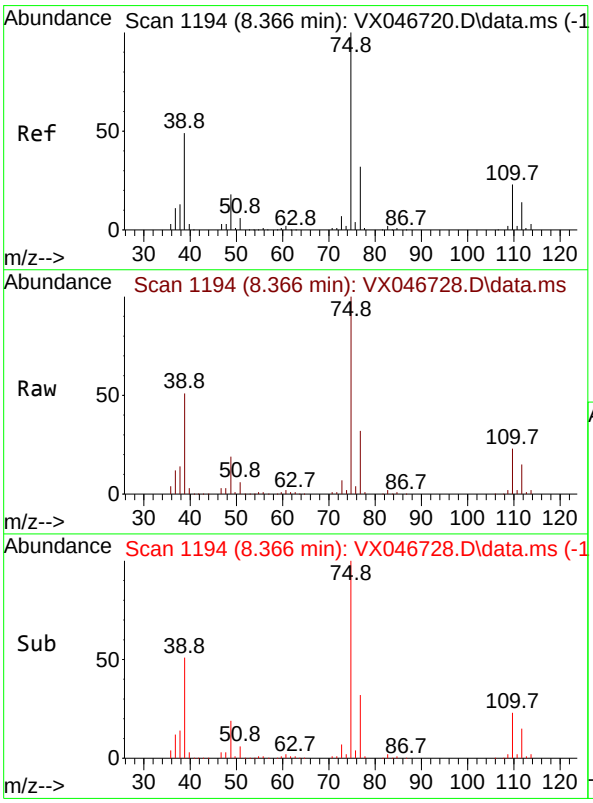
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

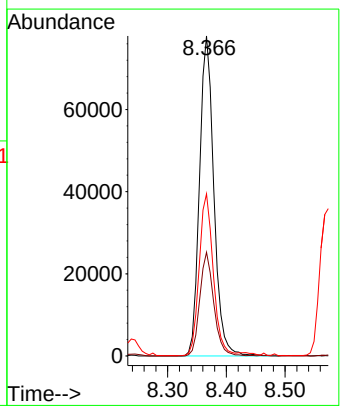
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

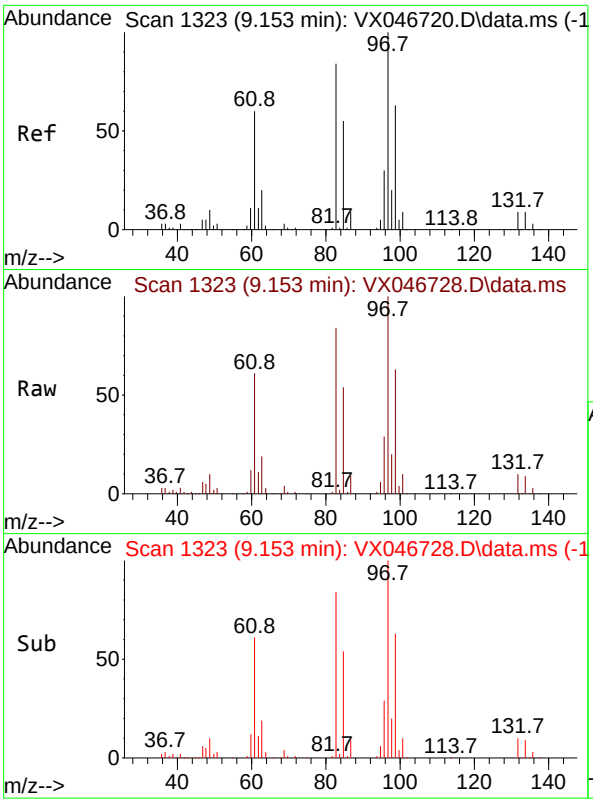



#54
cis-1,3-Dichloropropene
Concen: 49.396 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 132187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.3 | 37.9 |
| 39 | 50.6 | 39.2 | 58.8 |

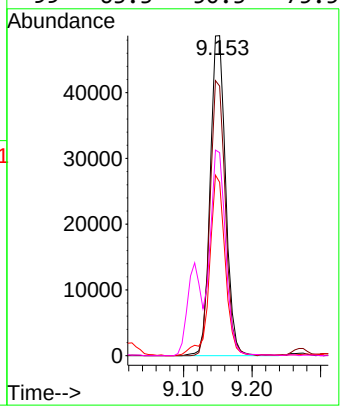





#55
1,1,2-Trichloroethane
Concen: 47.325 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 97 Resp: 7642

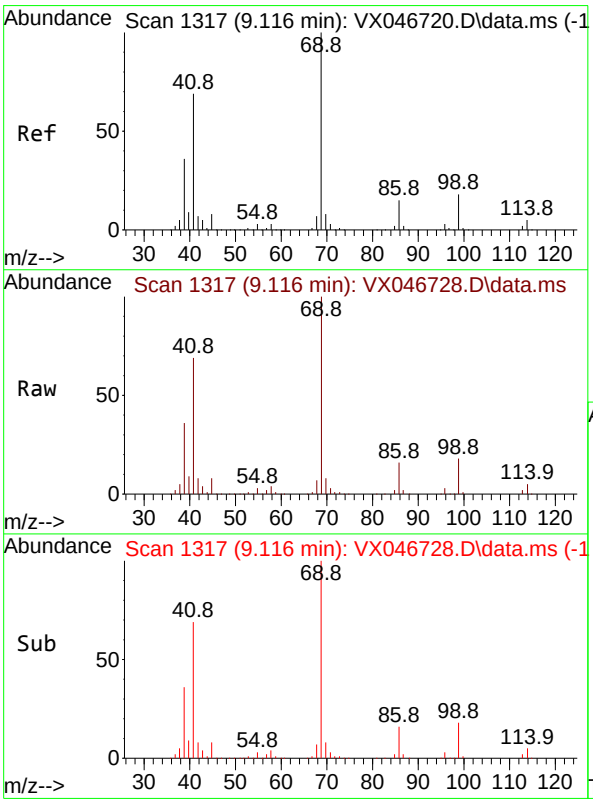
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.3 | 67.2 | 100.8 |
| 85 | 54.0 | 44.1 | 66.1 |
| 99 | 63.3 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

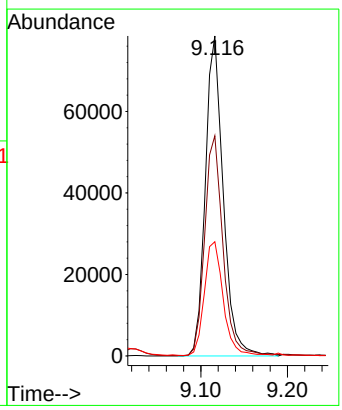
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

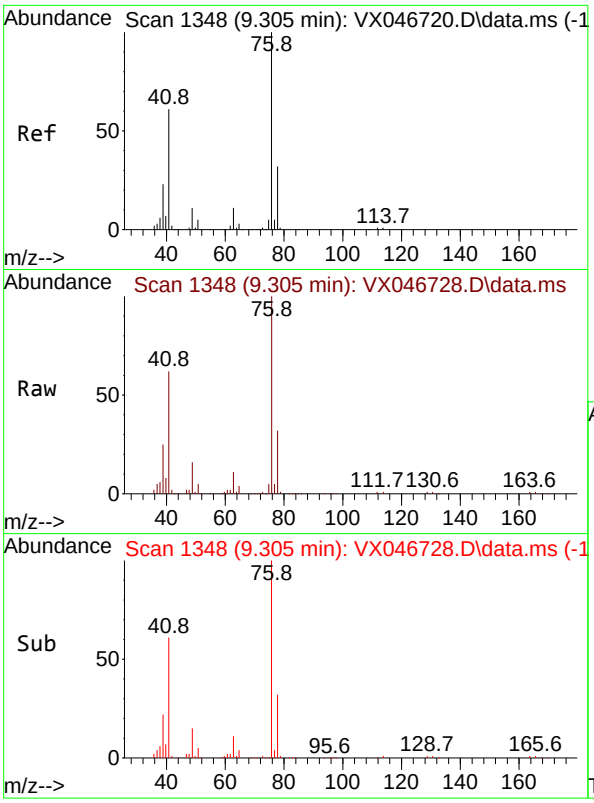



#56
Ethyl methacrylate
Concen: 47.362 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 69 Resp: 112902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |

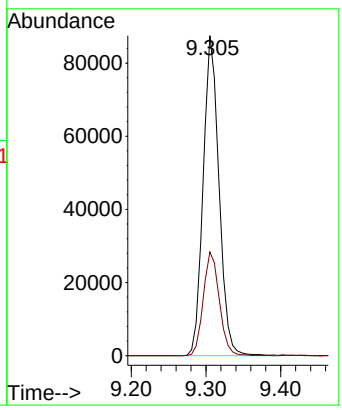





#57
1,3-Dichloropropane
Concen: 46.323 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 76 Resp: 12882

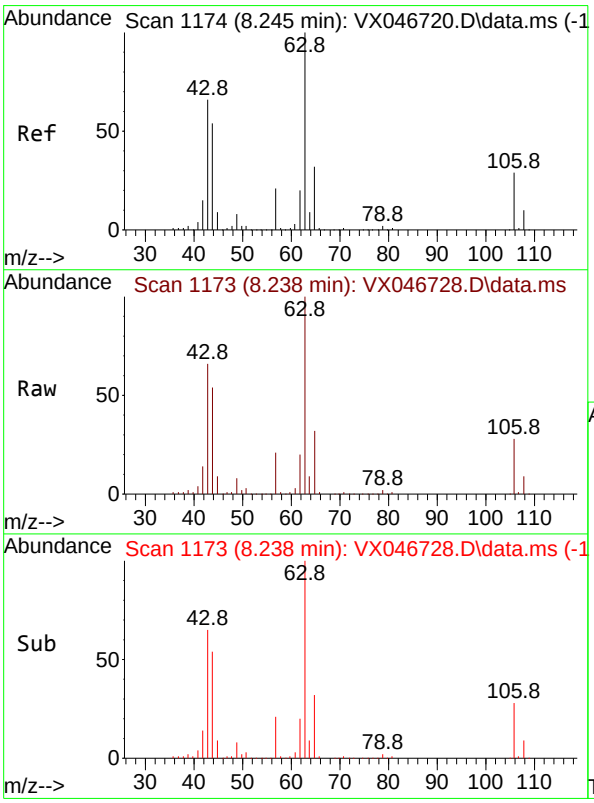
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

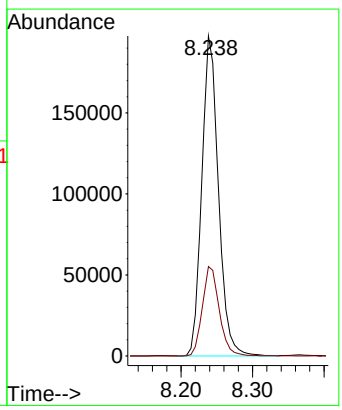
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

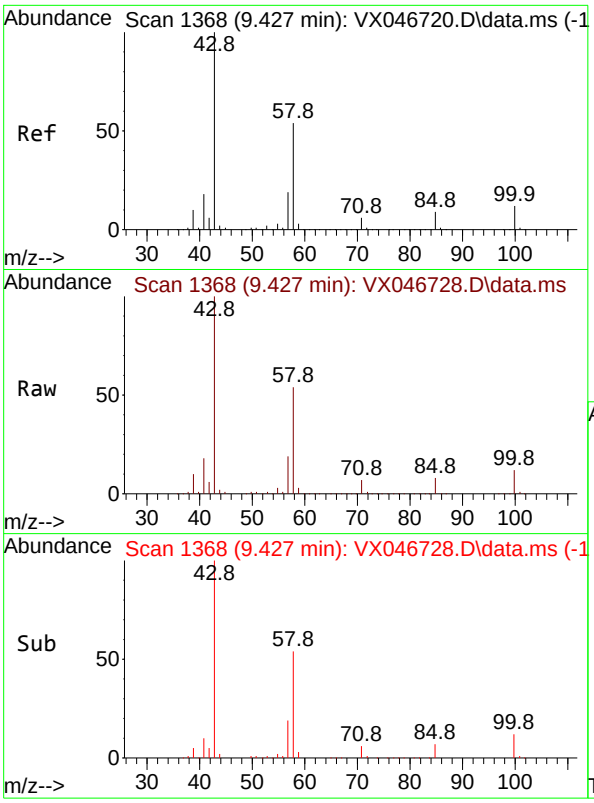



#58
2-Chloroethyl Vinyl ether
Concen: 257.912 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 63 Resp: 319370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |






#59
2-Hexanone
Concen: 224.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

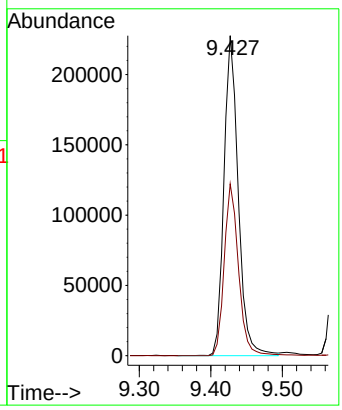
Tgt Ion: 43 Resp: 31624

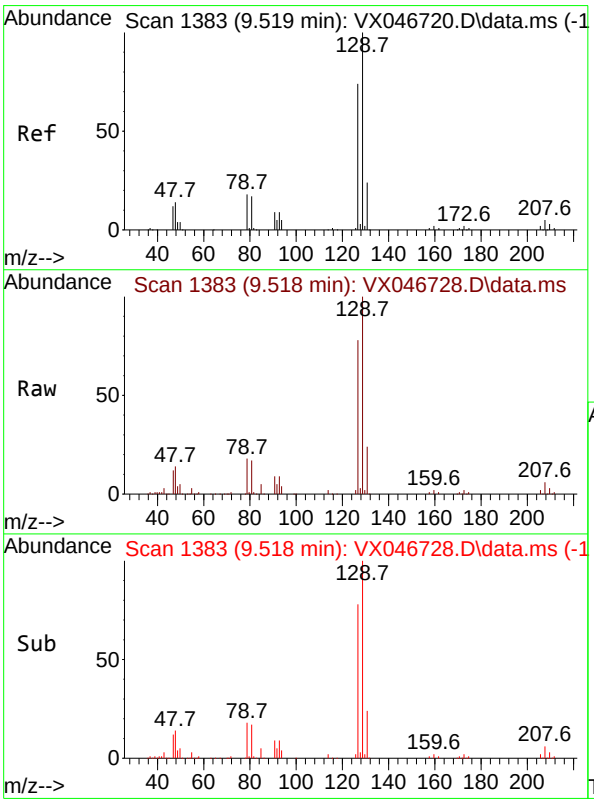
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 26.8 | 80.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

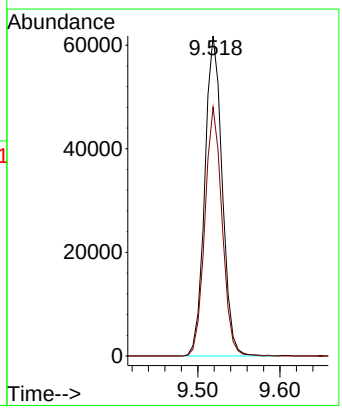


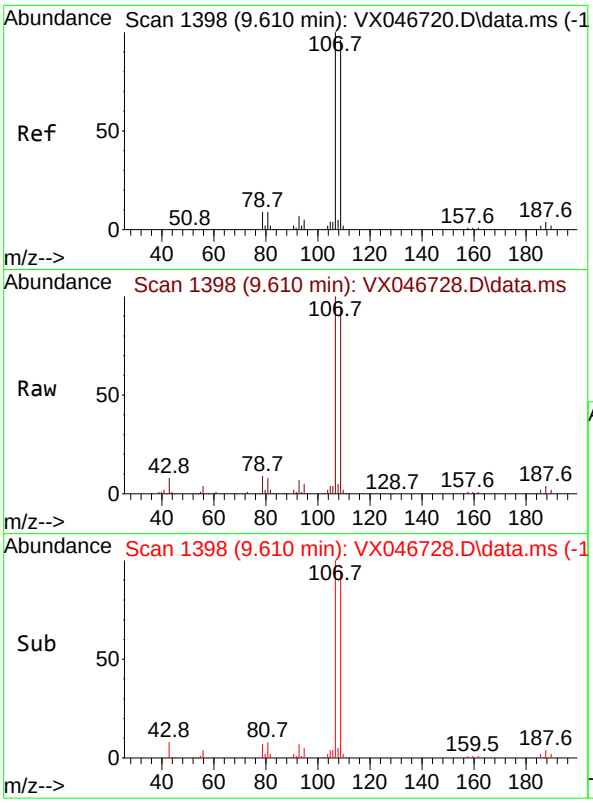




#60
Dibromochloromethane
Concen: 47.662 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:129 Resp: 90703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.7 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 47.518 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

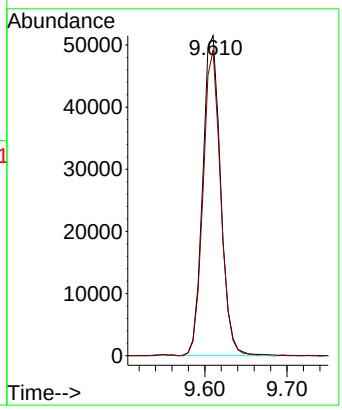
Tgt Ion:107 Resp: 7805

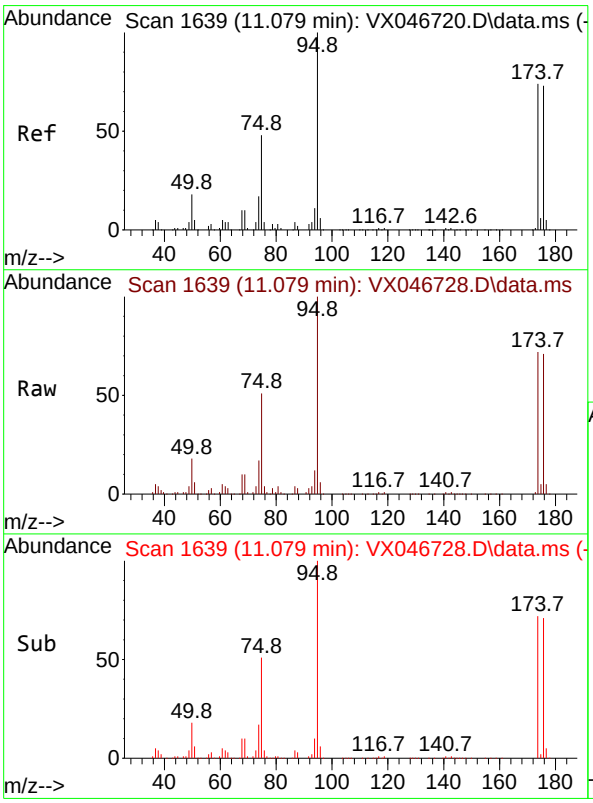
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.8 | 113.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

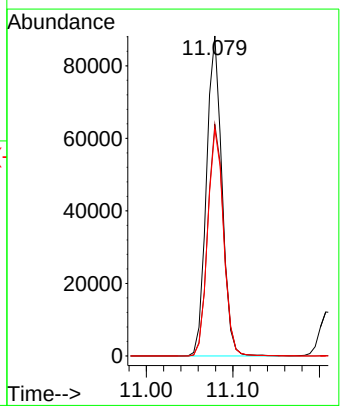


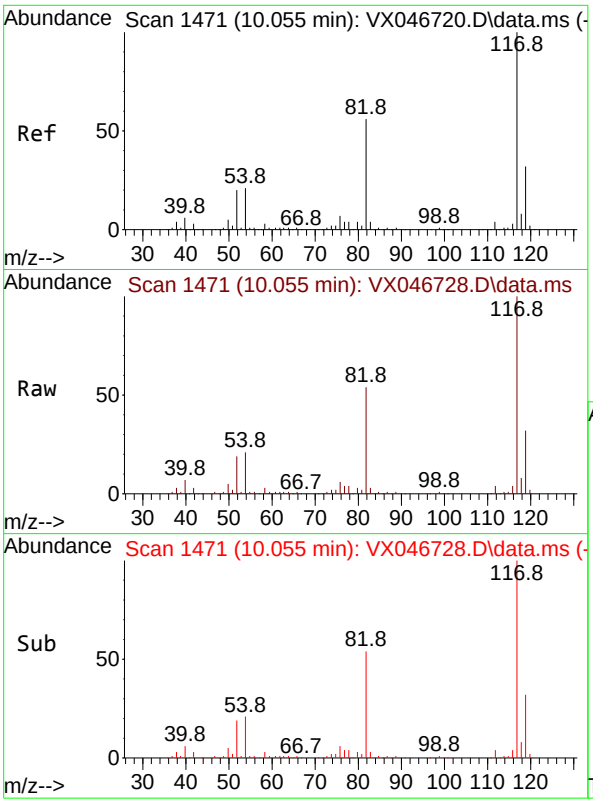




#62
4-Bromofluorobenzene
Concen: 49.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 95 Resp: 109436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

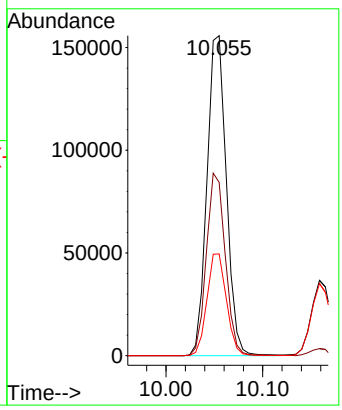
Tgt Ion:117 Resp: 21699

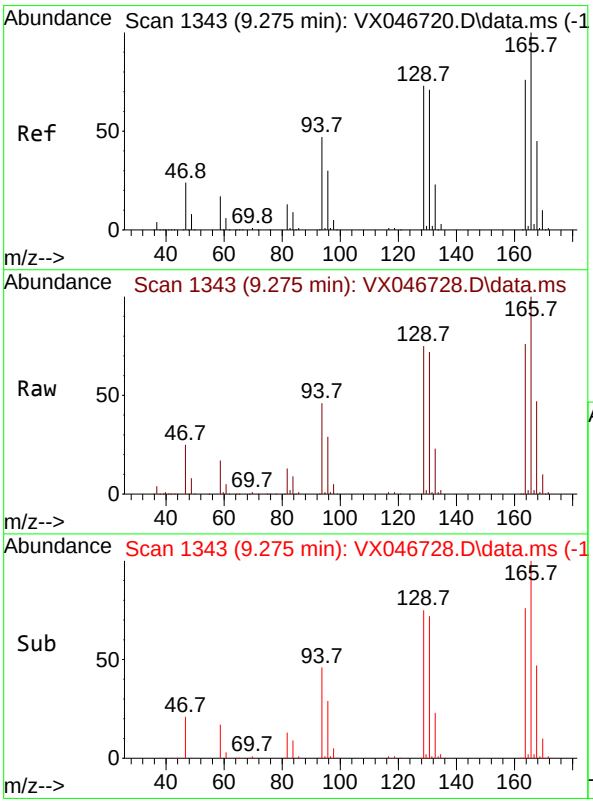
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 44.6 | 66.8 |
| 119 | 31.8 | 25.8 | 38.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

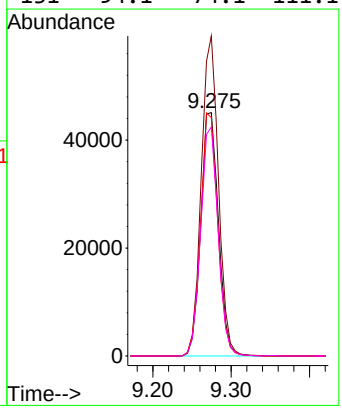


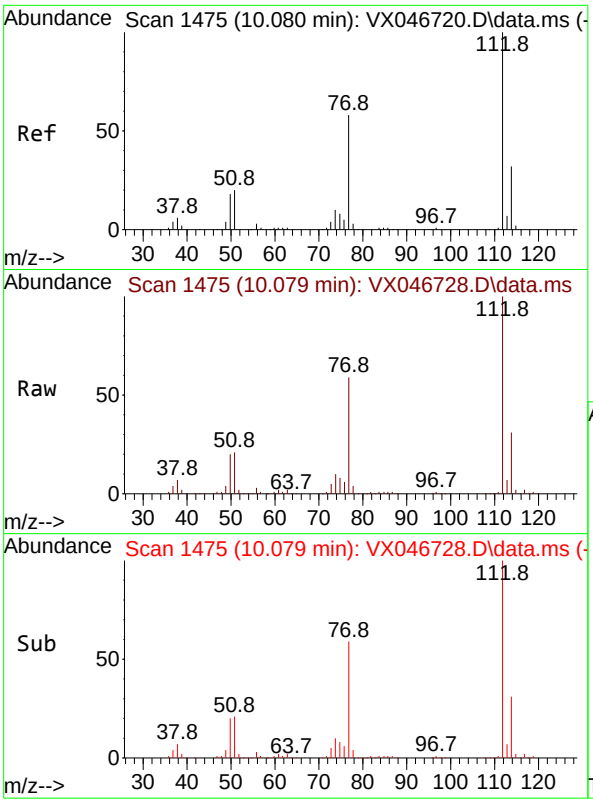




#64
Tetrachloroethene
Concen: 46.765 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:164 Resp: 70305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.5 | 104.6 | 157.0 |
| 129 | 98.0 | 76.3 | 114.5 |
| 131 | 94.1 | 74.1 | 111.1 |

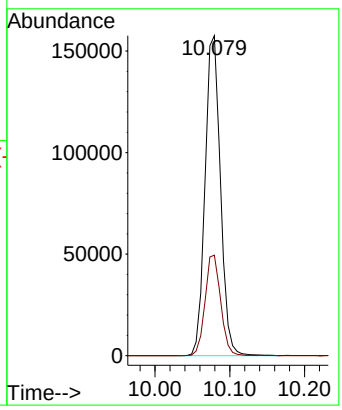





#65
Chlorobenzene
Concen: 47.007 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:112 Resp: 22516

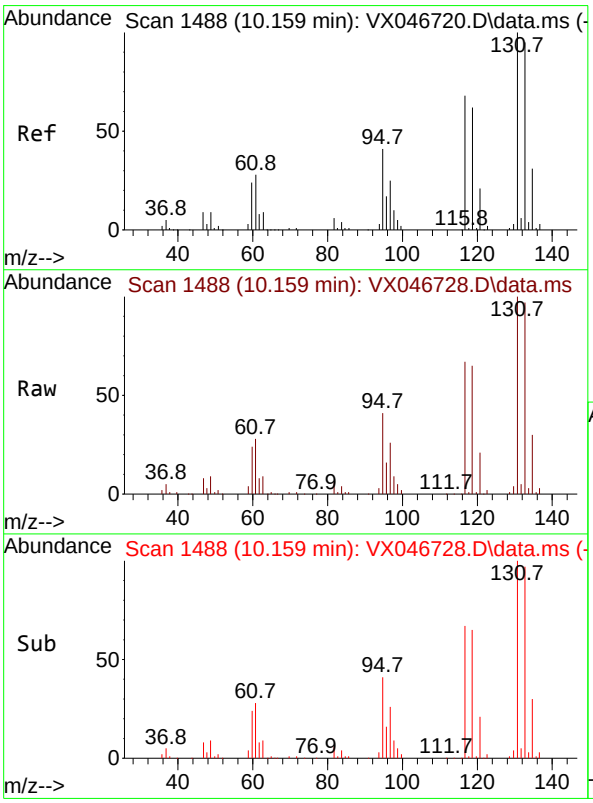
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

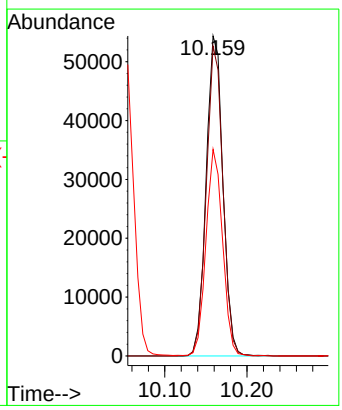
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

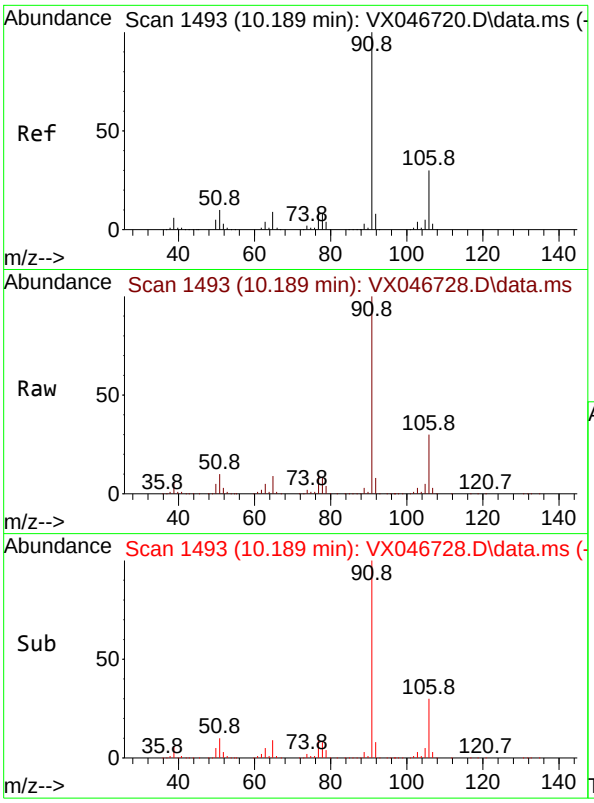



#66
1,1,1,2-Tetrachloroethane
Concen: 47.803 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:131 Resp: 76955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |






#67
Ethyl Benzene
Concen: 47.920 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

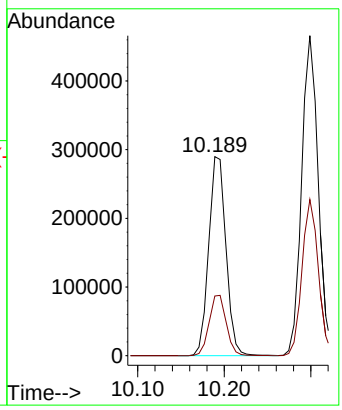
Tgt Ion: 91 Resp: 40105

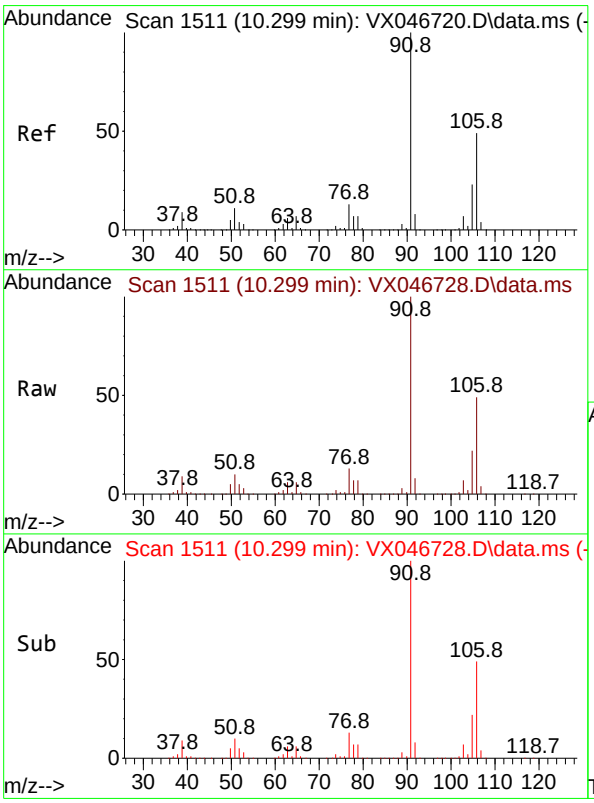
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.2 | 36.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

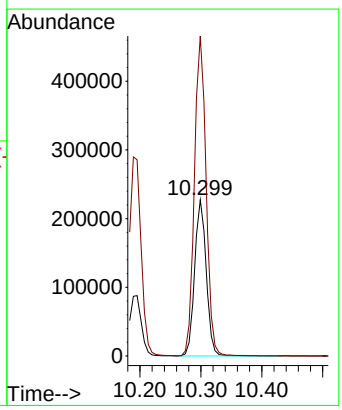


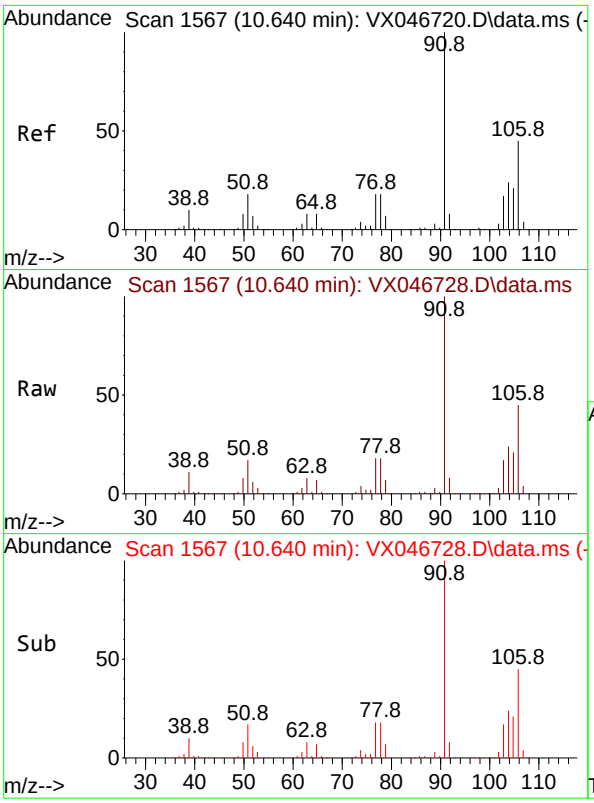




#68
m/p-Xylenes
Concen: 95.905 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:106 Resp: 299077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 164.8 | 247.2 |

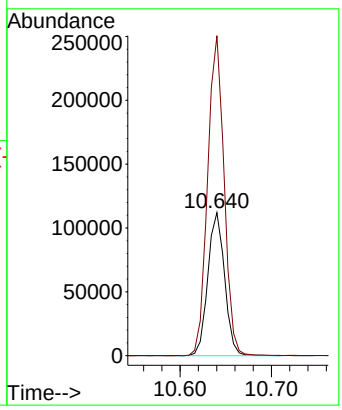





#69
o-Xylene
Concen: 48.886 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:106 Resp: 14287

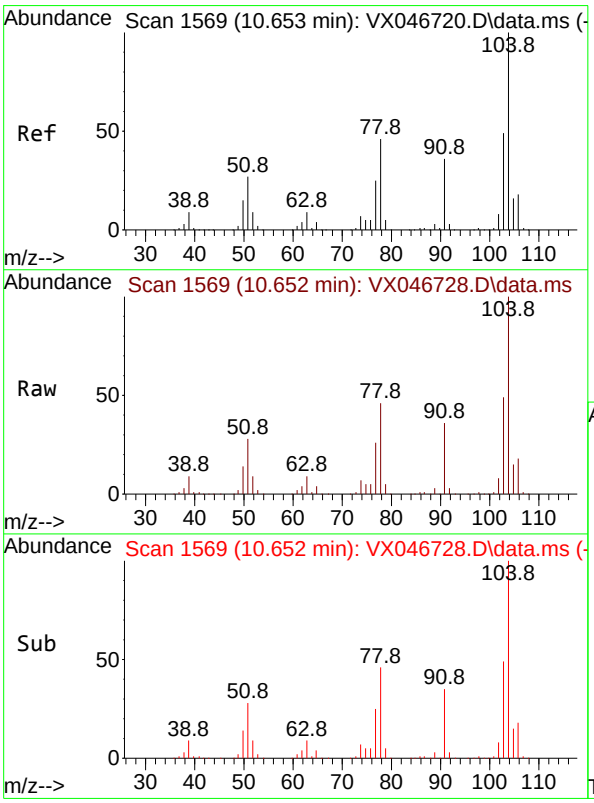
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.6 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

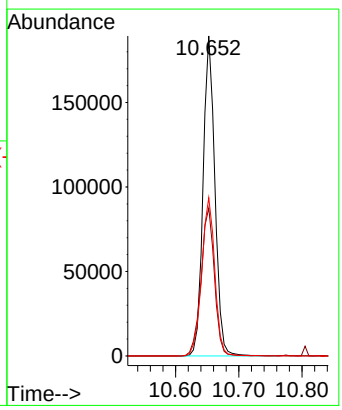
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

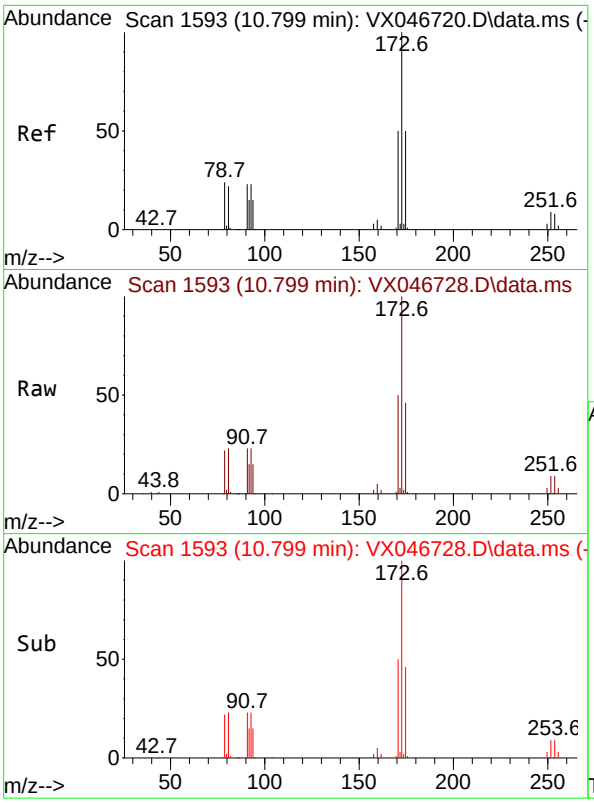



#70
Styrene
Concen: 48.325 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:104 Resp: 247158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 41.4 | 62.2 |
| 103 | 54.6 | 43.1 | 64.7 |

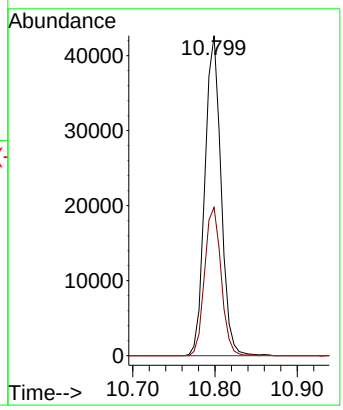





#71
Bromoform
Concen: 47.441 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:173 Resp: 5816

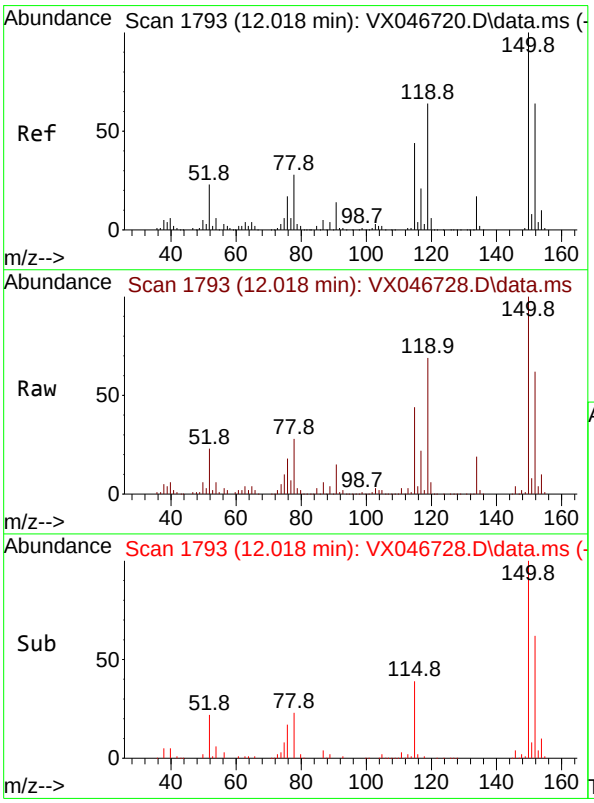
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.5 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

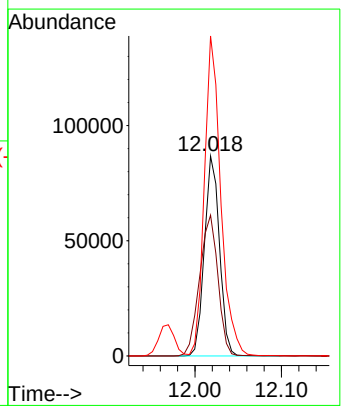
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

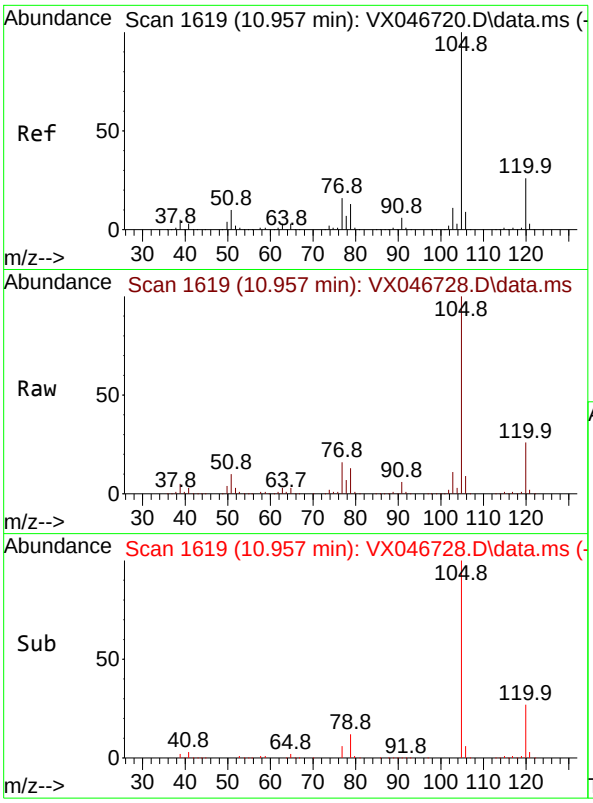



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:152 Resp: 104970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.7 | 43.2 | 129.6 |
| 150 | 173.7 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 49.504 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

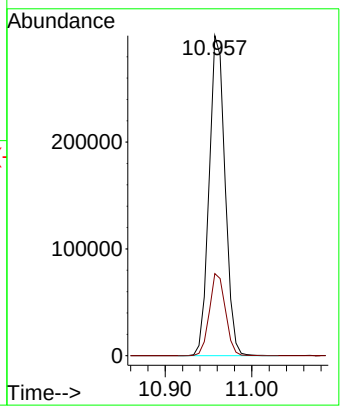
Tgt Ion:105 Resp: 382718

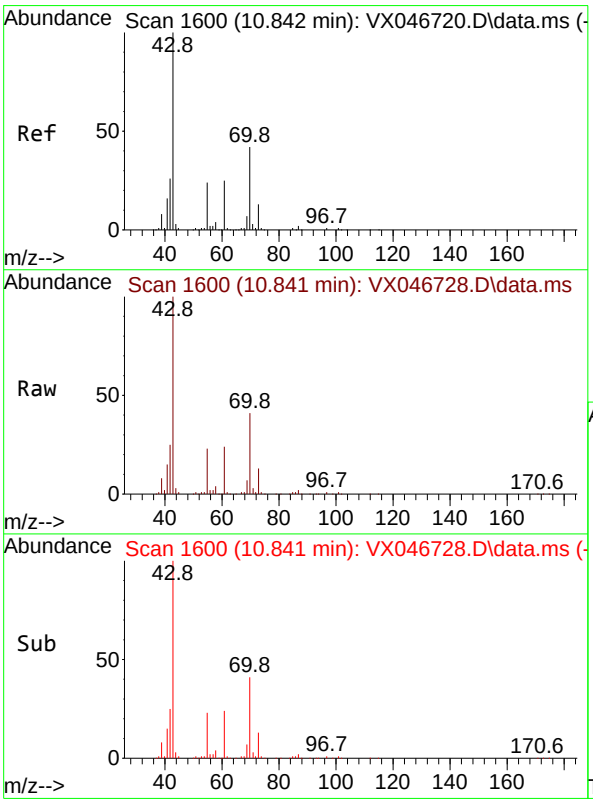
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

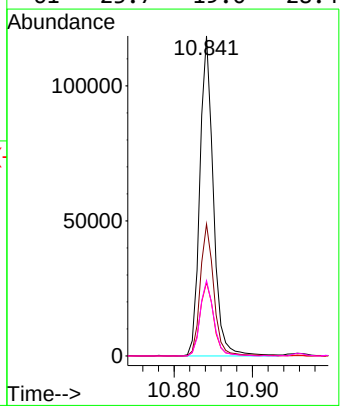


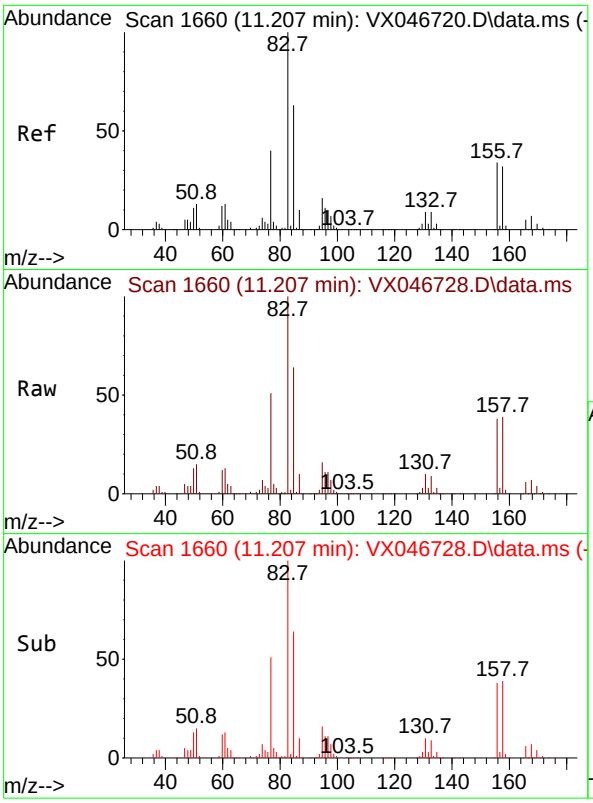




#74
N-amyl acetate
Concen: 48.357 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 141644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.7 | 19.1 | 28.7 |
| 61 | 23.7 | 19.0 | 28.4 |

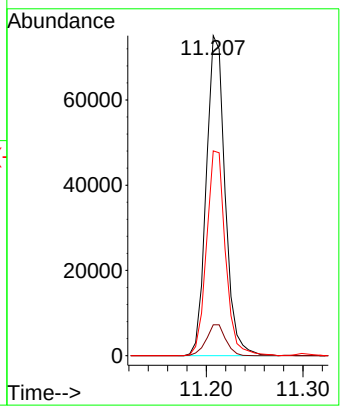





#75
1,1,2,2-Tetrachloroethane
Concen: 46.876 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 83 Resp: 10119

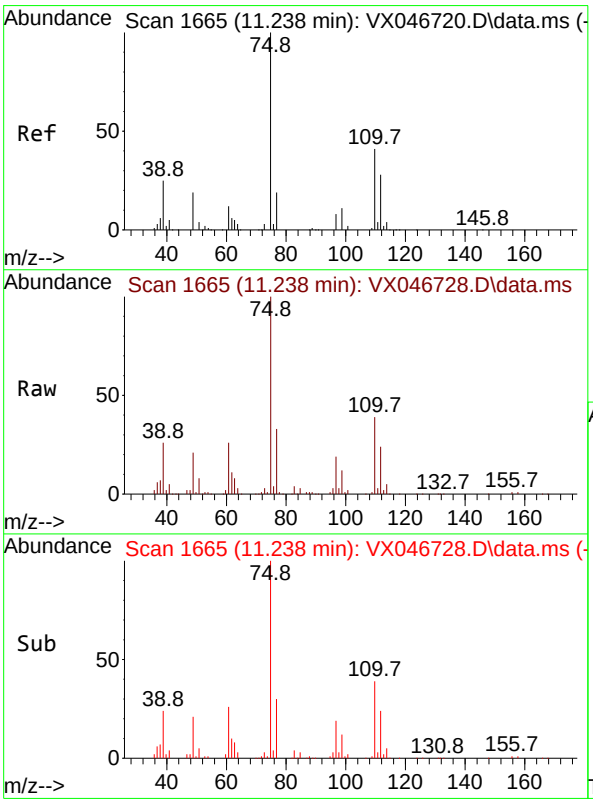
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.5 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

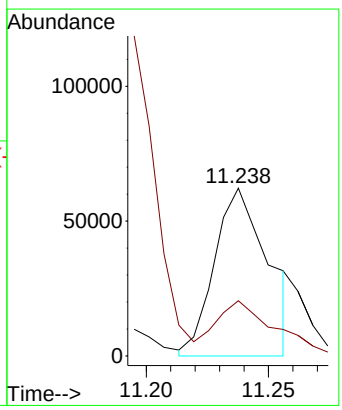
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

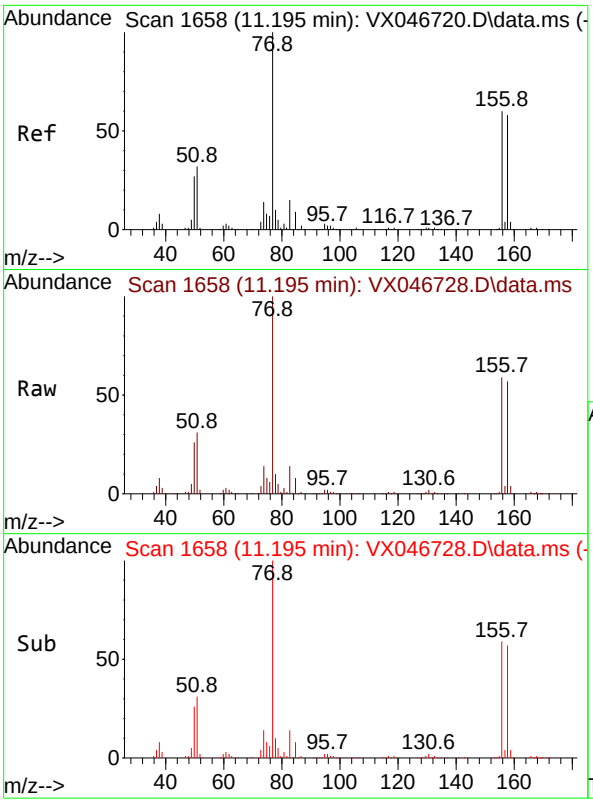



#76
1,2,3-Trichloropropane
Concen: 49.199 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 94587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.7 | 18.5 | 55.5 |

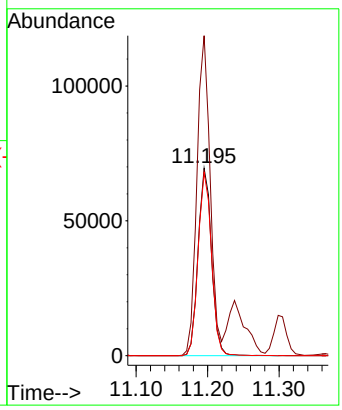





#77
Bromobenzene
Concen: 48.728 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:156 Resp: 9065

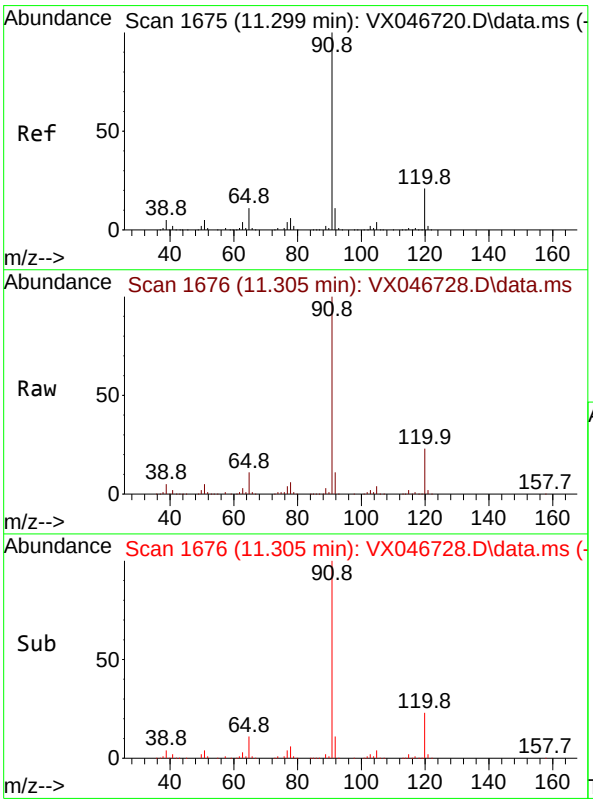
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.9 | 82.8 | 248.6 |
| 158 | 97.8 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

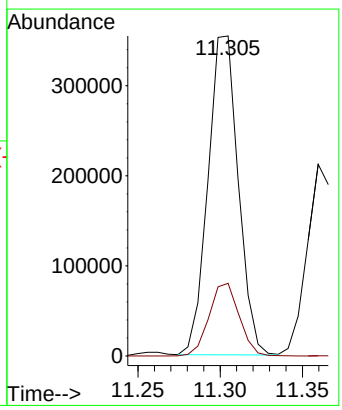
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

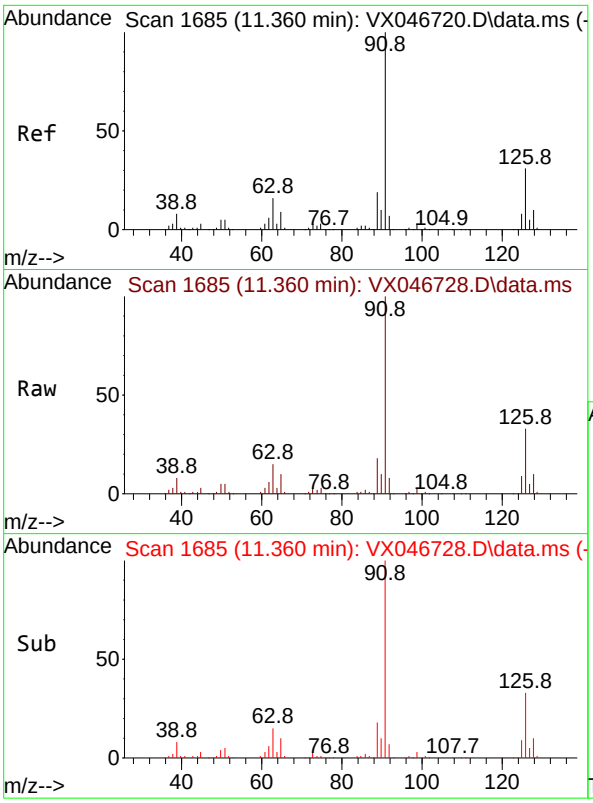



#78
n-propylbenzene
Concen: 49.480 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 91 Resp: 454356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 48.156 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

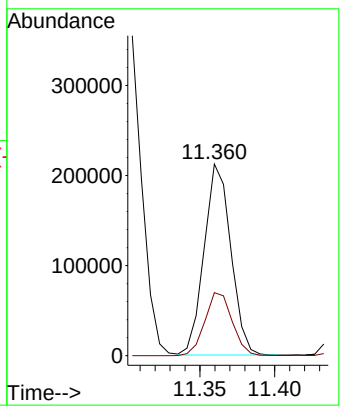
Tgt Ion: 91 Resp: 26401

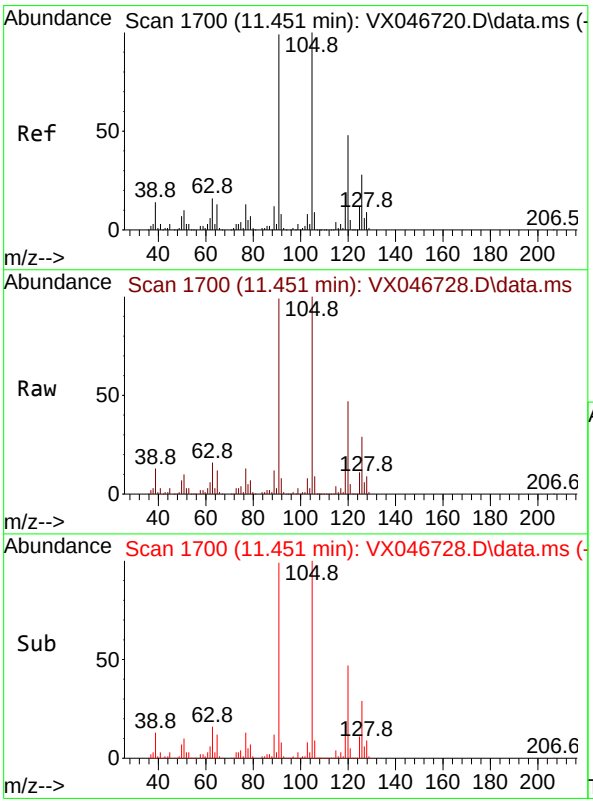
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

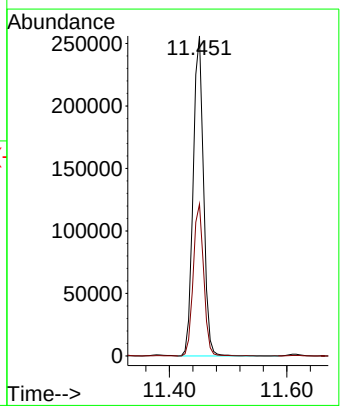


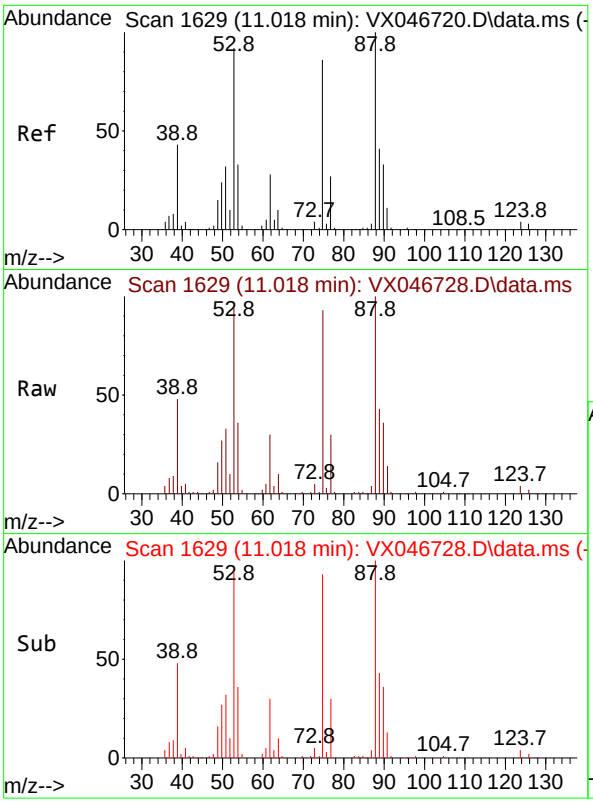




#80
1,3,5-Trimethylbenzene
Concen: 49.373 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:105 Resp: 313670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.1 | 72.2 |

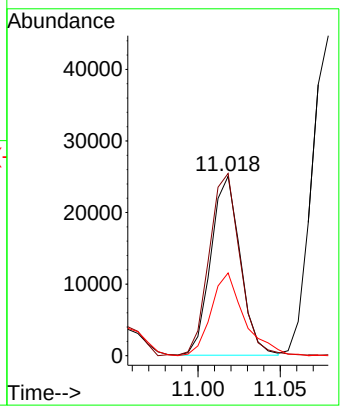





#81
trans-1,4-Dichloro-2-butene
Concen: 45.899 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 3121

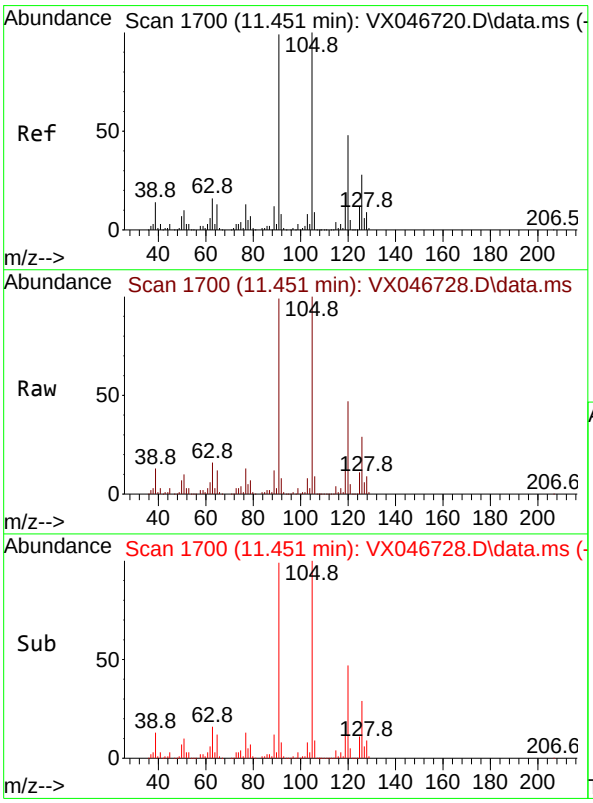
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.9 | 86.8 | 130.2 |
| 89 | 52.0 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

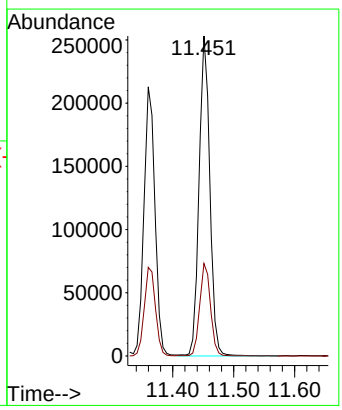
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

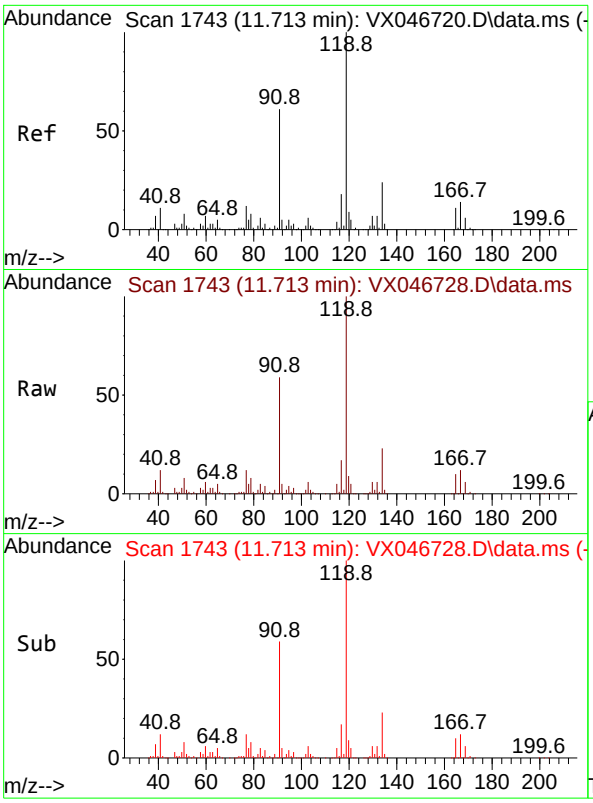



#82
4-Chlorotoluene
Concen: 48.572 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 91 Resp: 310790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |

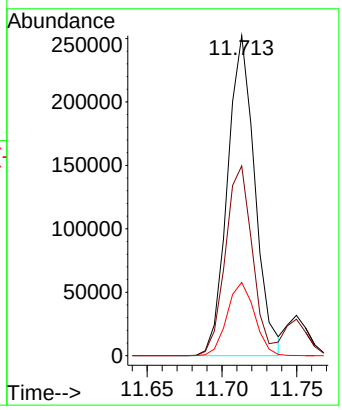





#83
tert-Butylbenzene
Concen: 48.896 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:119 Resp: 32110

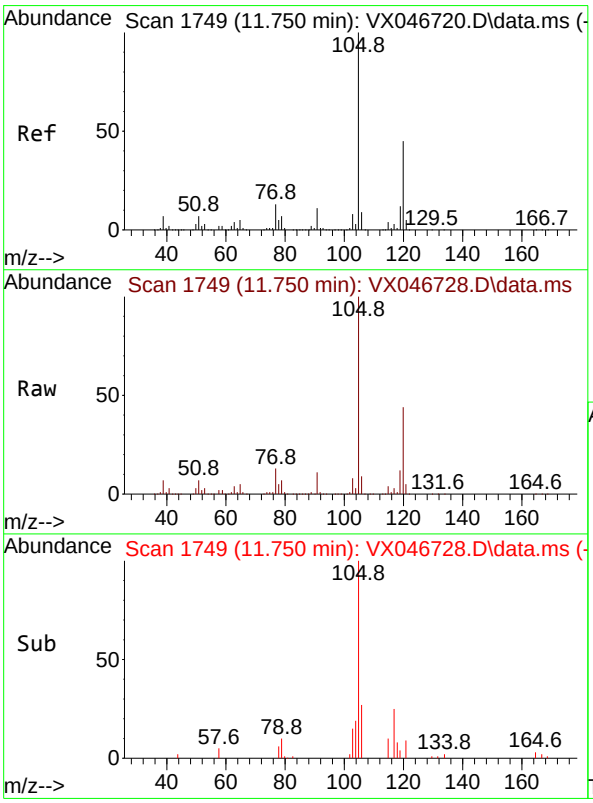
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.0 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

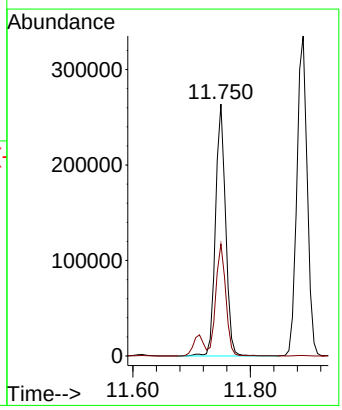
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

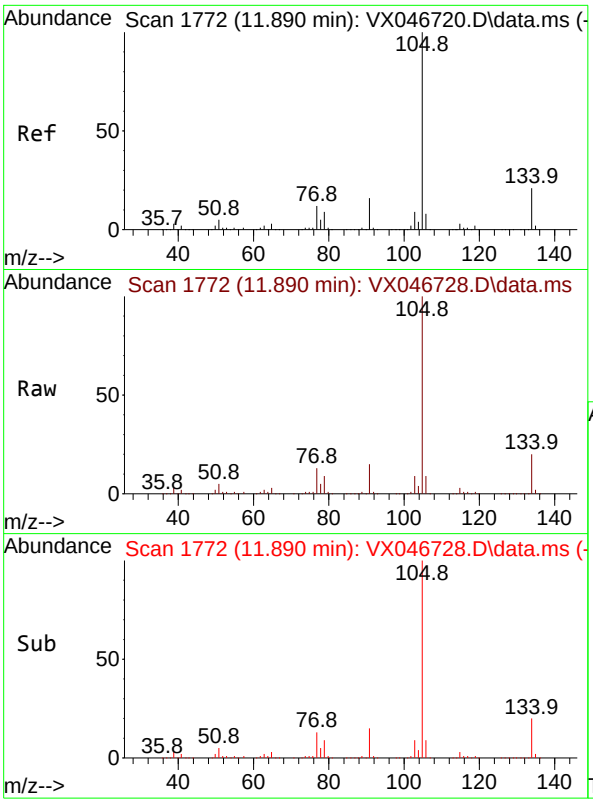



#84
1,2,4-Trimethylbenzene
Concen: 49.164 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:105 Resp: 313812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |






#85
sec-Butylbenzene
Concen: 49.388 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

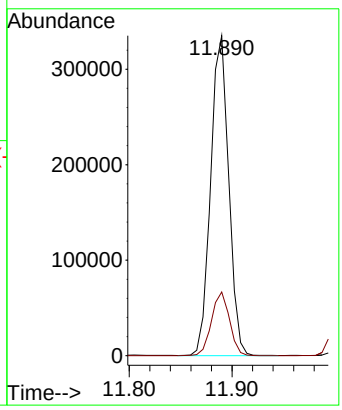
Tgt Ion:105 Resp: 40990

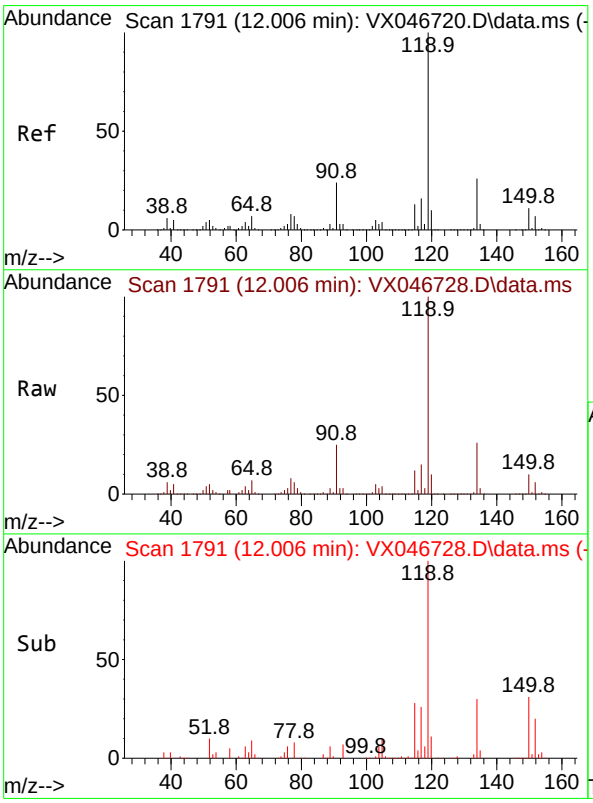
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

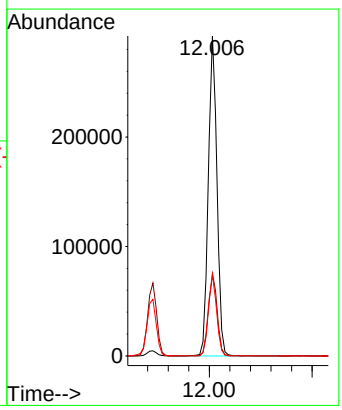


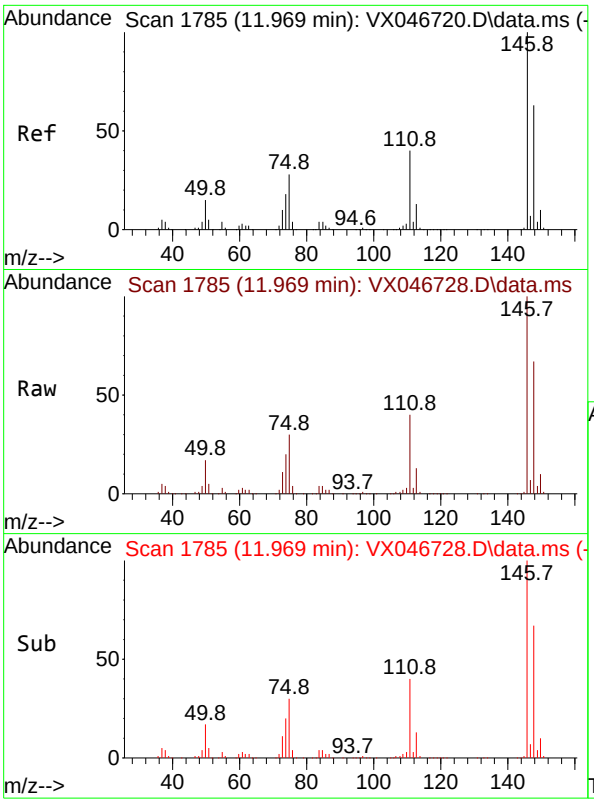




#86
p-Isopropyltoluene
Concen: 48.559 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:119 Resp: 340046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 25.0 | 12.3 | 36.9 |

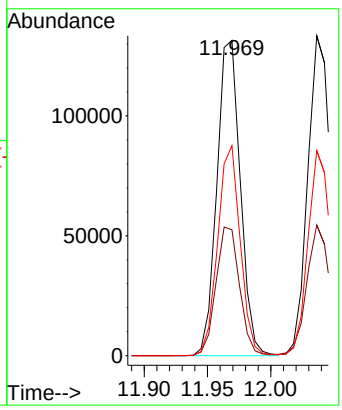





#87
1,3-Dichlorobenzene
Concen: 46.668 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:146 Resp: 16928

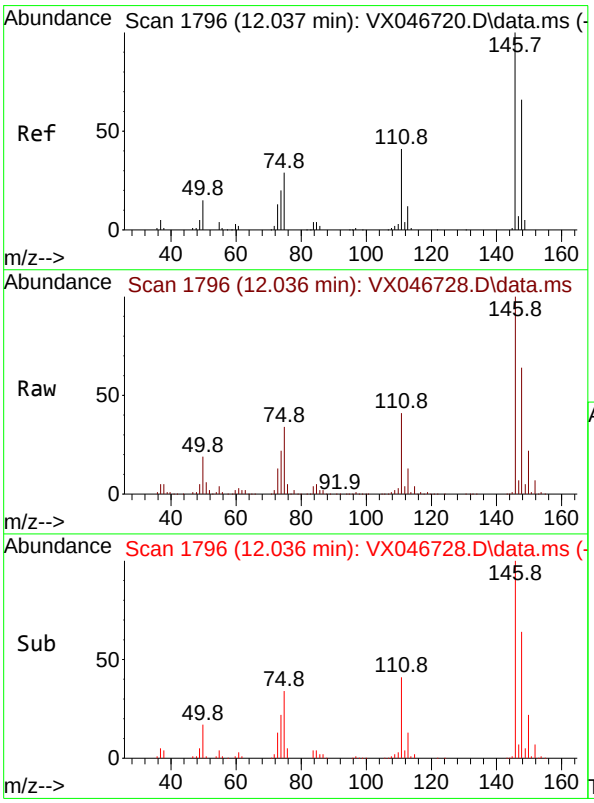
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.6 | 61.8 |
| 148 | 64.0 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

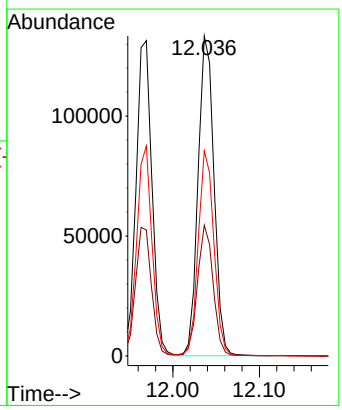
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

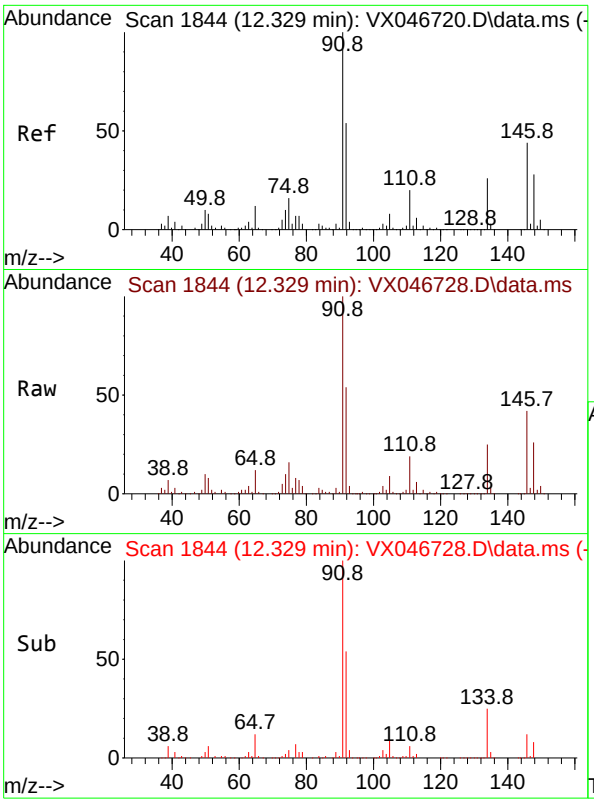



#88
1,4-Dichlorobenzene
Concen: 45.774 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:146 Resp: 170550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.3 | 61.0 |
| 148 | 63.2 | 32.1 | 96.5 |

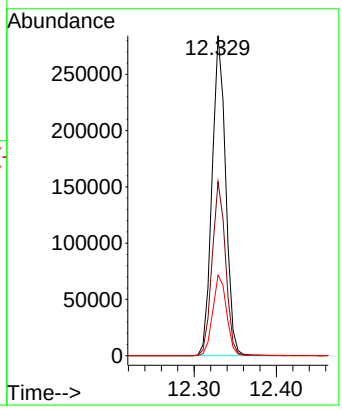





#89
n-Butylbenzene
Concen: 49.115 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 91 Resp: 32655

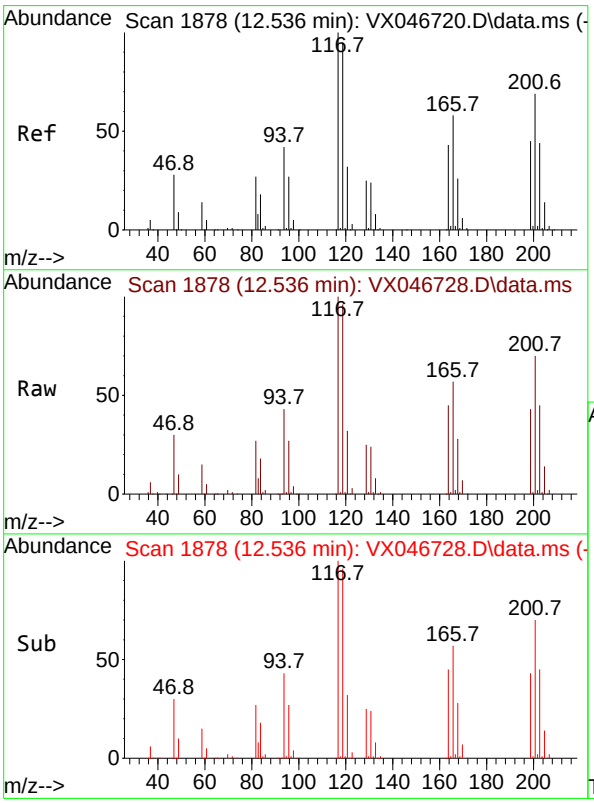
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

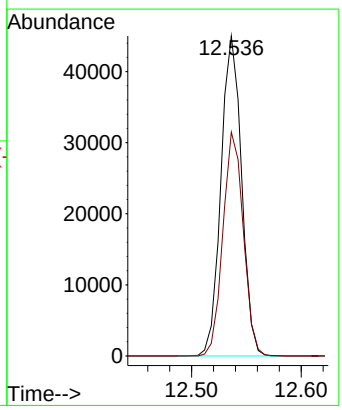
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

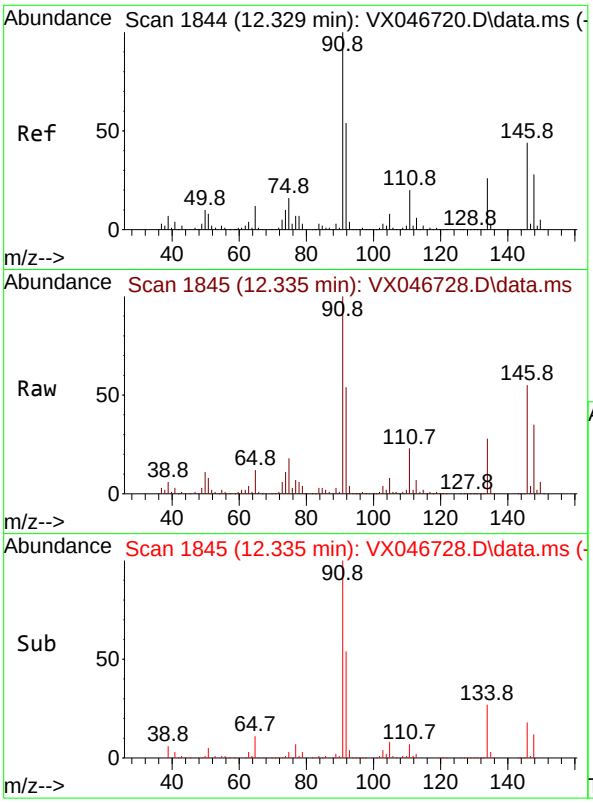



#90
Hexachloroethane
Concen: 47.909 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:117 Resp: 58749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.3 | 34.4 | 103.3 |

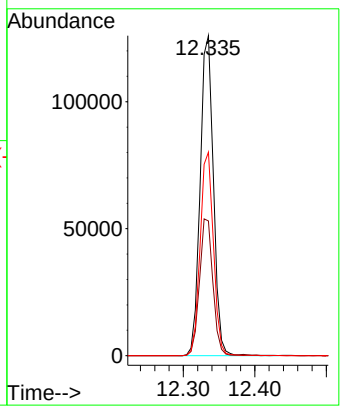





#91
1,2-Dichlorobenzene
Concen: 47.808 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:146 Resp: 16206

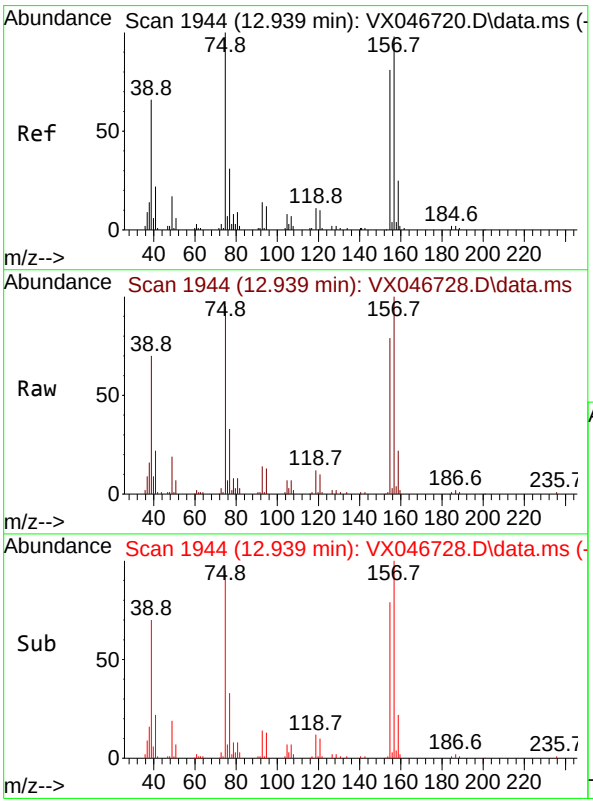
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 63.8 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

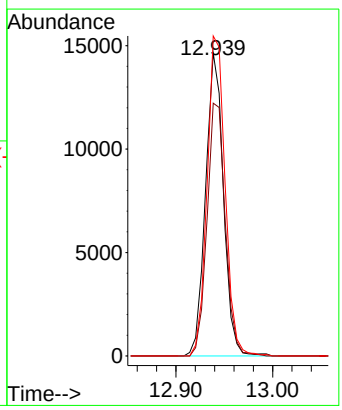
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

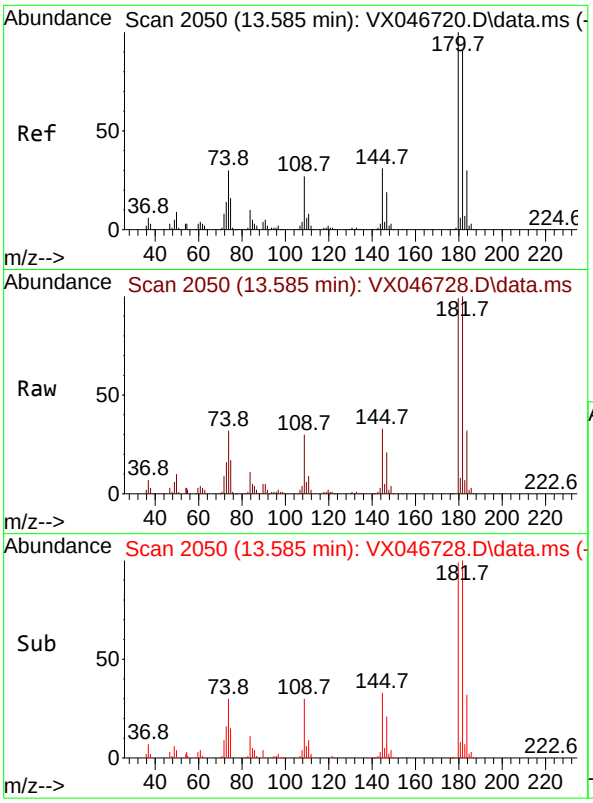



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 18854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 41.9 | 125.7 |
| 157 | 106.7 | 51.4 | 154.3 |

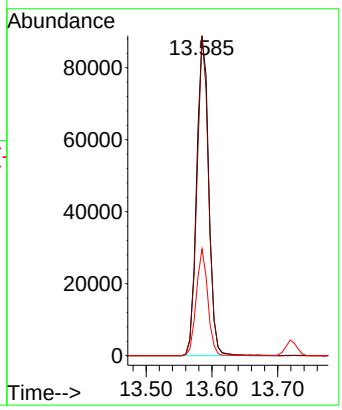





#93
1,2,4-Trichlorobenzene
Concen: 46.839 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:180 Resp: 11287

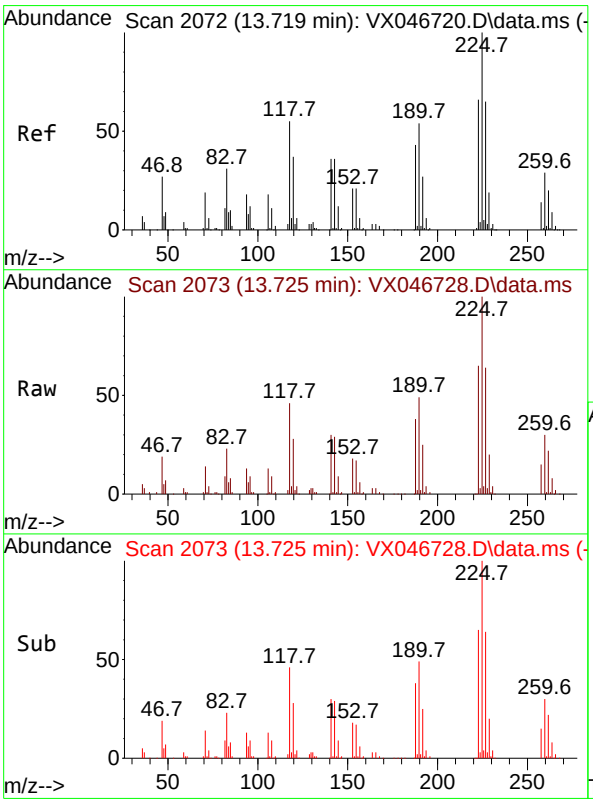
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

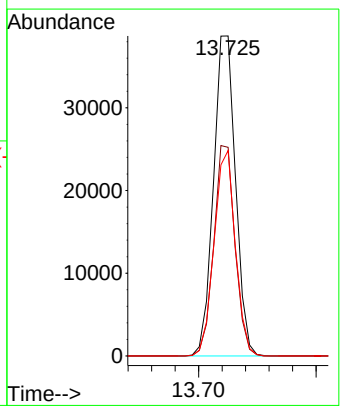
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

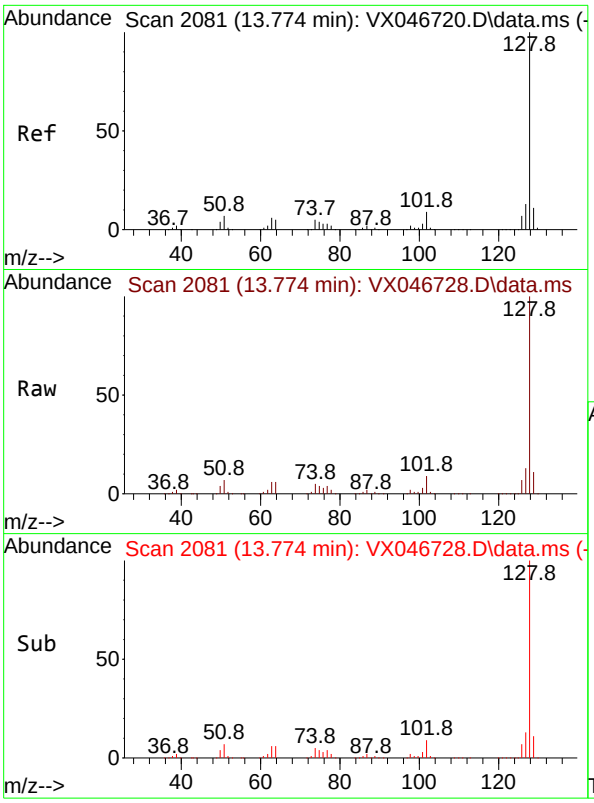



#94
Hexachlorobutadiene
Concen: 49.658 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:225 Resp: 50342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.5 | 97.5 |
| 227 | 62.0 | 32.2 | 96.6 |

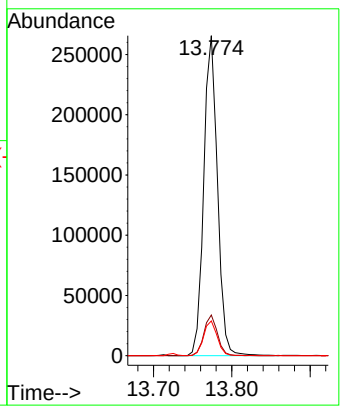





#95
Naphthalene
Concen: 46.852 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:128 Resp: 32168

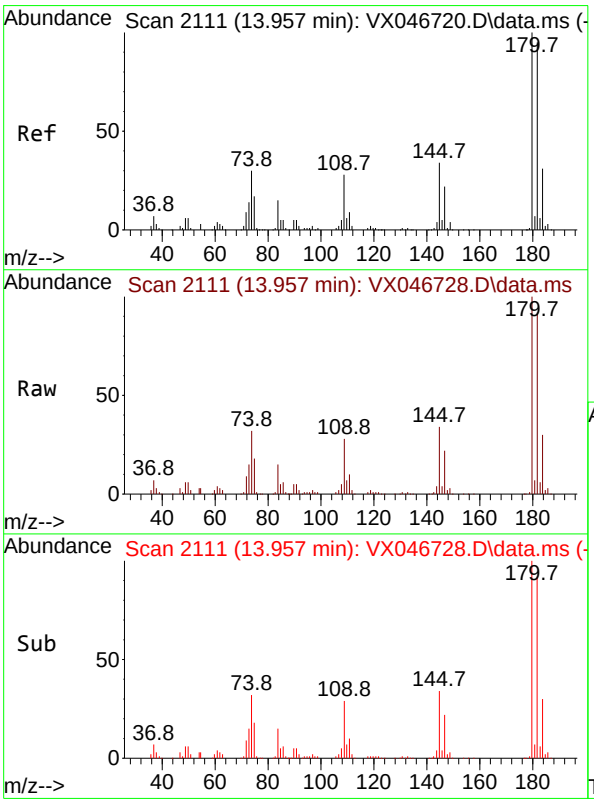
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

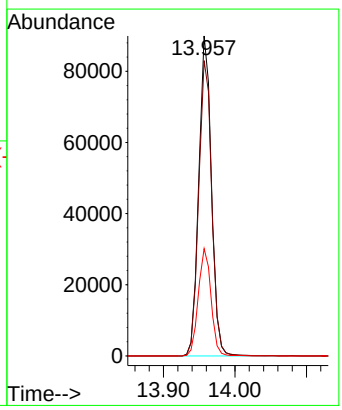
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 47.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:180 Resp: 110625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.8 | 143.4 |
| 145 | 33.7 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 124 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.573 | -7.3 | 122 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.583 | -1.2 | 122 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.631 | -2.8# | 123 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.376 | -8.7 | 127 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.378 | -1.6 | 124 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.941 | -0.9 | 121 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.320 | 0.0 | 123 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.586 | -2.4 | 126 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.653 | -1.7 | 124 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.049 | 21.0 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.558 | -1.1# | 122 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.089 | 1.1 | 126 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 0.972 | 2.9 | 121 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.257 | 7.9 | 112 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.225 | 2.6 | 127 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.541 | 7.6 | 120 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.525 | 10.4 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.613 | 6.2 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.606 | 5.5 | 123 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.568 | 3.9 | 120 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.893 | 1.6 | 119 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.492 | 2.4 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.053 | 3.6 | 120 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.284 | 12.9 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.801 | -0.6 | 131 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.660 | 4.9 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.530 | -7.1 | 136 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.185 | 12.3 | 106 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.057 | 3.2# | 118 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 0.970 | 6.4 | 119 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.905 | 5.5 | 118 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.676 | 2.3 | 129 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.340 | -2.7 | 128 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.461 | 3.6 | 117 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.389 | 11.8 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.493 | 4.8 | 116 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.608 | 3.2 | 117 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.368 | 3.2 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.231 | 1.7 | 117 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.472 | 5.0 | 115 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.637 | 7.7 | 108 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.347 | 3.6 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.339 | 3.1# | 118 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.239 | 5.2 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.499 | 2.9 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.327 | 5.5 | 107 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 0.004 | 0.004 | 0.0 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.202 | -1.1 | 127 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.374 | 9.0 | 106 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.844 | 3.7# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.472 | 1.0 | 117 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.535 | 1.1 | 118 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.309 | 5.5 | 115 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.457 | 5.2 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.521 | 7.3 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.258 | -3.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.256 | 9.9 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.367 | 4.7 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.316 | 4.8 | 114 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.443 | 0.0 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.324 | 6.4 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.038 | 6.0 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.355 | 4.3 | 115 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.848 | 4.2# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.689 | 4.2 | 115 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.658 | 2.2 | 115 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.139 | 3.4 | 114 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.268 | 5.0 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.646 | 1.0 | 115 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.349 | 3.3 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 0.964 | 6.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.901 | 1.6 | 107 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.864 | 2.5 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.328 | 1.1 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.515 | 3.7 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 2.988 | 1.3 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.297 | 8.3 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 2.961 | 2.9 | 115 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.059 | 2.2 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 2.990 | 1.6 | 115 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 3.905 | 1.2 | 115 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.239 | 2.9 | 114 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.613 | 6.7 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.625 | 8.5 | 116 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.111 | 1.8 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.560 | 4.1 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.544 | 4.4 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.180 | 11.3 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.075 | 6.4 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.480 | 0.6 | 118 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.065 | 6.3 | 108 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 1.098 | 1.054 | 4.0 | 115 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 124 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 53.715 | -7.4 | 122 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.600 | -1.2 | 122 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.321 | -2.6# | 123 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.442 | -8.9 | 127 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.722 | -1.4 | 124 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.427 | -0.9 | 121 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.967 | 0.1 | 123 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.165 | -2.3 | 126 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.950 | 8.1 | 124 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 197.513 | 21.0 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.530 | -1.1# | 122 | 0.00 |
| 13 | T | Acrolein | 250.000 | 244.874 | 2.1 | 126 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.559 | 2.9 | 121 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 230.626 | 7.7 | 112 | 0.00 |
| 16 | T | Acetone | 250.000 | 244.395 | 2.2 | 127 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.207 | 7.6 | 120 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.781 | 10.4 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.907 | 6.2 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.205 | 5.6 | 123 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.093 | 3.8 | 120 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.215 | 1.6 | 119 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 243.835 | 2.5 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.236 | 3.5 | 120 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.827 | 12.9 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.275 | -0.5 | 131 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.512 | 5.0 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.494 | -7.0 | 136 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 219.377 | 12.2 | 106 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.377 | 3.2# | 118 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.830 | 6.3 | 119 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.262 | 5.5 | 118 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.871 | 2.3 | 129 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.320 | -2.6 | 128 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.312 | 3.4 | 117 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 44.108 | 11.8 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.537 | 4.9 | 116 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.402 | 3.2 | 117 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.414 | 3.2 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.115 | 1.8 | 117 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.481 | 5.0 | 115 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.196 | 7.6 | 108 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.105 | 3.8 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.335 | 3.3# | 118 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.472 | 5.1 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.587 | 2.8 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.322 | 5.4 | 107 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 817.840 | 18.2 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.561 | -1.1 | 127 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 227.118 | 9.2 | 106 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.176 | 3.6# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.516 | 1.0 | 117 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.396 | 1.2 | 118 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.325 | 5.3 | 115 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.362 | 5.3 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.323 | 7.4 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 257.912 | -3.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 224.819 | 10.1 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.662 | 4.7 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.518 | 5.0 | 114 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.942 | 0.1 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.765 | 6.5 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.007 | 6.0 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 47.803 | 4.4 | 115 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.920 | 4.2# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.905 | 4.1 | 115 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.886 | 2.2 | 115 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.325 | 3.3 | 114 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.441 | 5.1 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.504 | 1.0 | 115 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.357 | 3.3 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.876 | 6.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.199 | 1.6 | 107 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.728 | 2.5 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.480 | 1.0 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.156 | 3.7 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.373 | 1.3 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.899 | 8.2 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.572 | 2.9 | 115 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.896 | 2.2 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.164 | 1.7 | 115 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.388 | 1.2 | 115 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.559 | 2.9 | 114 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.668 | 6.7 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.774 | 8.5 | 116 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.115 | 1.8 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.909 | 4.2 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.808 | 4.4 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.240 | 11.5 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.839 | 6.3 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.658 | 0.7 | 118 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.852 | 6.3 | 108 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 47.981 | 4.0 | 115 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 20:01

Lab File ID: VX046756.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.534 | 0.495 | | -7.3 | 50 |
| Chloromethane | 0.576 | 0.545 | 0.1 | -5.38 | 50 |
| Vinyl Chloride | 0.614 | 0.577 | | -6.03 | 50 |
| Bromomethane | 0.346 | 0.354 | | 2.31 | 50 |
| Chloroethane | 0.372 | 0.348 | | -6.45 | 50 |
| Trichlorofluoromethane | 0.933 | 0.862 | | -7.61 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.572 | 0.515 | | -9.97 | 50 |
| 1,1-Dichloroethene | 0.552 | 0.517 | | -6.34 | 50 |
| Acetone | 0.231 | 0.176 | | -23.81 | 50 |
| Carbon Disulfide | 1.668 | 1.433 | | -14.09 | 50 |
| Methyl tert-butyl Ether | 1.720 | 1.510 | | -12.21 | 50 |
| Methyl Acetate | 0.586 | 0.539 | | -8.02 | 50 |
| Methylene Chloride | 0.641 | 0.573 | | -10.61 | 50 |
| trans-1,2-Dichloroethene | 0.591 | 0.539 | | -8.8 | 50 |
| 1,1-Dichloroethane | 1.092 | 1.005 | 0.1 | -7.97 | 50 |
| Cyclohexane | 1.036 | 0.922 | | -11 | 50 |
| 2-Butanone | 0.326 | 0.268 | | -17.79 | 50 |
| Carbon Tetrachloride | 0.518 | 0.455 | | -12.16 | 50 |
| cis-1,2-Dichloroethene | 0.694 | 0.632 | | -8.93 | 50 |
| Bromochloromethane | 0.495 | 0.505 | | 2.02 | 50 |
| Chloroform | 1.092 | 1.017 | | -6.87 | 50 |
| 1,1,1-Trichloroethane | 0.958 | 0.867 | | -9.5 | 50 |
| Methylcyclohexane | 0.628 | 0.546 | | -13.06 | 50 |
| Benzene | 1.413 | 1.295 | | -8.35 | 50 |
| 1,2-Dichloroethane | 0.497 | 0.448 | | -9.86 | 50 |
| Trichloroethene | 0.360 | 0.325 | | -9.72 | 50 |
| 1,2-Dichloropropane | 0.350 | 0.321 | | -8.29 | 50 |
| Bromodichloromethane | 0.514 | 0.475 | | -7.59 | 50 |
| 4-Methyl-2-Pentanone | 0.411 | 0.348 | | -15.33 | 50 |
| Toluene | 0.876 | 0.801 | | -8.56 | 50 |
| t-1,3-Dichloropropene | 0.477 | 0.432 | | -9.43 | 50 |
| cis-1,3-Dichloropropene | 0.541 | 0.489 | | -9.61 | 50 |
| 1,1,2-Trichloroethane | 0.327 | 0.294 | | -10.09 | 50 |
| 2-Hexanone | 0.284 | 0.237 | | -16.55 | 50 |
| Dibromochloromethane | 0.385 | 0.345 | | -10.39 | 50 |
| 1,2-Dibromoethane | 0.332 | 0.302 | | -9.04 | 50 |
| Tetrachloroethene | 0.346 | 0.299 | | -13.58 | 50 |
| Chlorobenzene | 1.104 | 0.976 | 0.3 | -11.59 | 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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 20:01

Lab File ID: VX046756.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.929 | 1.726 | | -10.52 | 50 |
| m/p-Xylenes | 0.719 | 0.649 | | -9.74 | 50 |
| o-Xylene | 0.673 | 0.627 | | -6.84 | 50 |
| Styrene | 1.179 | 1.077 | | -8.65 | 50 |
| Bromoform | 0.282 | 0.247 | 0.1 | -12.41 | 50 |
| Isopropylbenzene | 3.682 | 3.343 | | -9.21 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.028 | 0.894 | 0.3 | -13.03 | 50 |
| 1,3-Dichlorobenzene | 1.728 | 1.510 | | -12.62 | 50 |
| 1,4-Dichlorobenzene | 1.775 | 1.497 | | -15.66 | 50 |
| 1,2-Dichlorobenzene | 1.615 | 1.425 | | -11.77 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.203 | 0.162 | | -20.2 | 50 |
| 1,2,4-Trichlorobenzene | 1.148 | 1.012 | | -11.85 | 50 |
| 1,2,3-Trichlorobenzene | 1.098 | 0.970 | | -11.66 | 50 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.697 | | 0.72 | 50 |
| Dibromofluoromethane | 0.331 | 0.344 | | 3.93 | 50 |
| Toluene-d8 | 1.189 | 1.233 | | 3.7 | 50 |
| 4-Bromofluorobenzene | 0.443 | 0.468 | | 5.64 | 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\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 147171 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 245322 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 219512 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 108993 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 102581 | 50.393 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.780% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 84461 | 52.036 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.080% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 302526 | 51.878 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 114717 | 52.773 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 72915 | 46.406 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 80256 | 47.322 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 84851 | 46.917 | ug/l | 95 |
| 5) Bromomethane | 1.624 | 94 | 52119 | 51.222 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 51222 | 46.730 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 126840 | 46.190 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 44591 | 47.316 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 75822 | 45.008 | ug/l | 98 |
| 10) Methyl Iodide | 2.471 | 142 | 93925 | 45.013 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 31066 | 170.030 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 76120 | 46.826 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 44323 | 166.547 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 132100 | 44.851 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 175968 | 214.185 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 129697 | 191.058 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 210930 | 42.969 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 79308 | 45.999 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 222251 | 43.909 | ug/l | 99 |
| 20) Methylene Chloride | 2.806 | 84 | 84354 | 44.683 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 79262 | 45.569 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 267893 | 47.321 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1024877 | 227.659 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 147938 | 46.026 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 197094 | 205.290 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 92807 | 39.588 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 93038 | 45.529 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 74387 | 51.048 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 127418 | 205.472 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 149634 | 46.550 | ug/l | 97 |
| 31) Cyclohexane | 5.483 | 56 | 135676 | 44.511 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 127606 | 45.264 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 104633 | 44.657 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 84355 | 39.004 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111681 | 43.921 | ug/l | 96 |
| 39) Methylcyclohexane | 7.385 | 83 | 134029 | 43.470 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 317609 | 45.803 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 52937 | 45.912 ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 109861 | 45.085 ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 145231 | 42.913 ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 79747 | 45.127 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 78681 | 45.784 ug/l | | 96 |
| 46) Dibromomethane | 7.586 | 93 | 54751 | 44.330 ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 116648 | 46.281 ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 76410 | 45.018 ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17317 | 709.769 ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 426571 | 211.334 ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 196480 | 45.706 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105920 | 45.294 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 120007 | 45.205 ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72014 | 44.953 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 107478 | 45.449 ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 124482 | 45.123 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 301235 | 245.221 ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 291231 | 208.701 ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 84597 | 44.810 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 74132 | 45.493 ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 65730 | 43.220 ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 214231 | 44.211 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 72969 | 44.807 ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 378885 | 44.751 ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284969 | 90.331 ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 137712 | 46.579 ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 236334 | 45.677 ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54246 | 43.738 ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 364363 | 45.390 ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 130567 | 42.930 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 97413 | 43.460 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 89781m | 44.975 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 86736 | 44.901 ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 433663 | 45.483 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 250652 | 44.031 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 298840 | 45.302 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28199 | 39.929 ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 294514 | 44.330 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 301413 | 44.204 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 299612 | 45.207 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 386175 | 44.812 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 320650 | 44.100 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 164581 | 43.697 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 163149 | 42.172 ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 304915 | 44.167 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55261 | 43.401 ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 155261 | 44.112 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 17688 | 39.972 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 110321 | 44.088 ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45201 | 42.941 ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 309610 | 43.429 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105752 | 44.175 ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

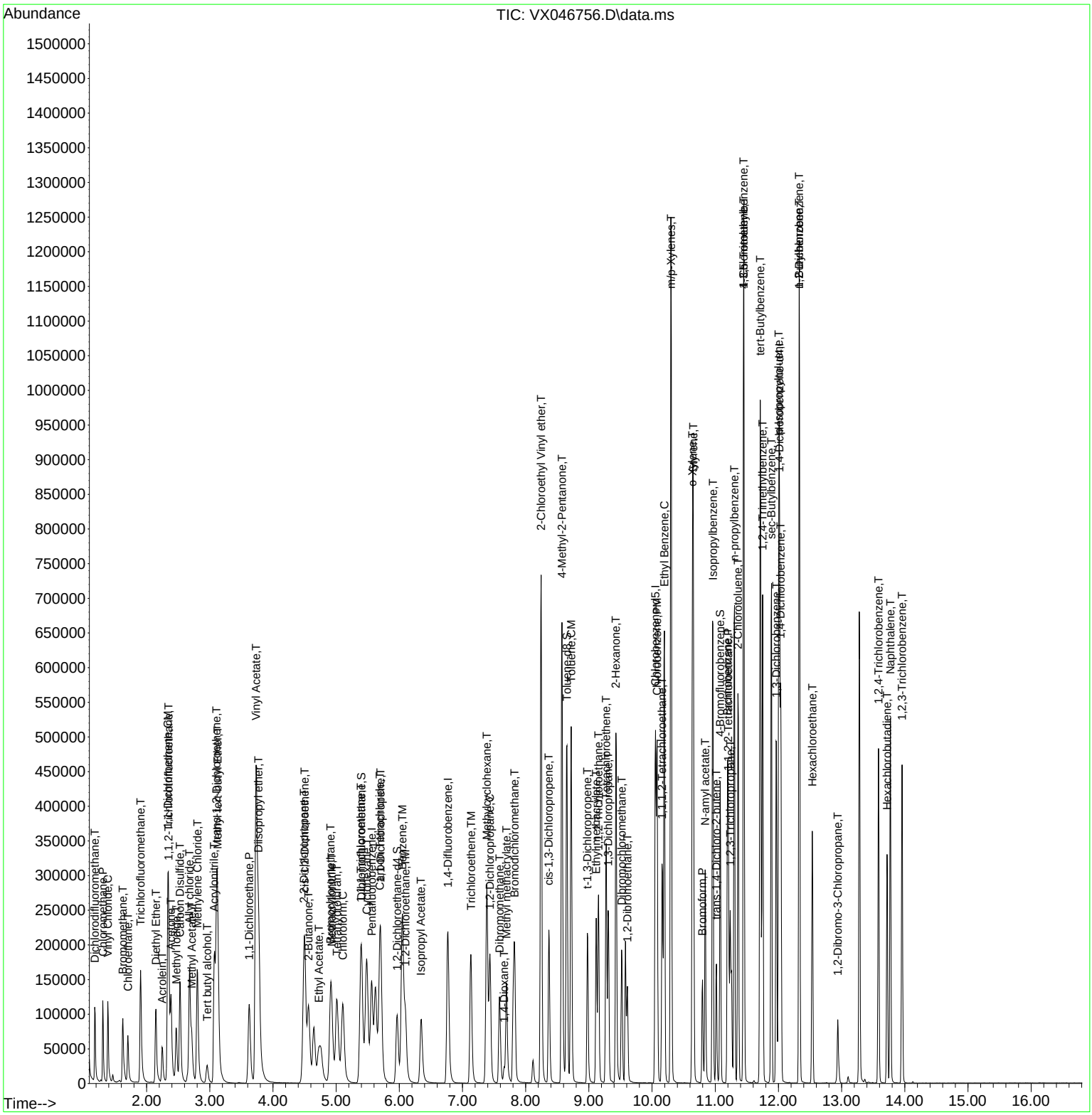
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

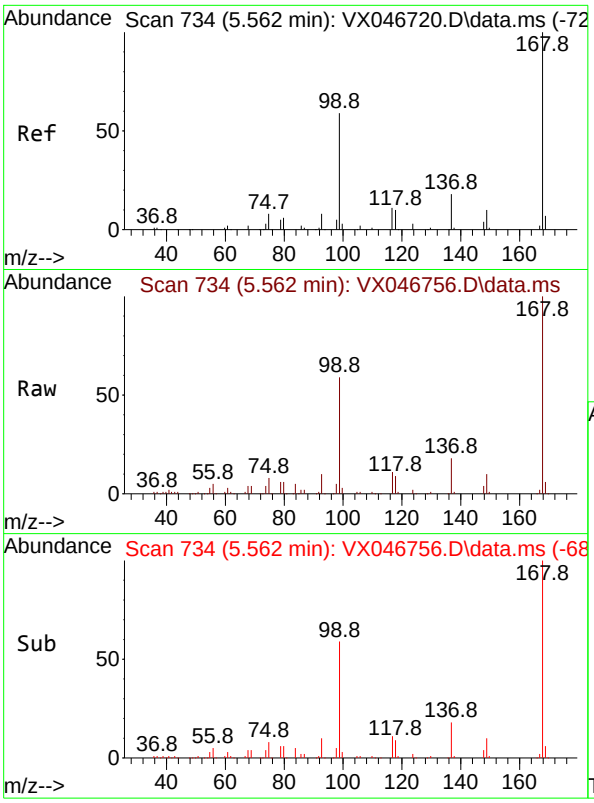
Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

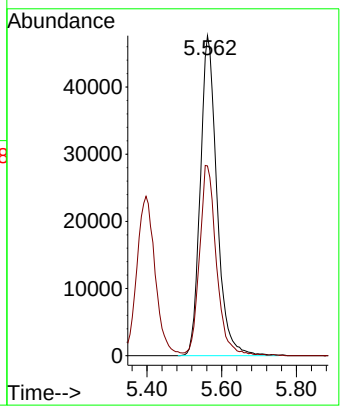





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:168 Resp: 14717

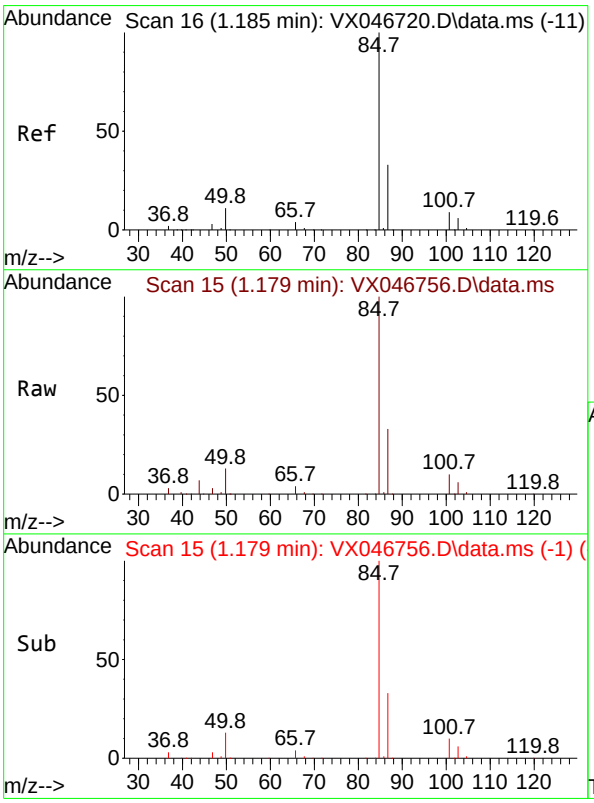
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

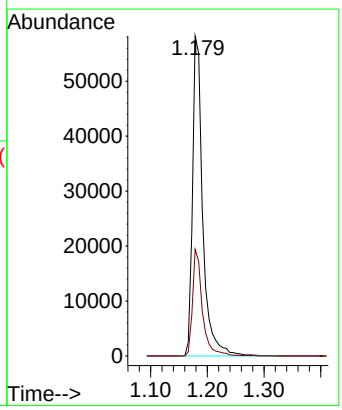
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

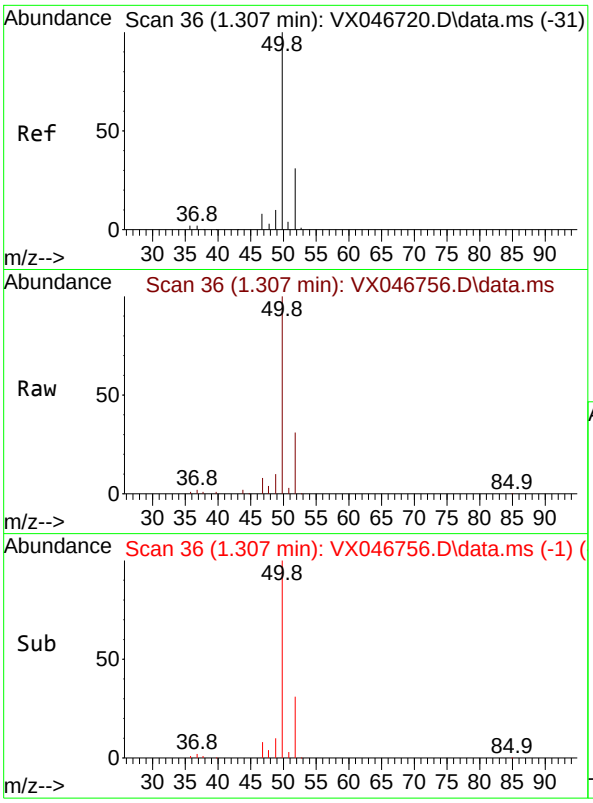



#2
Dichlorodifluoromethane
Concen: 46.406 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 85 Resp: 72915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |

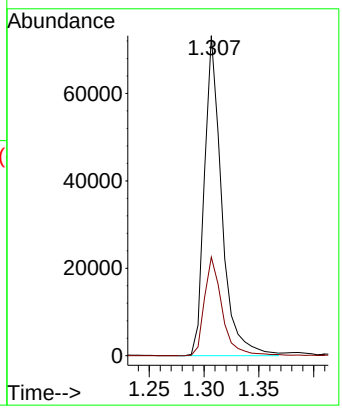





#3
Chloromethane
Concen: 47.322 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 50 Resp: 8025

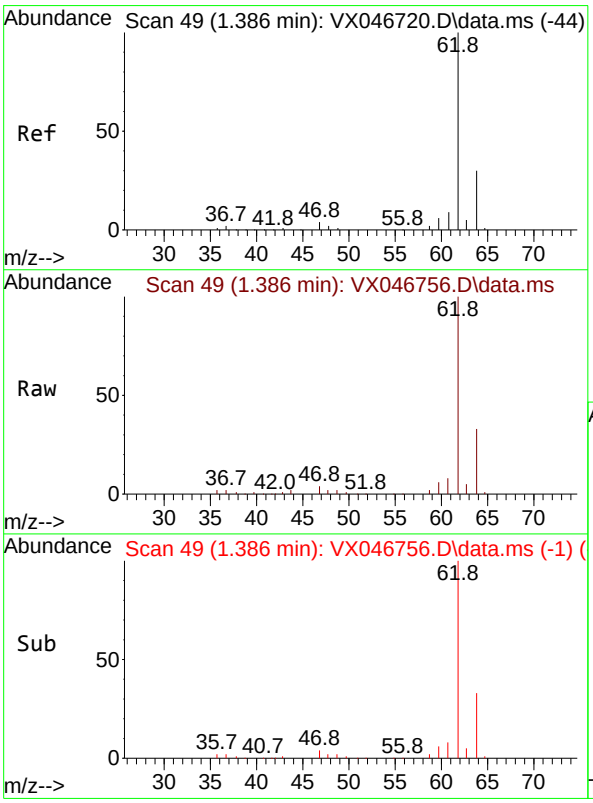
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

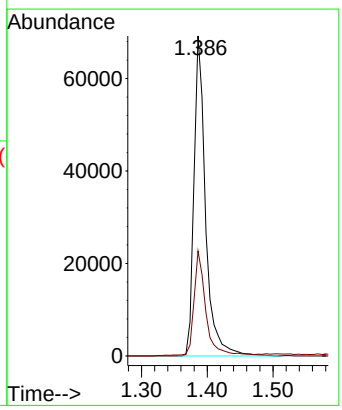
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

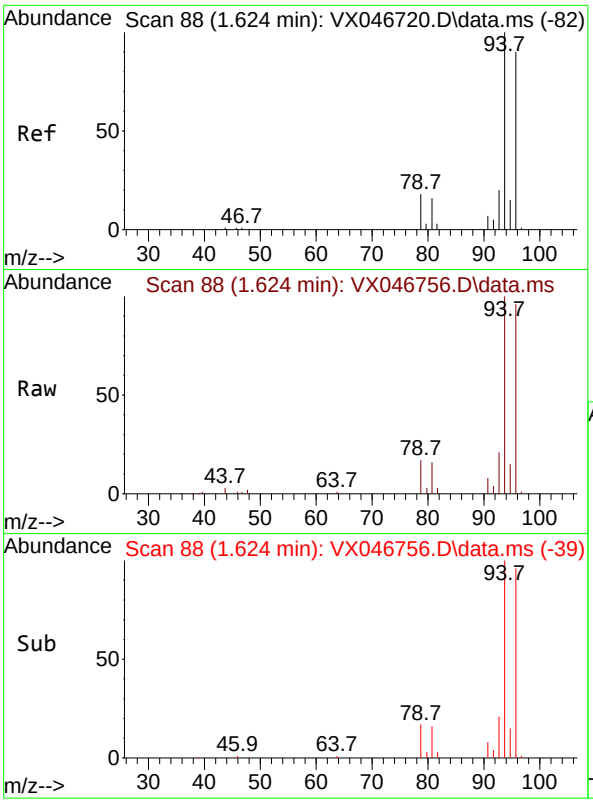



#4
Vinyl Chloride
Concen: 46.917 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 62 Resp: 84851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 23.9 | 35.9 |

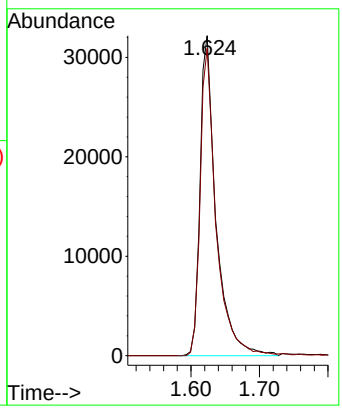





#5
Bromomethane
Concen: 51.222 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 94 Resp: 5211

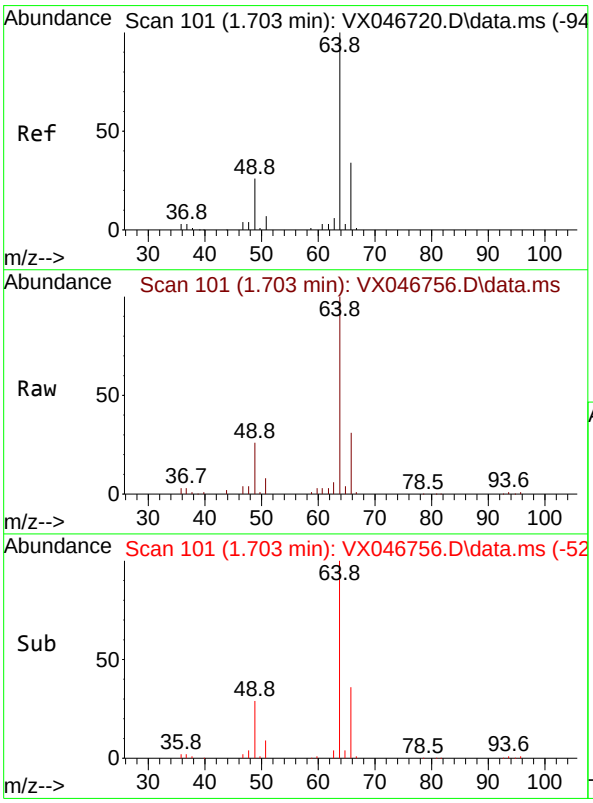
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

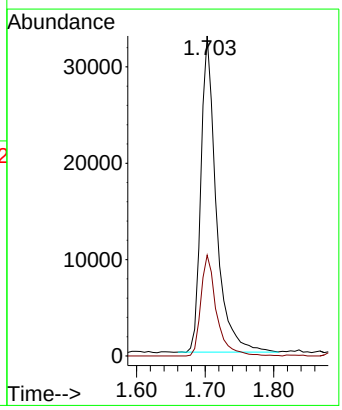
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

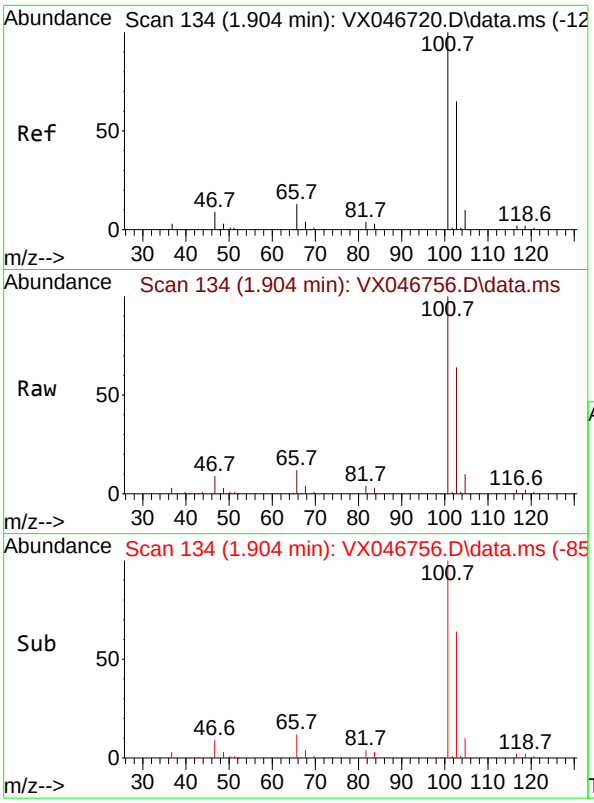



#6
Chloroethane
Concen: 46.730 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 64 Resp: 51222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 27.1 | 40.7 |

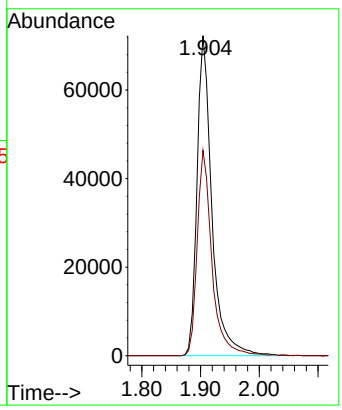





#7
Trichlorofluoromethane
Concen: 46.190 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:101 Resp: 12684

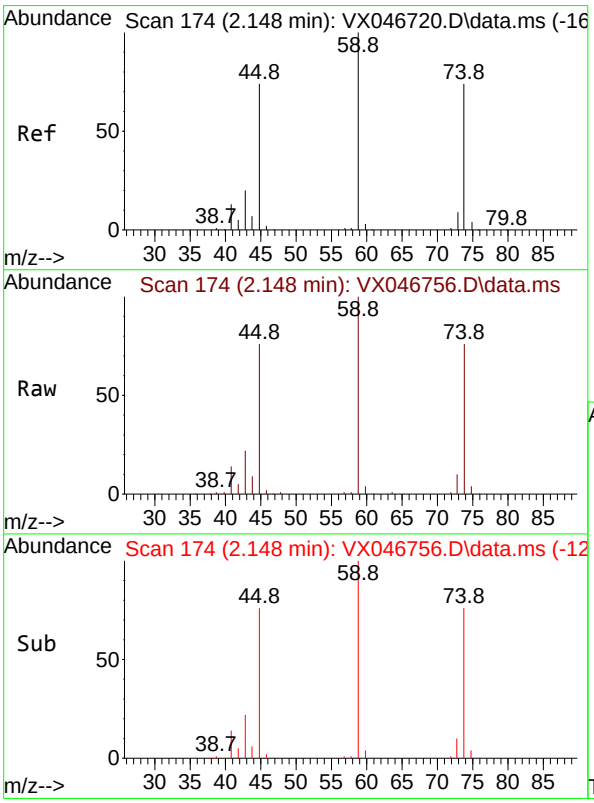
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

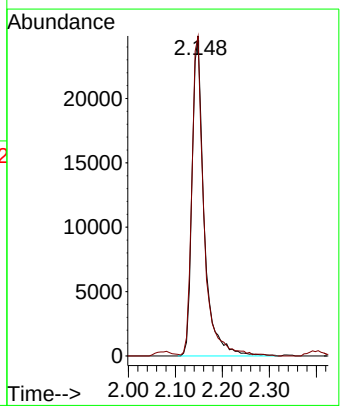
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

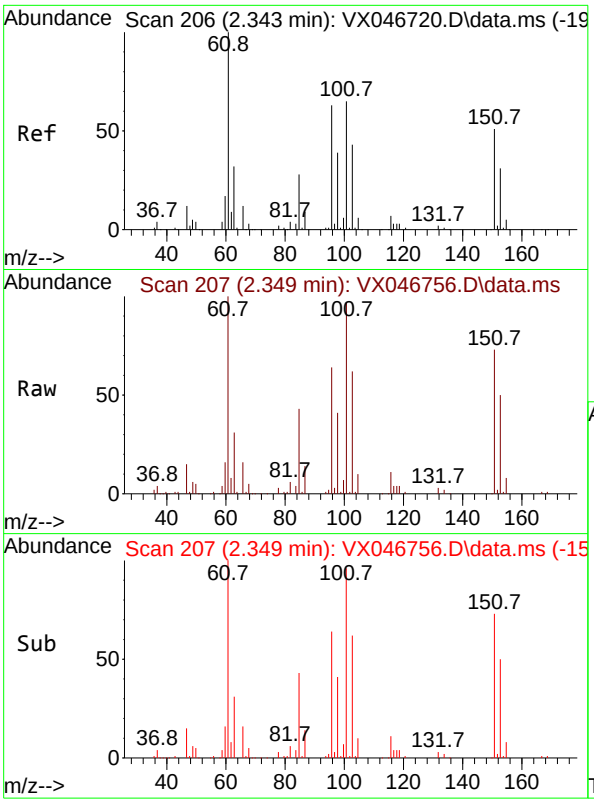



#8
Diethyl Ether
Concen: 47.316 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 74 Resp: 44591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.2 | 52.3 | 157.1 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.008 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

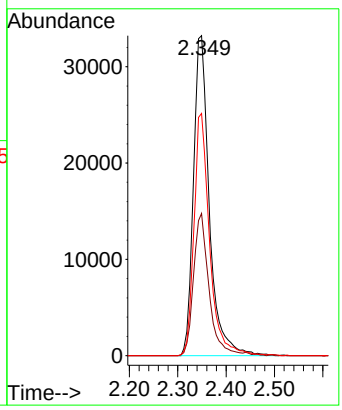
Tgt Ion:101 Resp: 7582

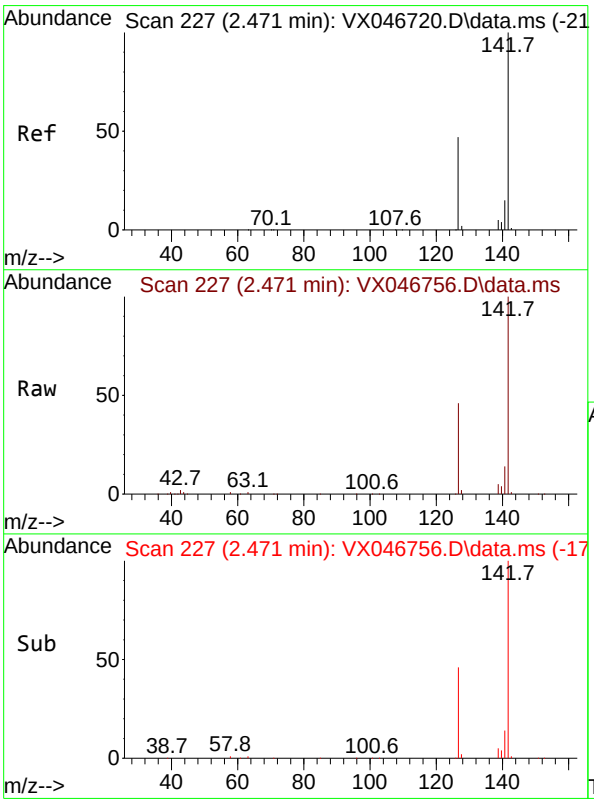
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

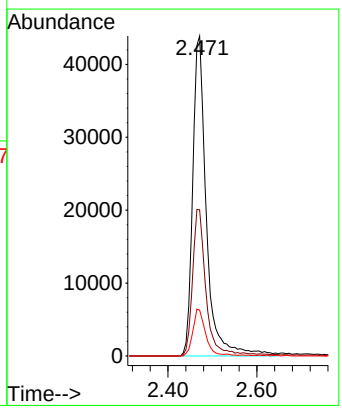


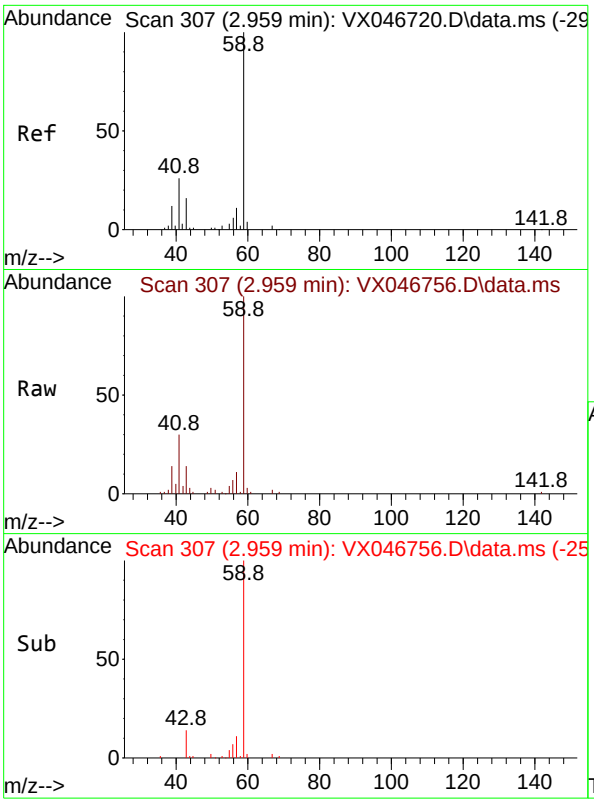




#10
Methyl Iodide
Concen: 45.013 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:142 Resp: 93925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.6 | 37.0 | 55.6 |
| 141 | 13.7 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 170.030 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

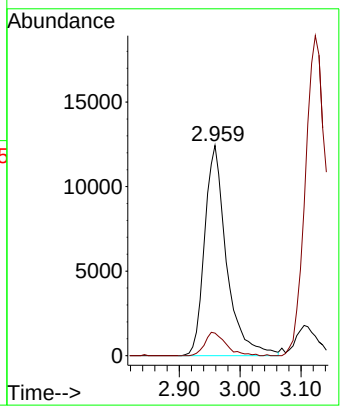
Tgt Ion: 59 Resp: 3106

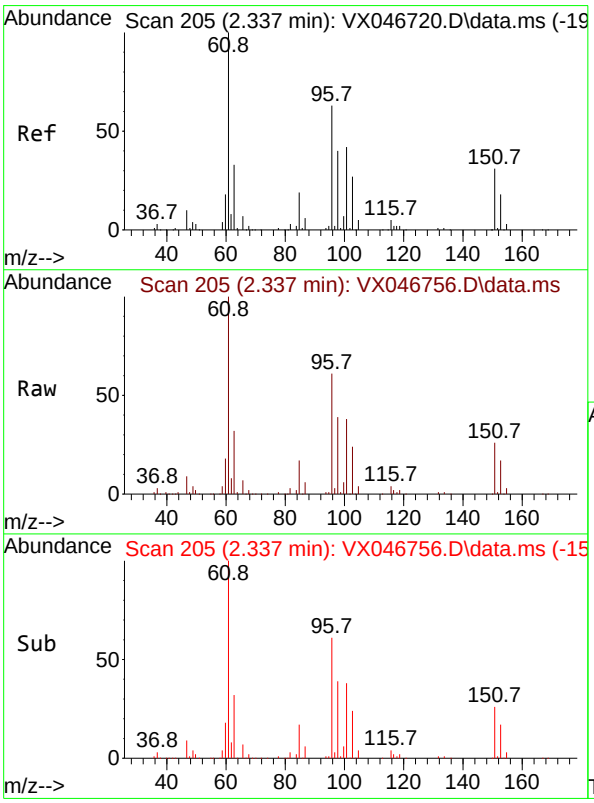
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

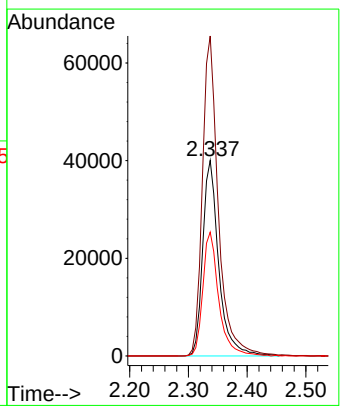


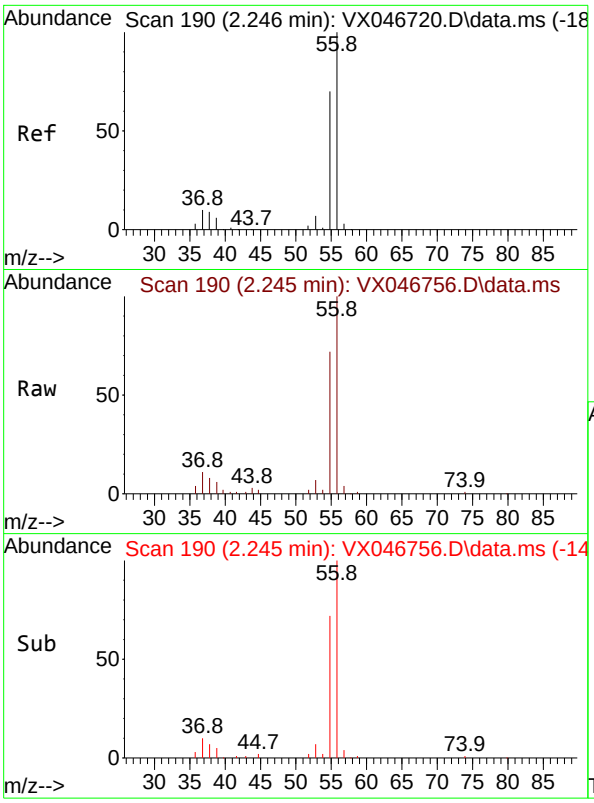




#12
1,1-Dichloroethene
Concen: 46.826 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 96 Resp: 76120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.7 | 126.6 | 189.8 |
| 98 | 63.3 | 50.7 | 76.1 |

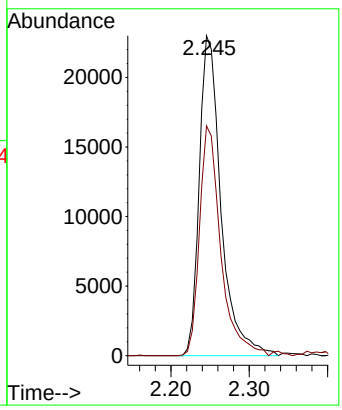





#13
Acrolein
Concen: 166.547 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 56 Resp: 4432

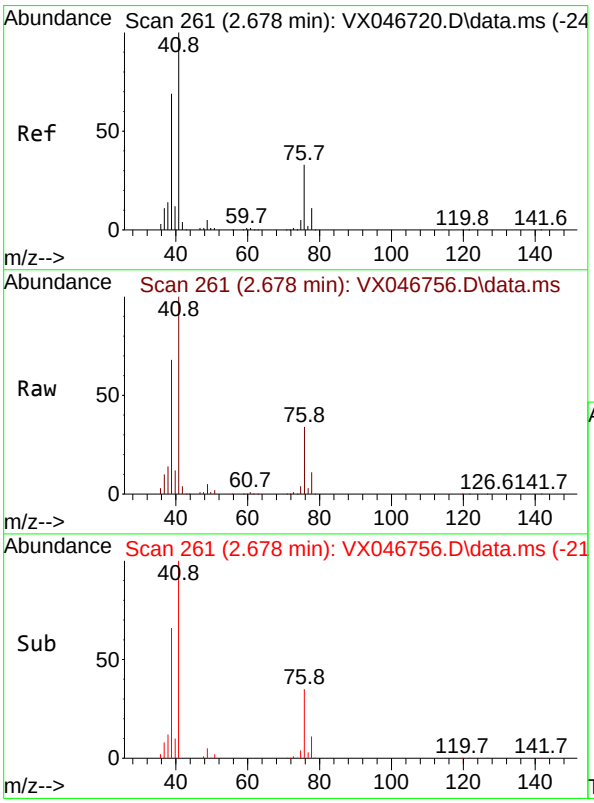
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

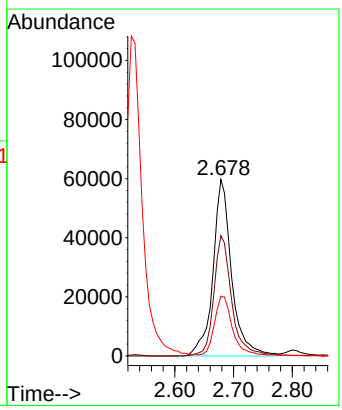
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

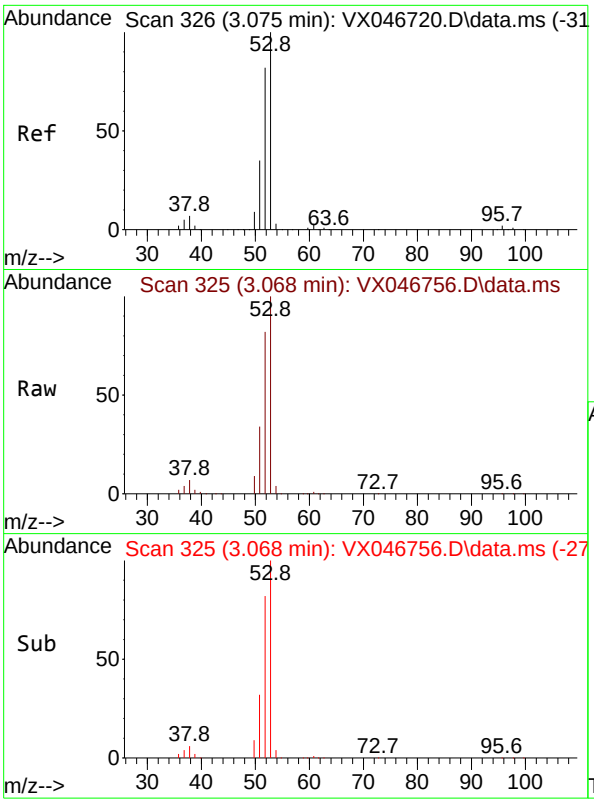



#14
Allyl chloride
Concen: 44.851 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 41 Resp: 132100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.5 | 53.6 | 80.4 |
| 76 | 32.2 | 26.8 | 40.2 |






#15
Acrylonitrile
Concen: 214.185 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

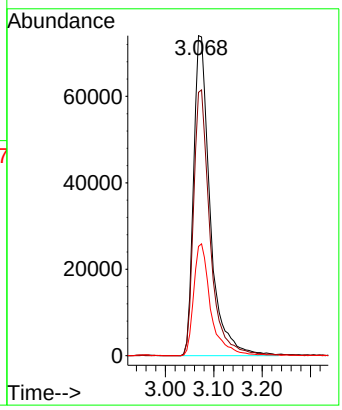
Tgt Ion: 53 Resp: 17596

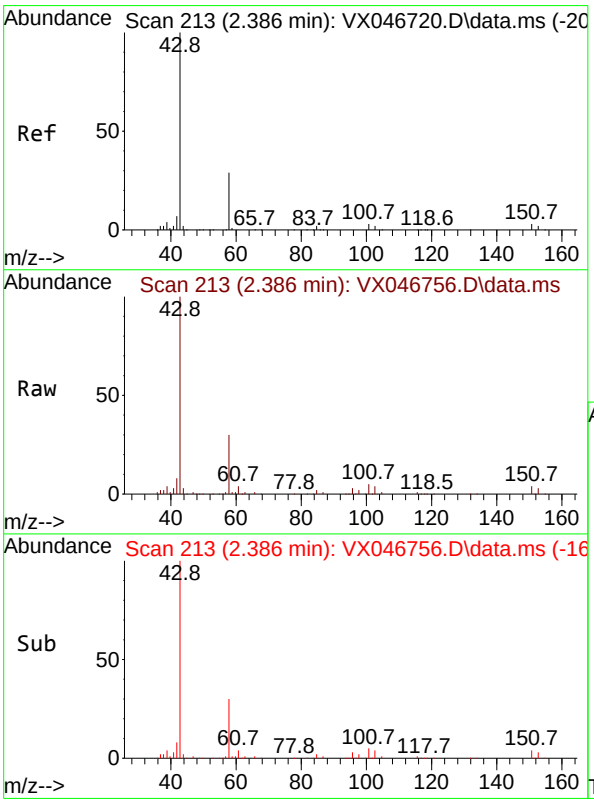
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.2 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

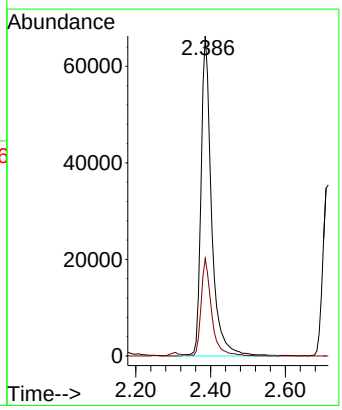


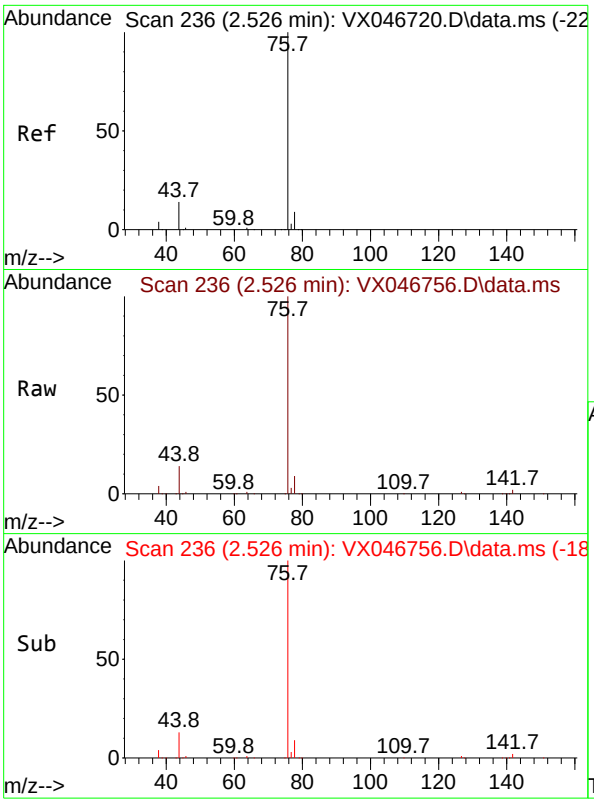




#16
Acetone
Concen: 191.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 129697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 42.969 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

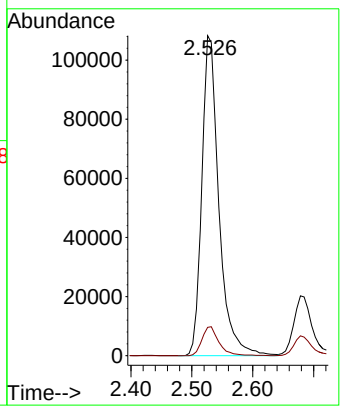
Tgt Ion: 76 Resp: 21093

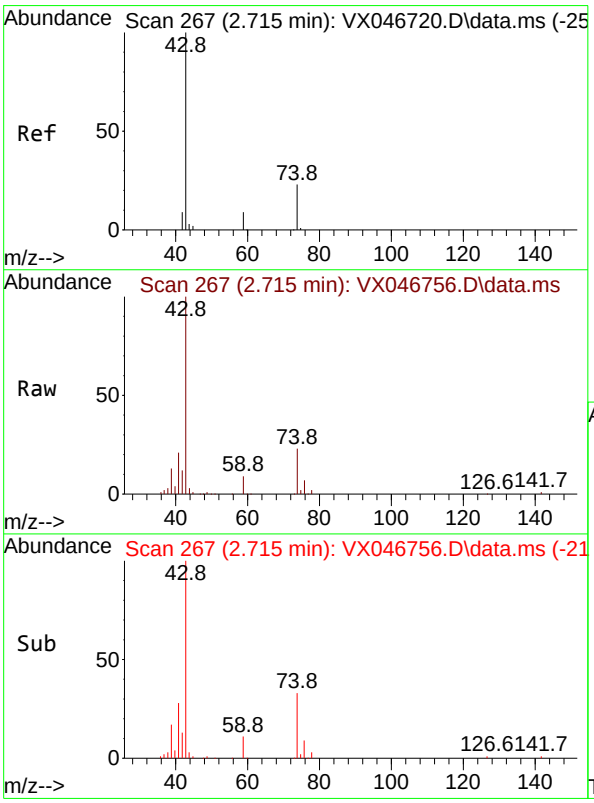
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

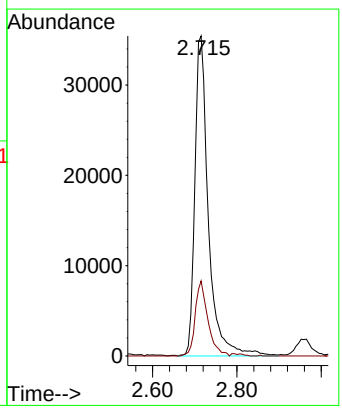


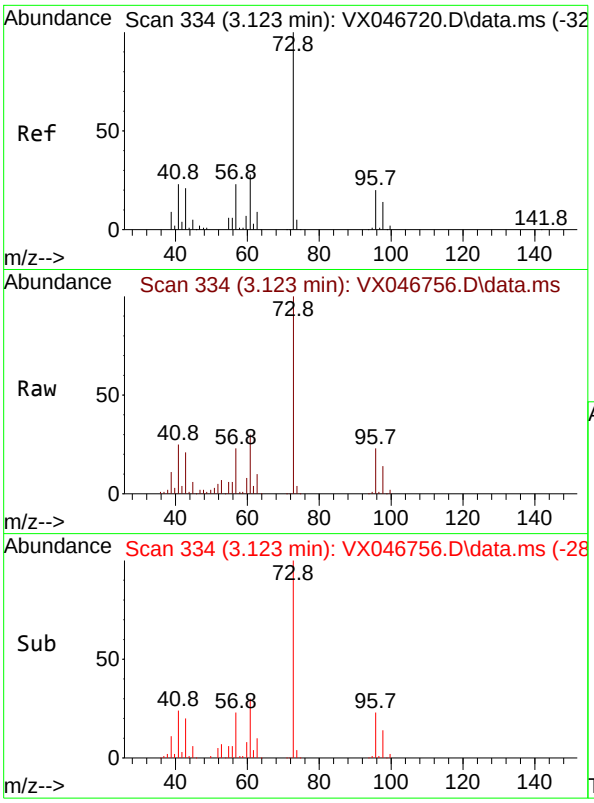




#18
Methyl Acetate
Concen: 45.999 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 79308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 18.4 | 27.6 |

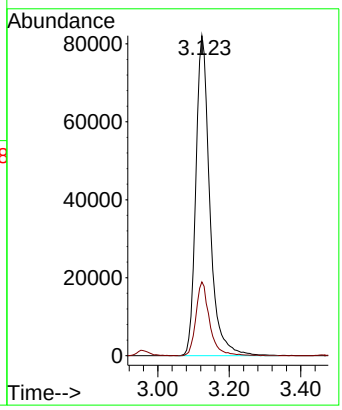





#19
Methyl tert-butyl Ether
Concen: 43.909 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 73 Resp: 22225

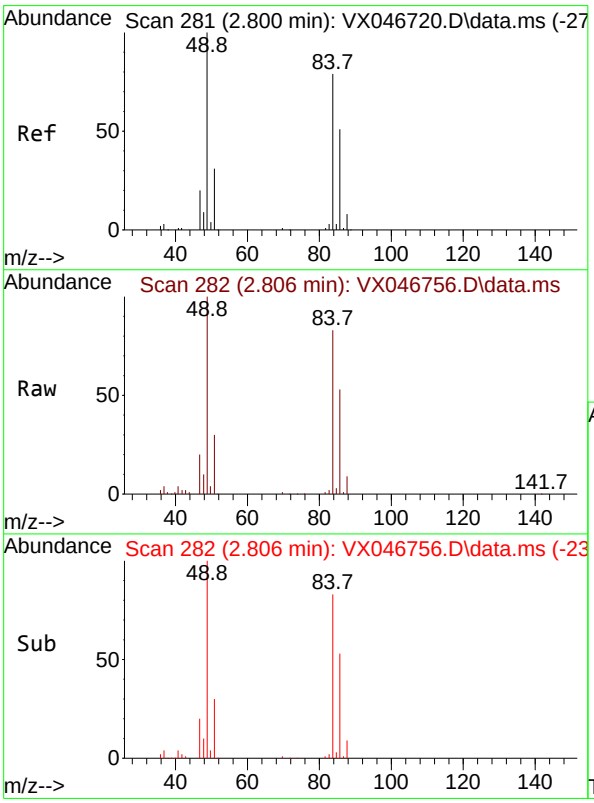
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.1 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

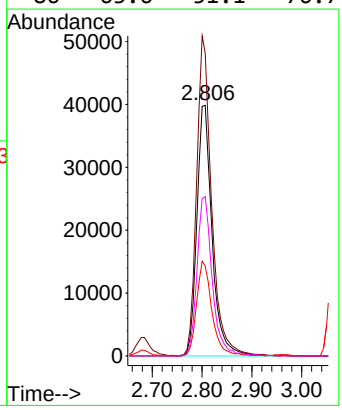
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

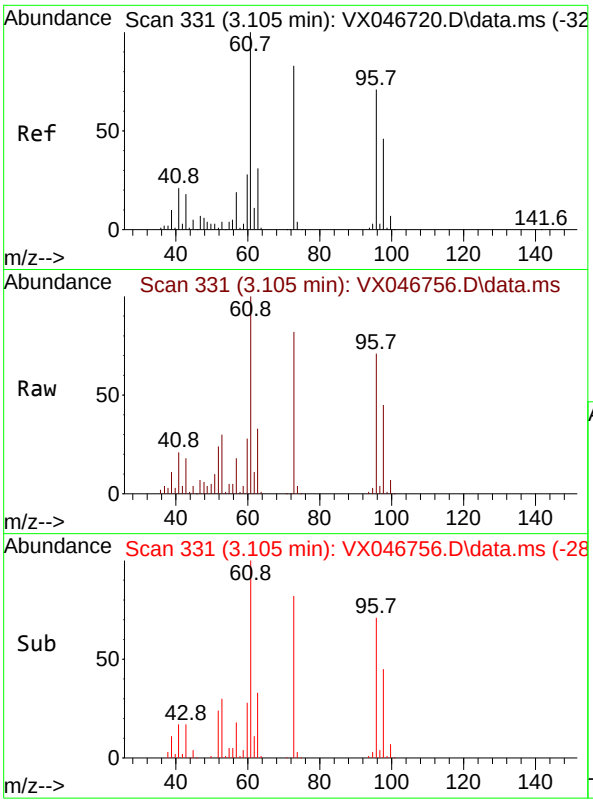



#20
Methylene Chloride
Concen: 44.683 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 84 Resp: 84354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.7 | 101.3 | 151.9 |
| 51 | 35.8 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |

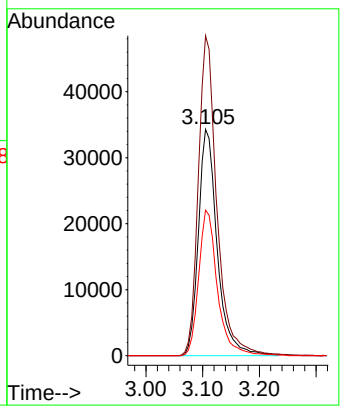





#21
trans-1,2-Dichloroethene
Concen: 45.569 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 96 Resp: 7926

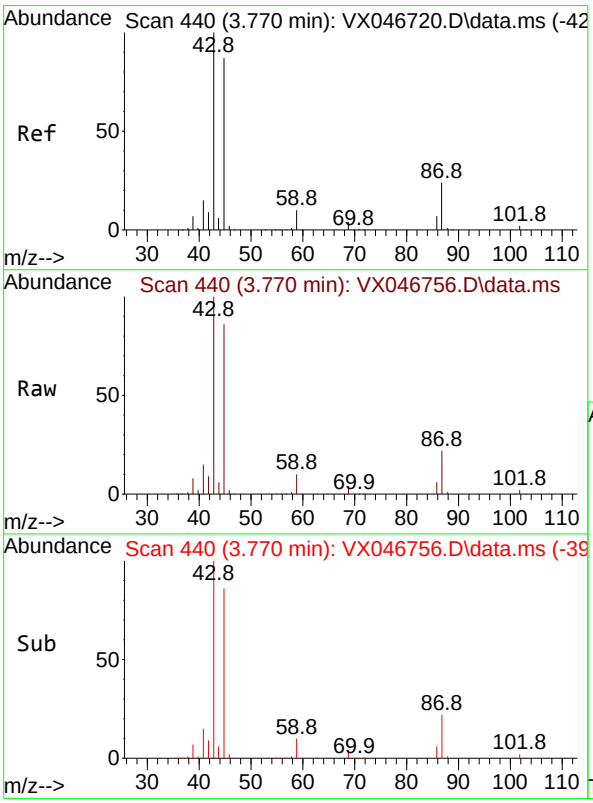
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.3 | 112.5 | 168.7 |
| 98 | 64.3 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

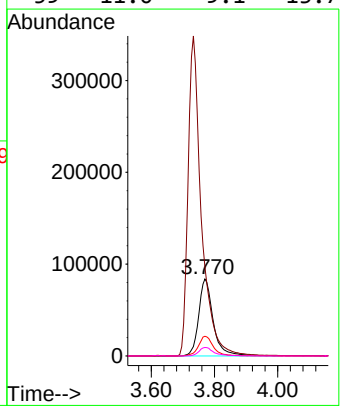
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

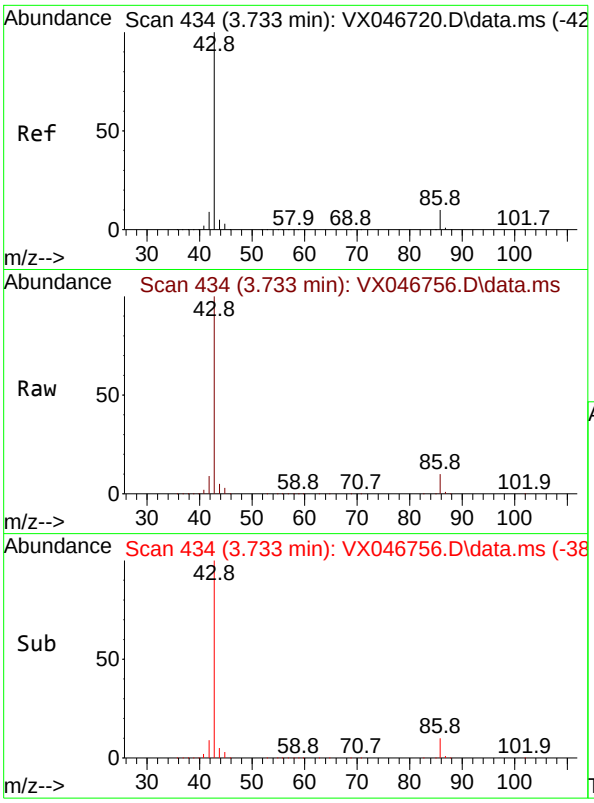



#22
Diisopropyl ether
Concen: 47.321 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 45 Resp: 267893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 115.3 | 91.9 | 137.9 |
| 87 | 25.6 | 22.0 | 33.0 |
| 59 | 11.0 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 227.659 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

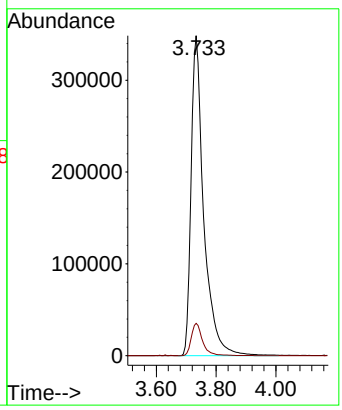
Tgt Ion: 43 Resp: 102487

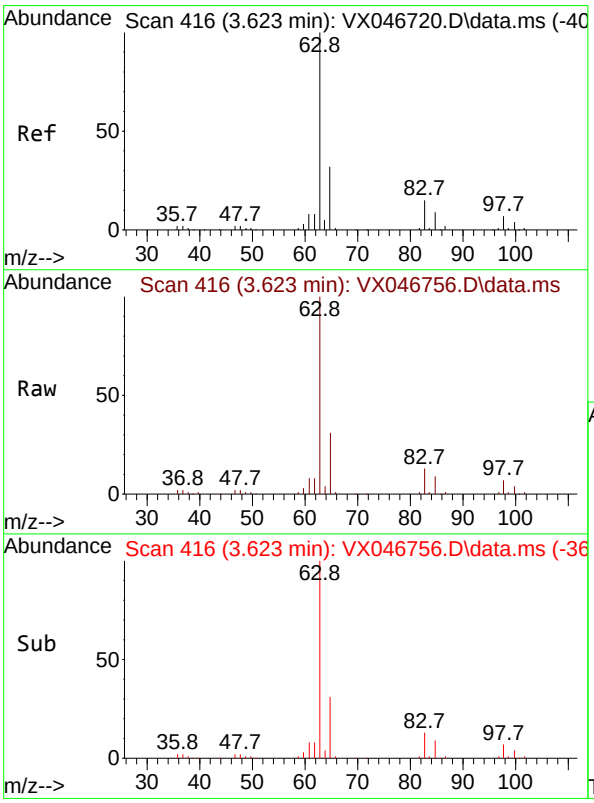
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

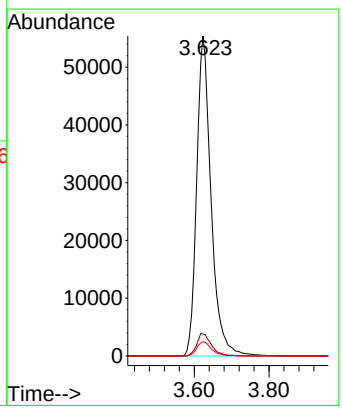


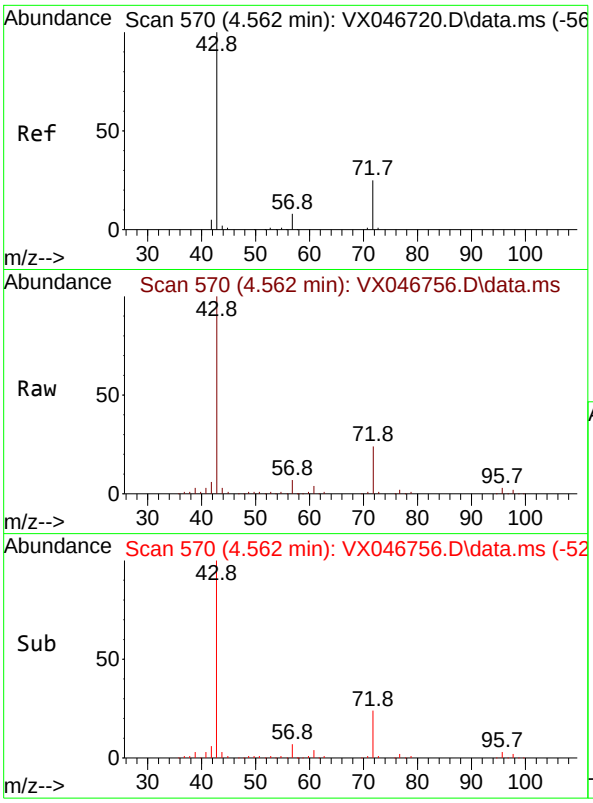




#24
1,1-Dichloroethane
Concen: 46.026 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 63 Resp: 147938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |

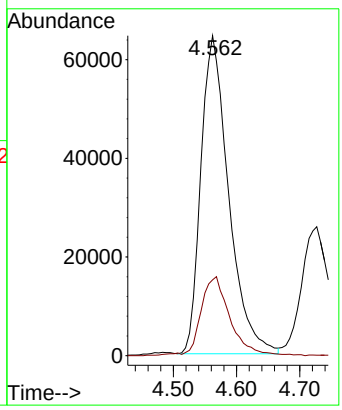





#25
2-Butanone
Concen: 205.290 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 19709

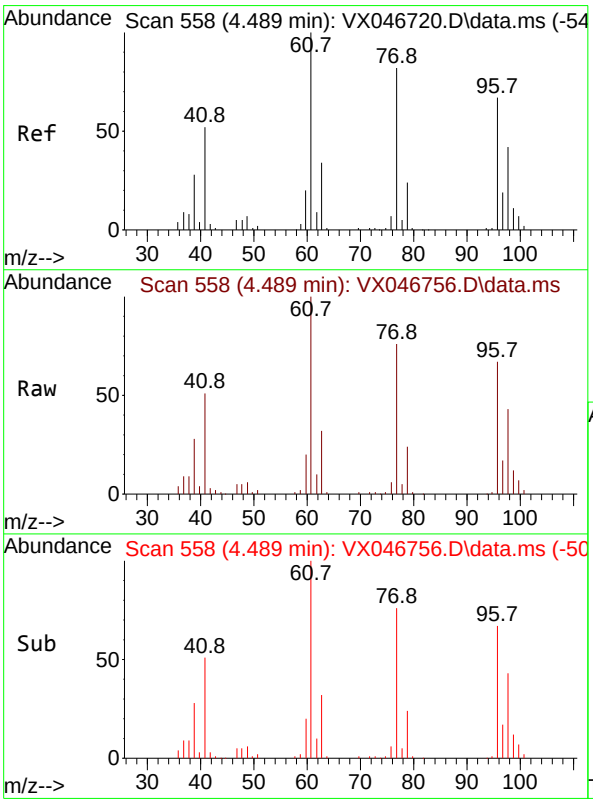
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

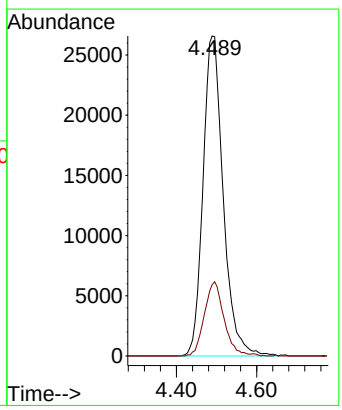
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

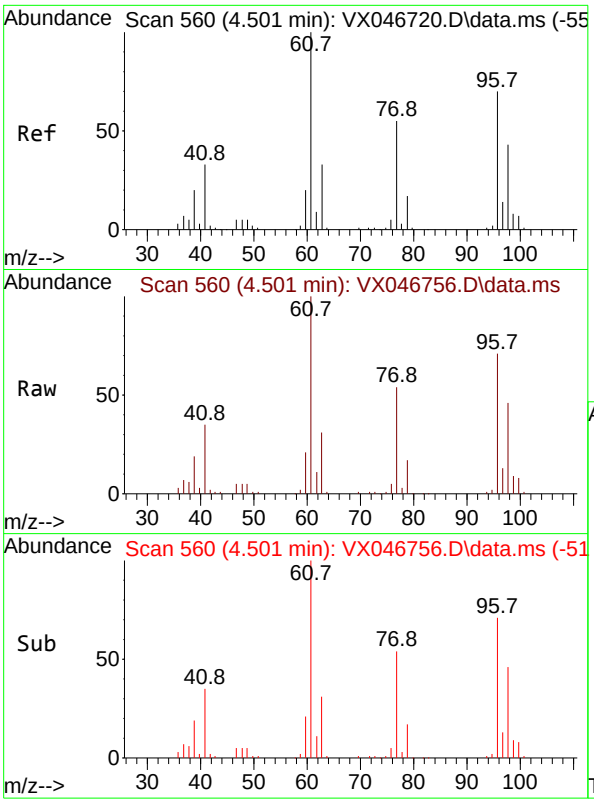



#26
2,2-Dichloropropane
Concen: 39.588 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 77 Resp: 92807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 11.8 | 35.3 |

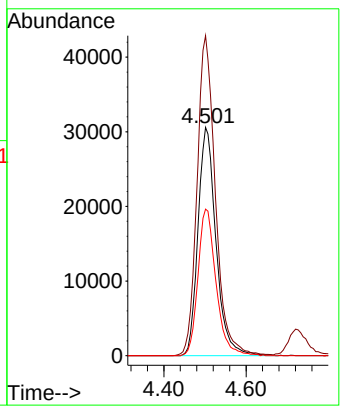





#27
cis-1,2-Dichloroethene
Concen: 45.529 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 96 Resp: 9303

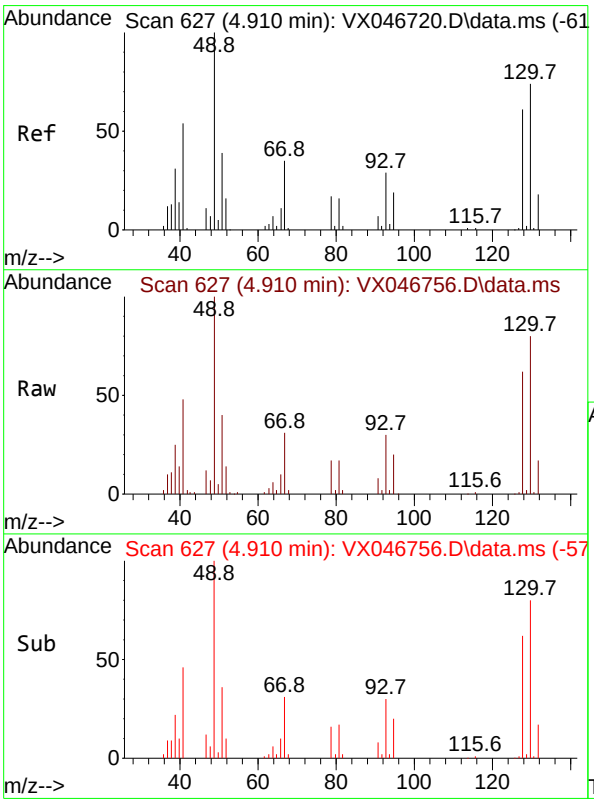
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.8 | 0.0 | 291.0 |
| 98 | 64.4 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

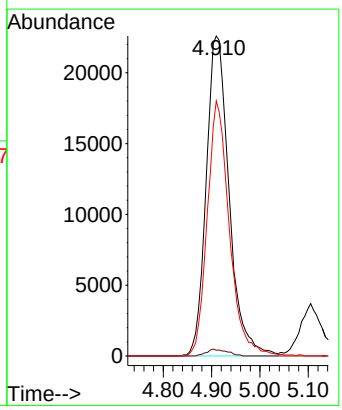
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

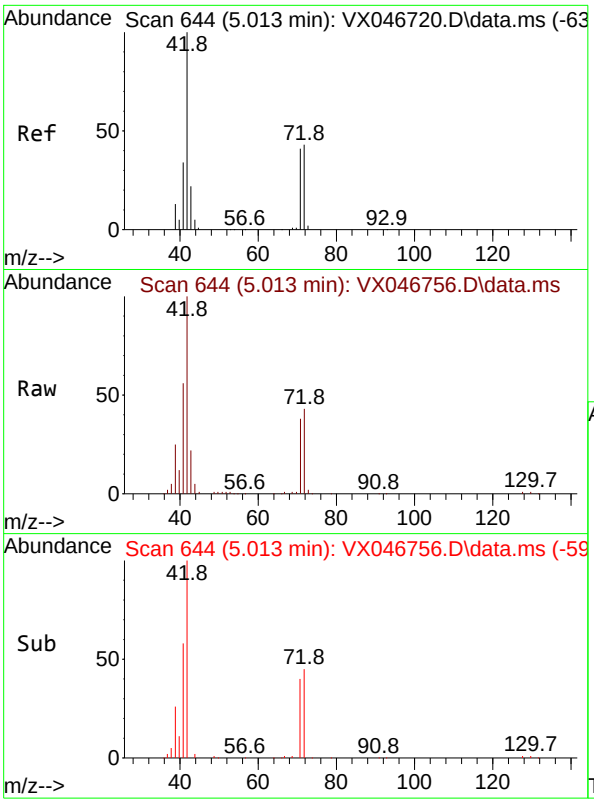



#28
Bromochloromethane
Concen: 51.048 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 49 Resp: 74387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |

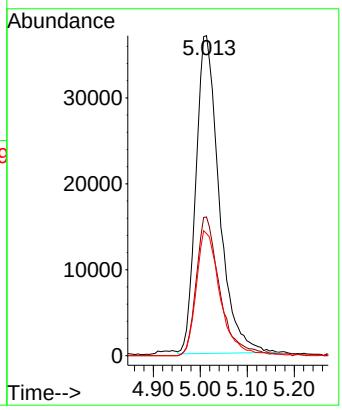





#29
Tetrahydrofuran
Concen: 205.472 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 42 Resp: 12741

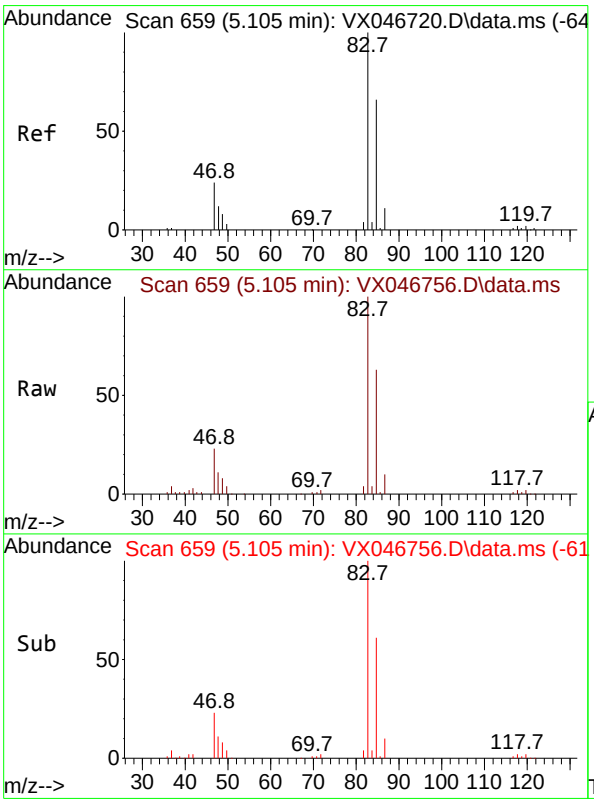
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 34.9 | 52.3 |
| 71 | 40.3 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

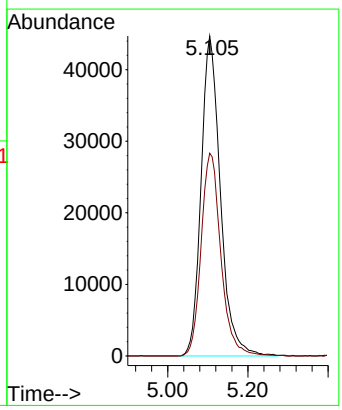
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

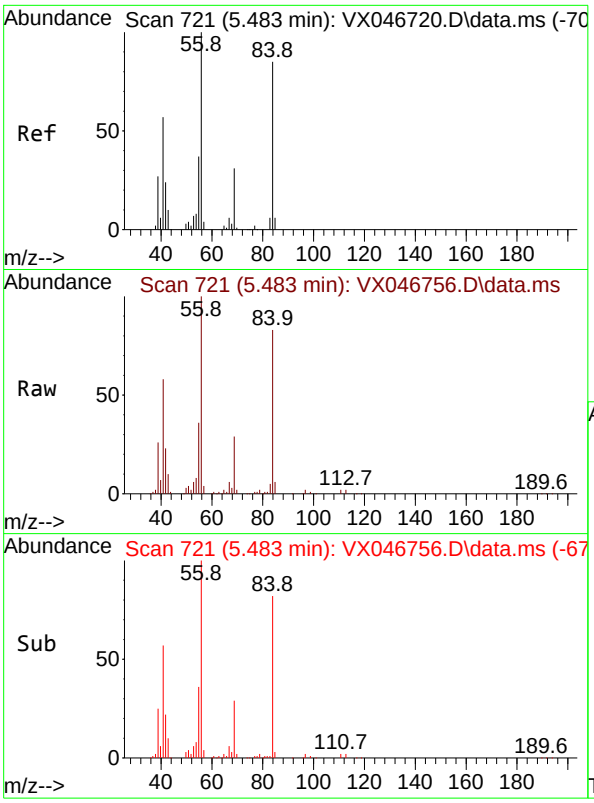



#30
Chloroform
Concen: 46.550 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 83 Resp: 149634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 53.7 | 80.5 |

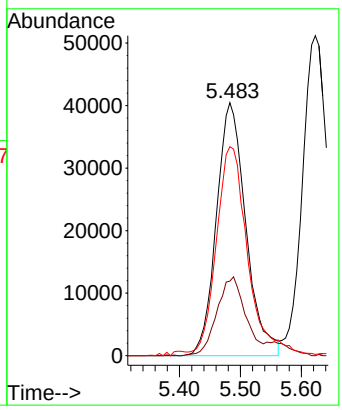





#31
Cyclohexane
Concen: 44.511 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 56 Resp: 13567

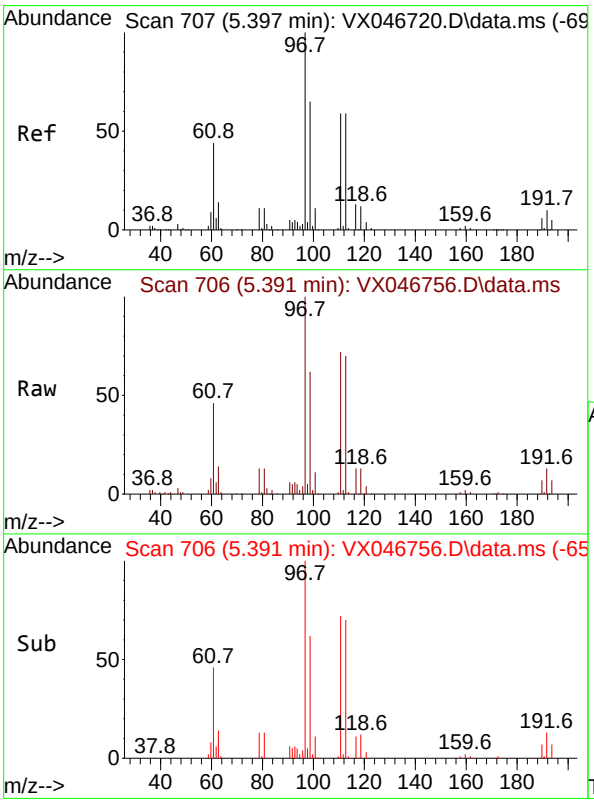
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.1 | 24.8 | 37.2 |
| 84 | 80.8 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

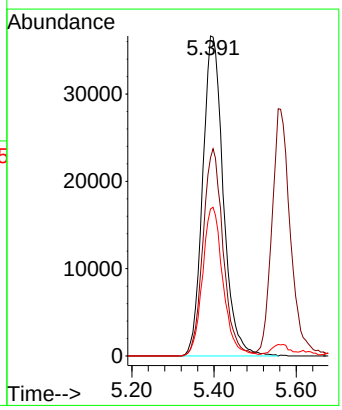
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

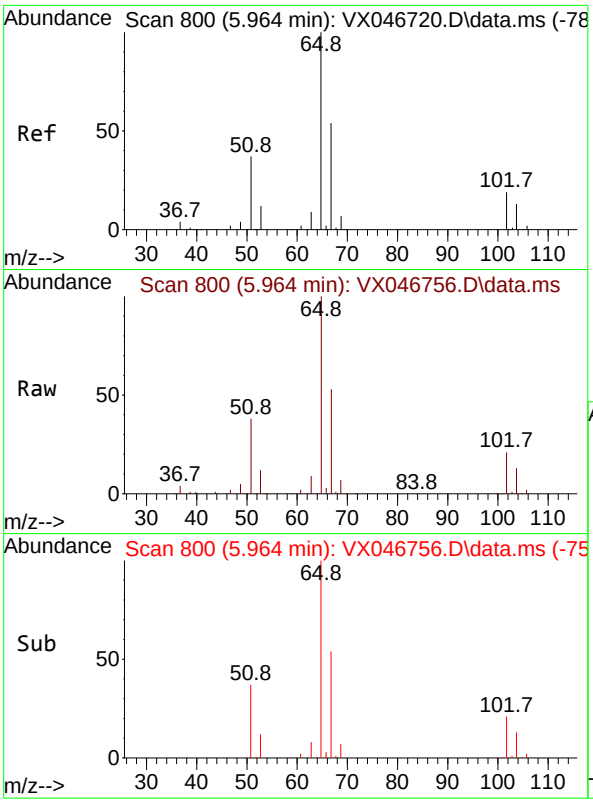



#32
1,1,1-Trichloroethane
Concen: 45.264 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 97 Resp: 127606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.3 | 76.9 |
| 61 | 46.0 | 36.4 | 54.6 |

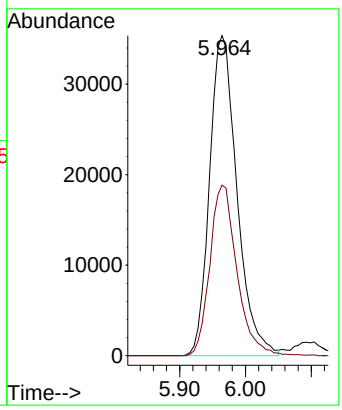





#33
1,2-Dichloroethane-d4
Concen: 50.393 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 65 Resp: 10258

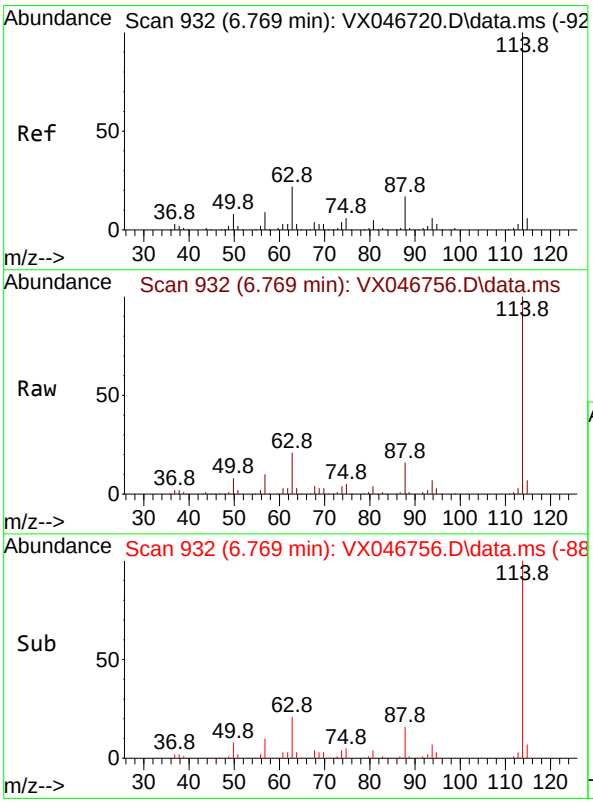
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

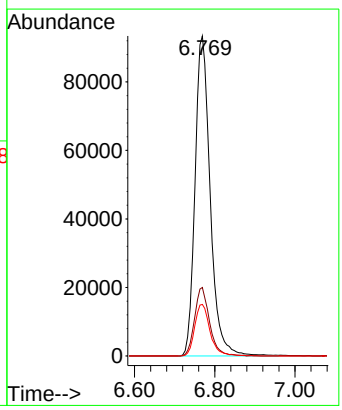
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

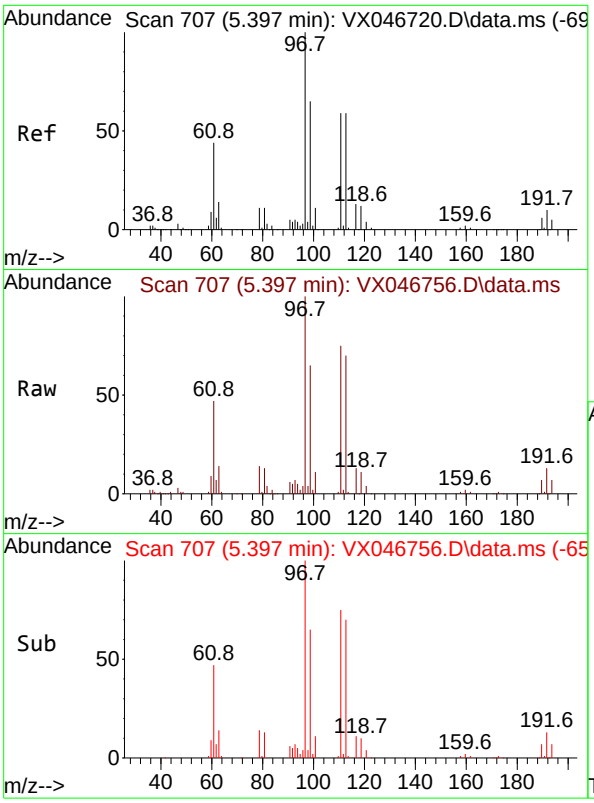



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:114 Resp: 245322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |






#35
Dibromofluoromethane
Concen: 52.036 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

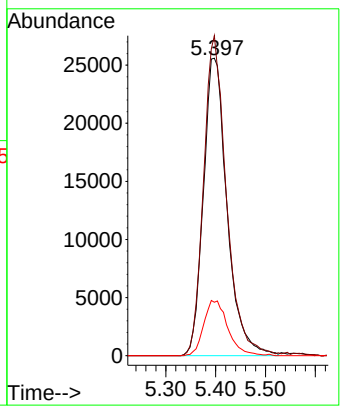
Tgt Ion:113 Resp: 8446

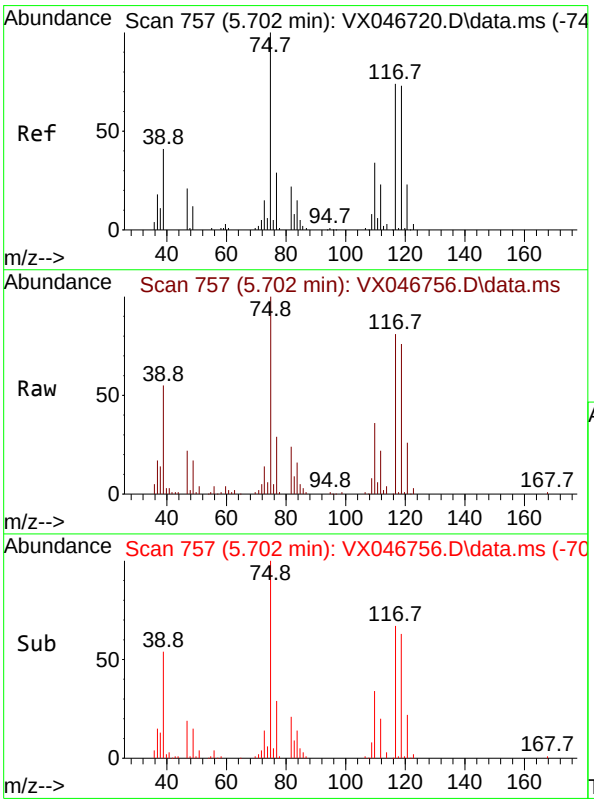
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 82.0 | 123.0 |
| 192 | 19.0 | 15.3 | 22.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

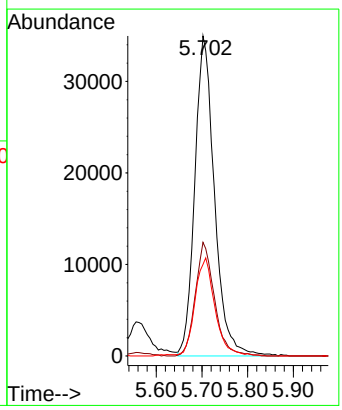


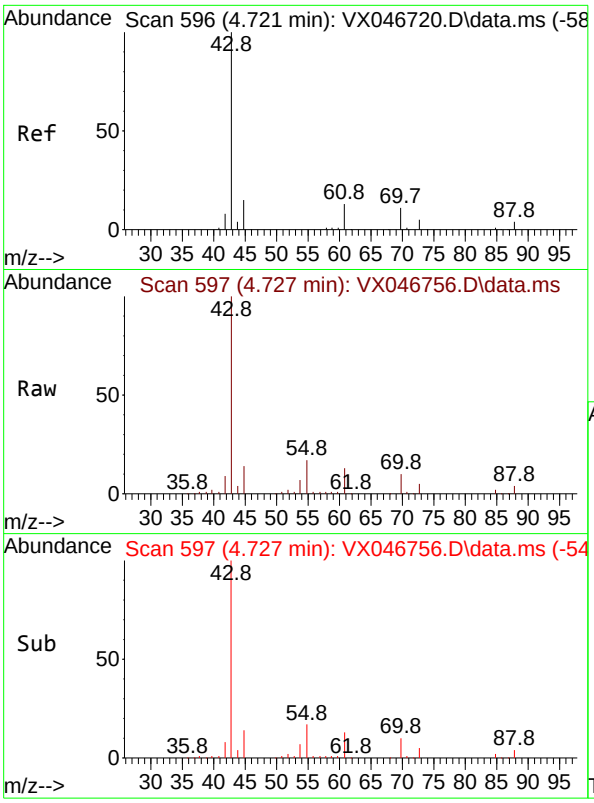




#36
1,1-Dichloropropene
Concen: 44.657 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 104633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.2 | 51.5 |
| 77 | 31.1 | 24.2 | 36.4 |

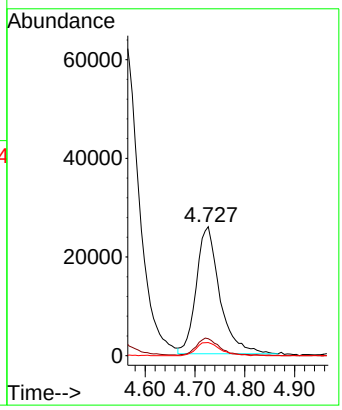





#37
Ethyl Acetate
Concen: 39.004 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 8435

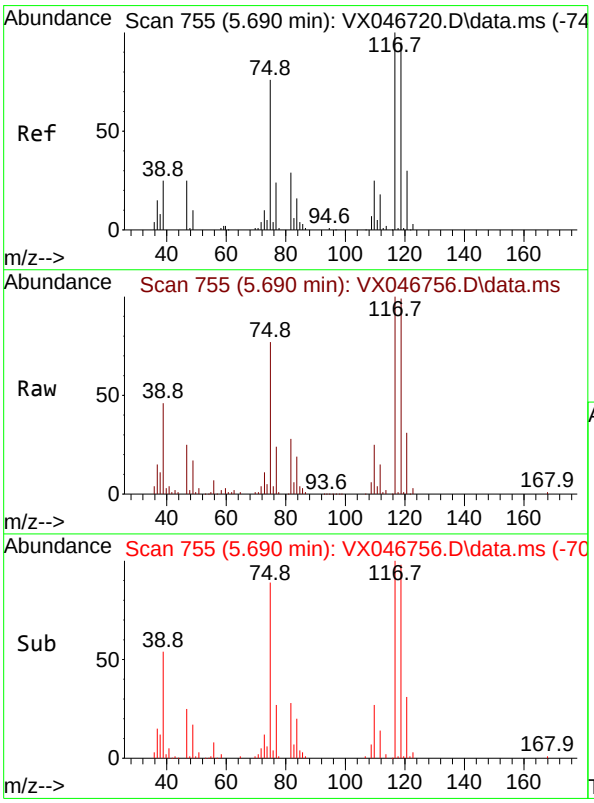
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 9.7 | 14.5 |
| 70 | 10.6 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

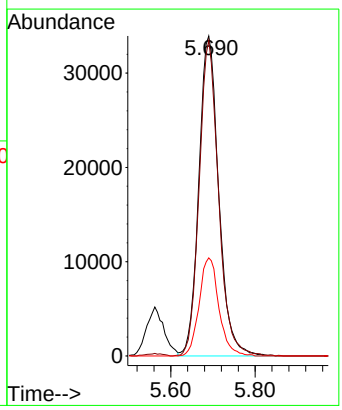
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

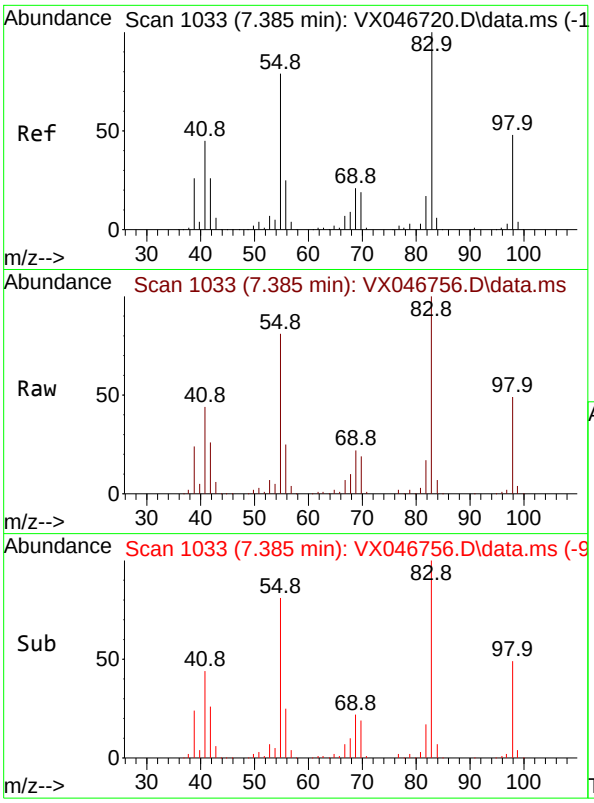



#38
Carbon Tetrachloride
Concen: 43.921 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:117 Resp: 111681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 75.2 | 112.8 |
| 121 | 30.6 | 24.1 | 36.1 |

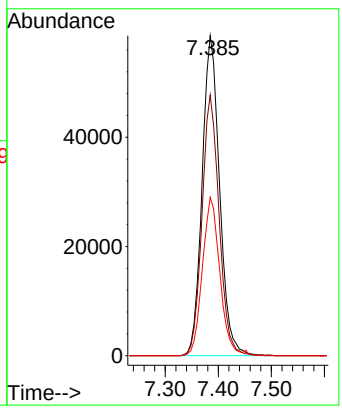





#39
Methylcyclohexane
Concen: 43.470 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 83 Resp: 13402

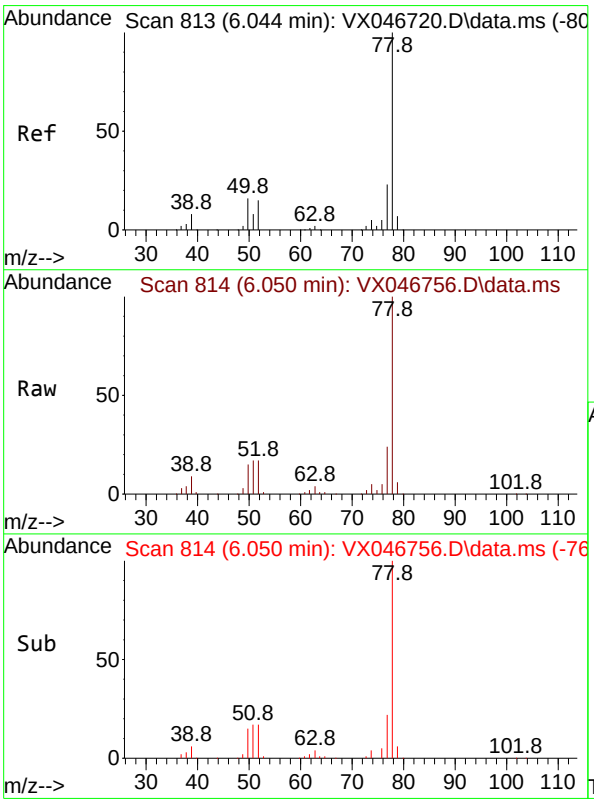
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.5 | 63.0 | 94.4 |
| 98 | 49.5 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

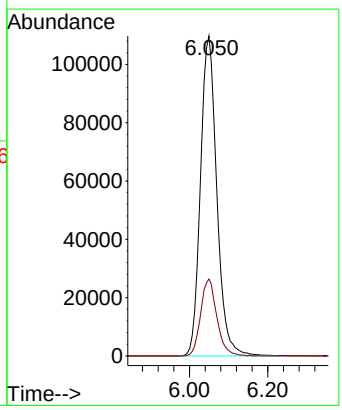
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

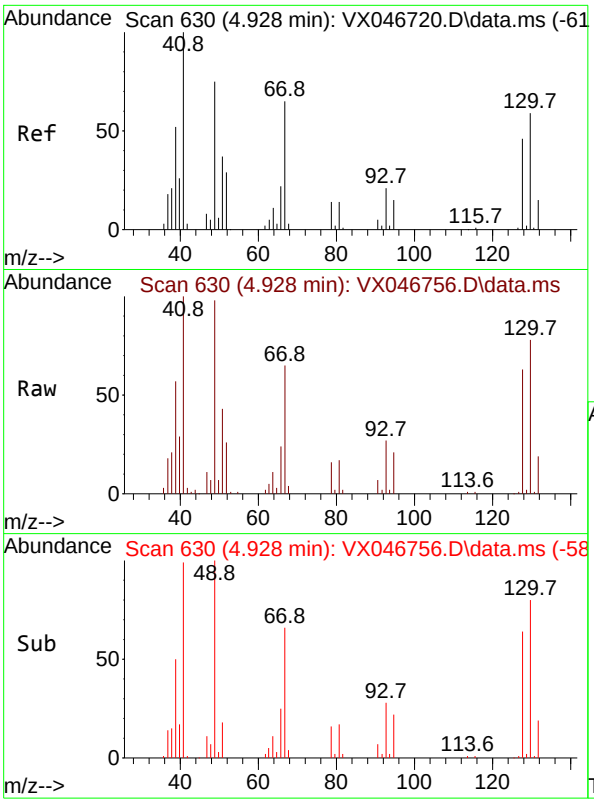



#40
Benzene
Concen: 45.803 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 78 Resp: 317609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 18.8 | 28.2 |

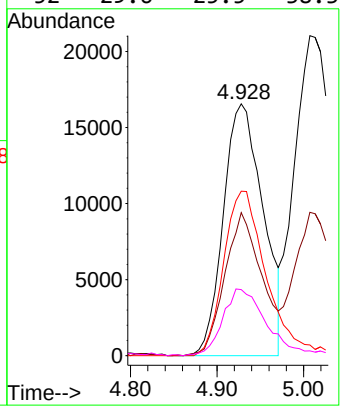





#41
Methacrylonitrile
Concen: 45.912 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 41 Resp: 5293

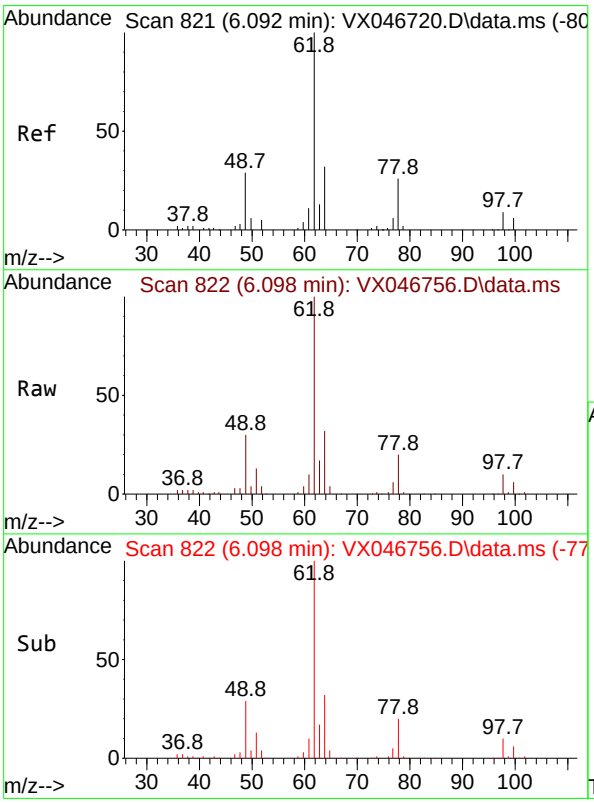
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.8 | 45.9 | 68.9 |
| 67 | 70.6 | 61.2 | 91.8 |
| 52 | 29.6 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

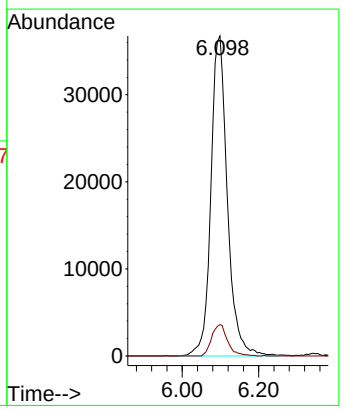
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

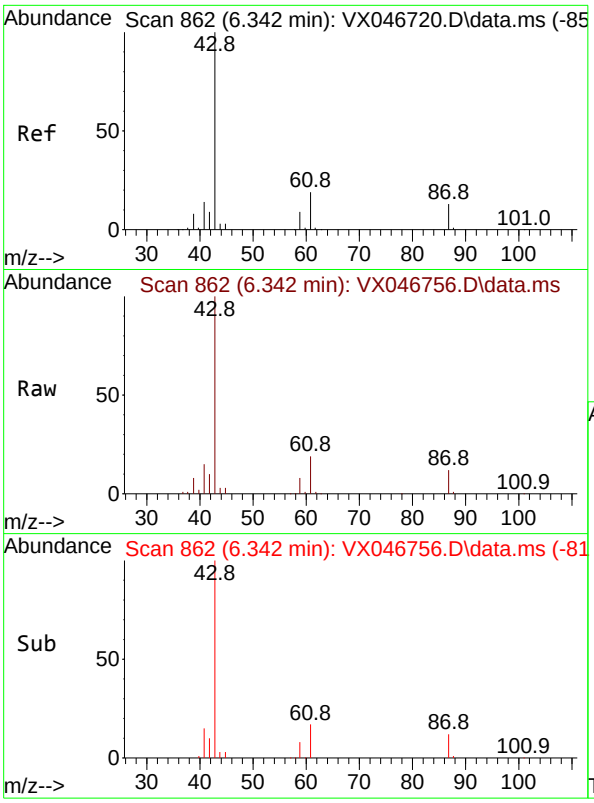



#42
1,2-Dichloroethane
Concen: 45.085 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 62 Resp: 109861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.5 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 42.913 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

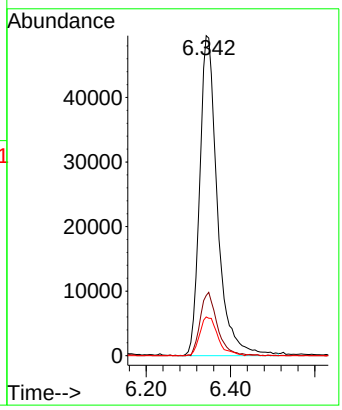
Tgt Ion: 43 Resp: 14523

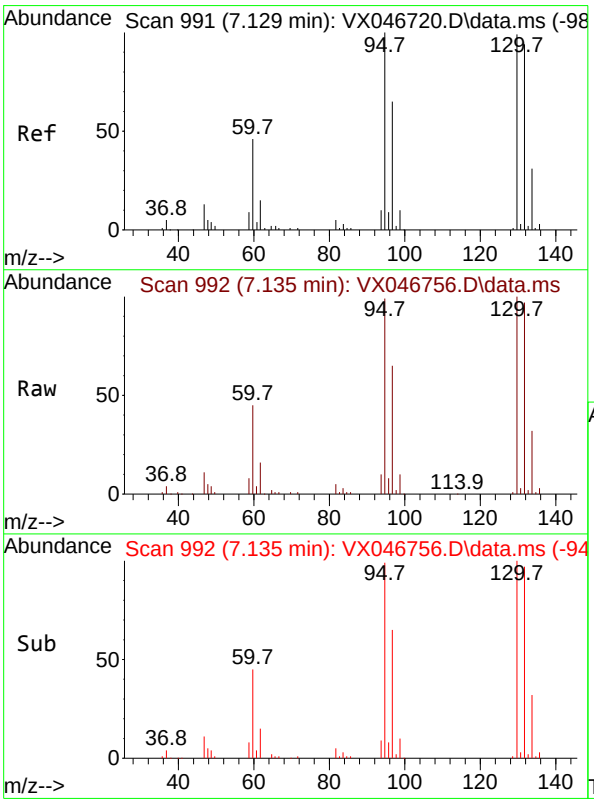
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.3 | 22.9 |
| 87 | 12.3 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

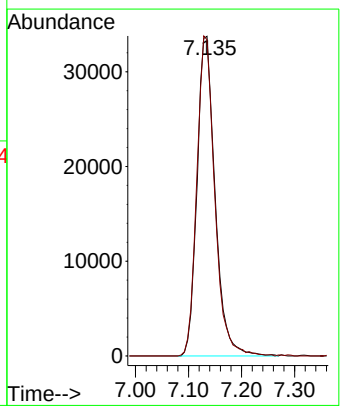


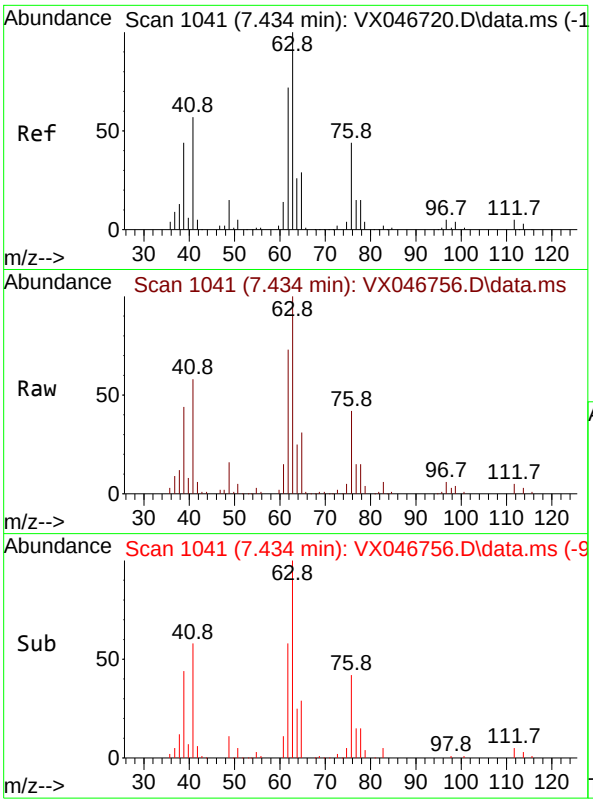




#44
Trichloroethene
Concen: 45.127 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:130 Resp: 79747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 202.6 |

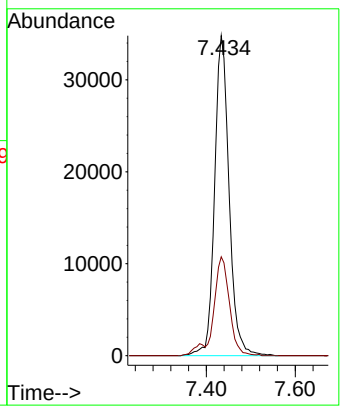





#45
1,2-Dichloropropane
Concen: 45.784 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 63 Resp: 7868

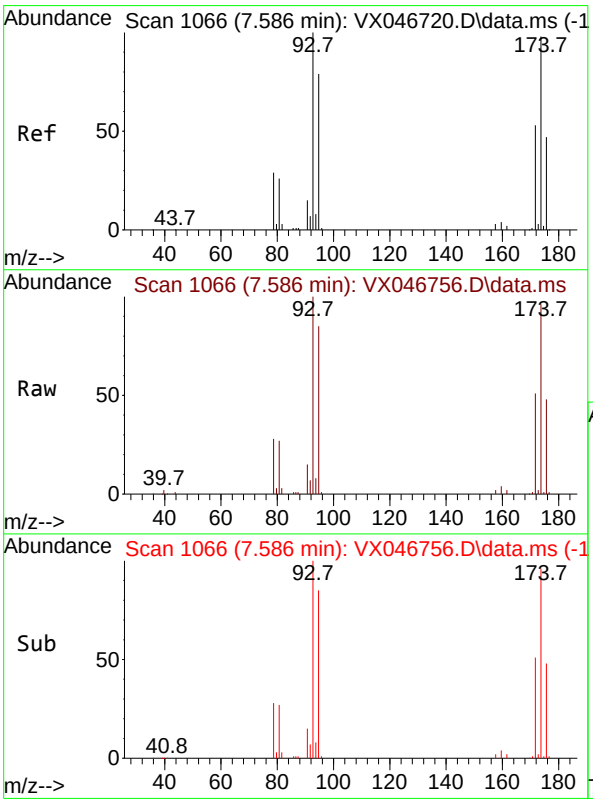
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

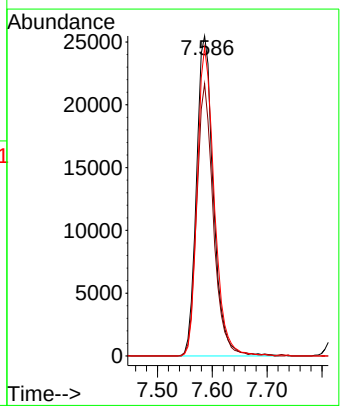
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

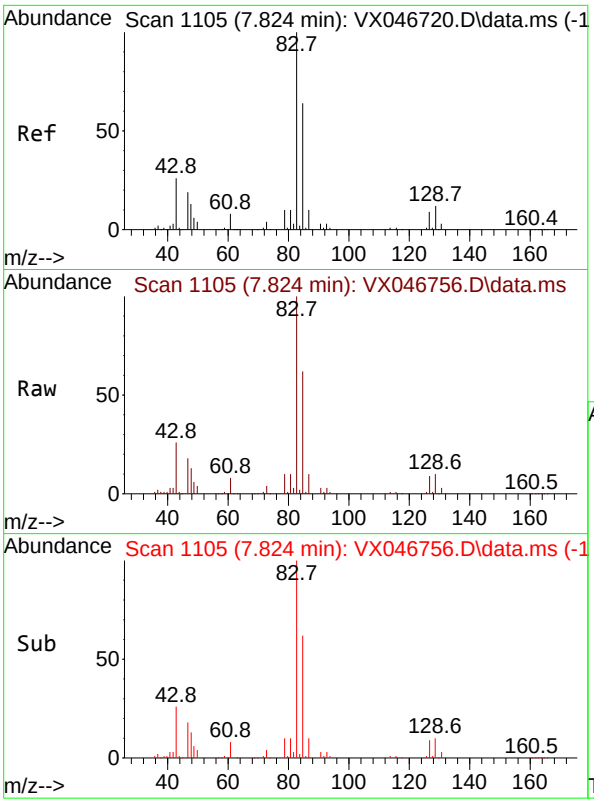



#46
Dibromomethane
Concen: 44.330 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 93 Resp: 54751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.7 | 66.2 | 99.4 |
| 174 | 96.7 | 77.0 | 115.6 |

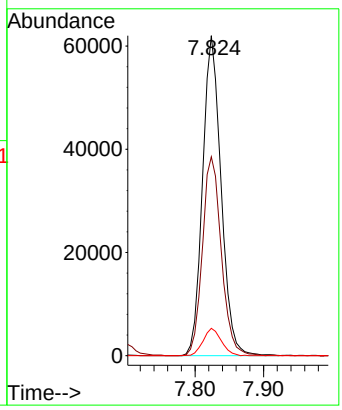





#47
Bromodichloromethane
Concen: 46.281 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 83 Resp: 11664

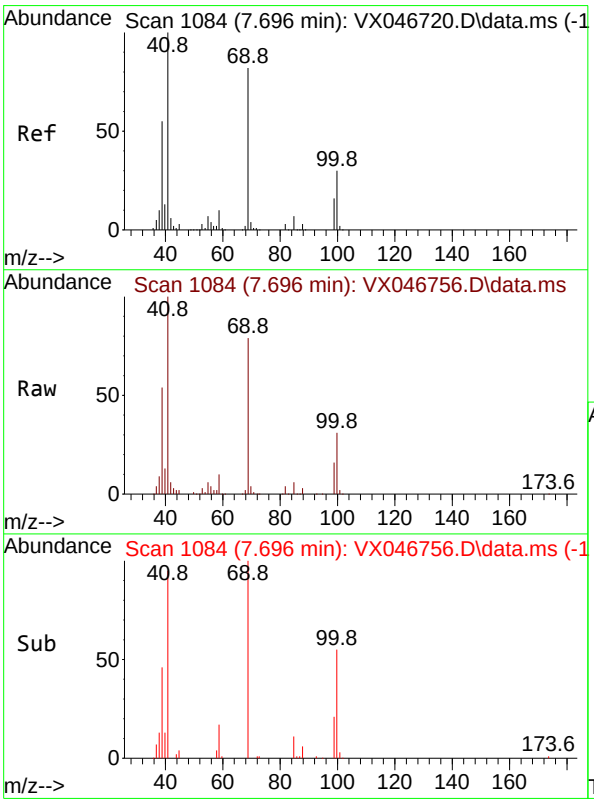
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 51.4 | 77.2 |
| 127 | 8.6 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

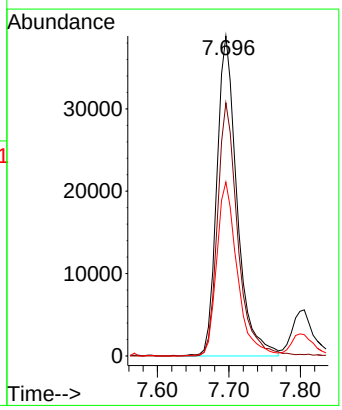
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

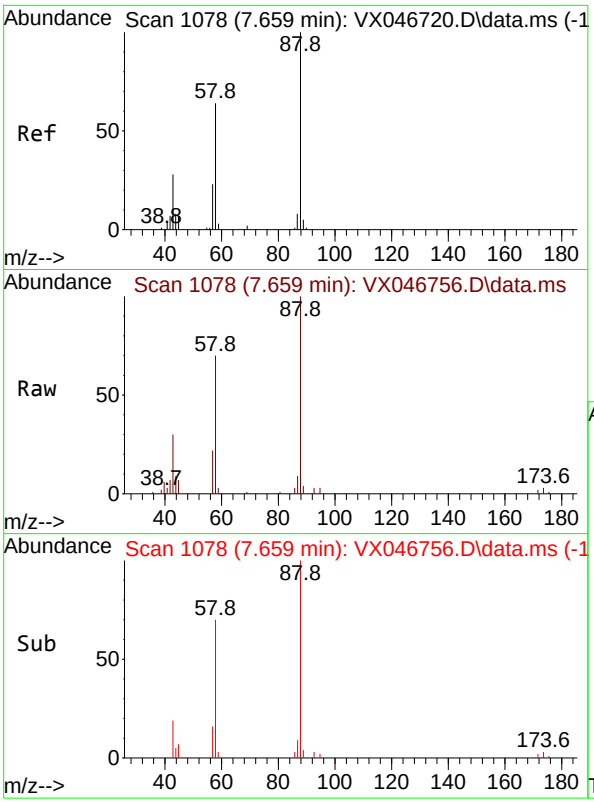



#48
Methyl methacrylate
Concen: 45.018 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 41 Resp: 76410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 55.2 | 45.4 | 68.0 |

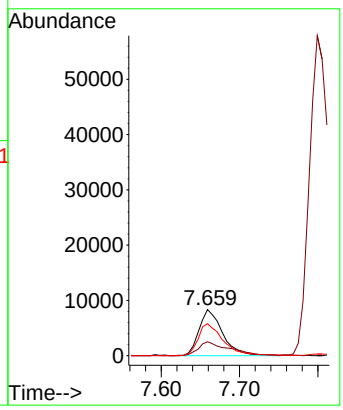





#49
1,4-Dioxane
Concen: 709.769 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 88 Resp: 1731

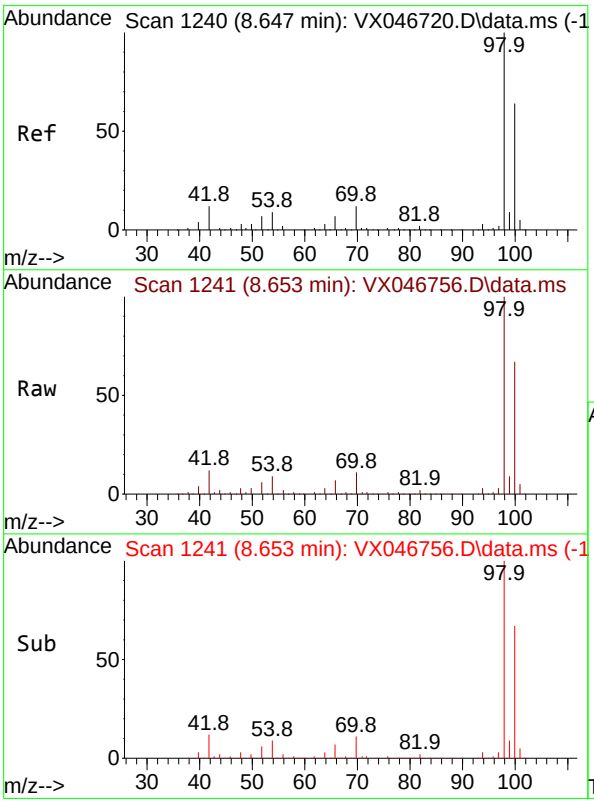
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 31.2 | 46.8 |
| 58 | 74.5 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

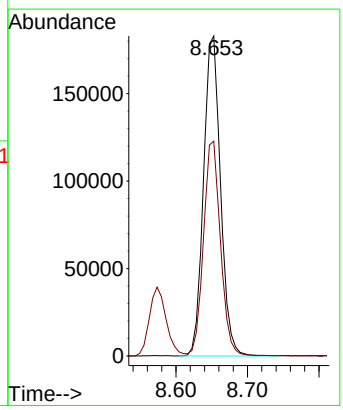
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

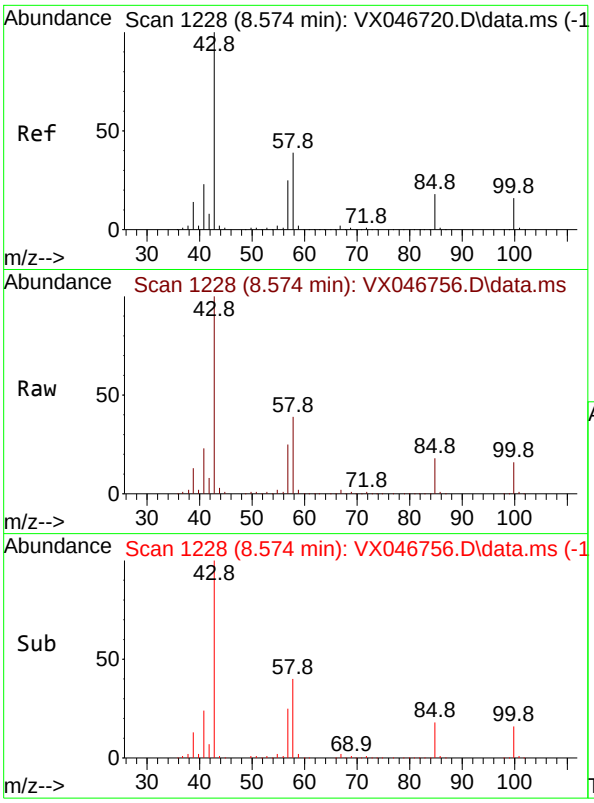



#50
Toluene-d8
Concen: 51.878 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 98 Resp: 302526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

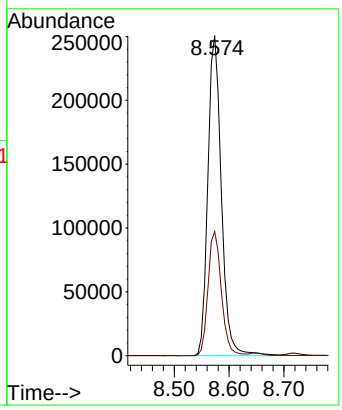





#51
4-Methyl-2-Pentanone
Concen: 211.334 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 42657

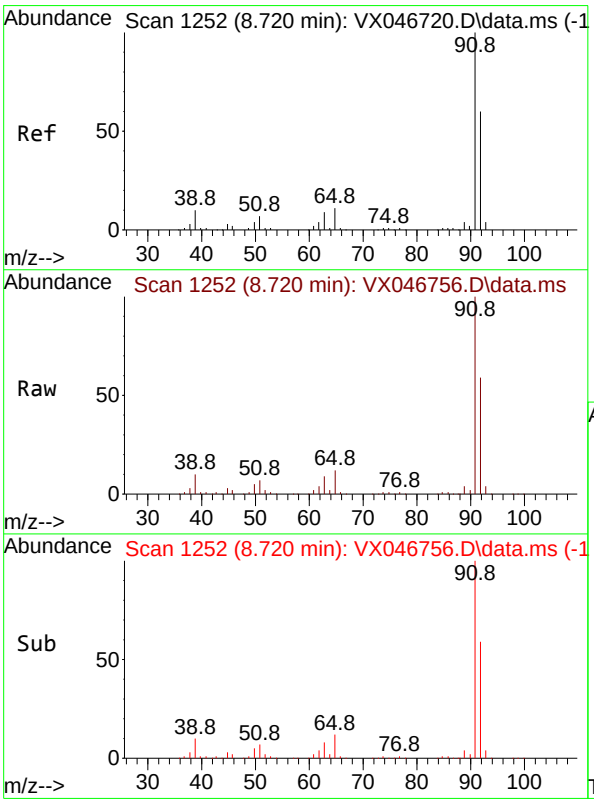
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

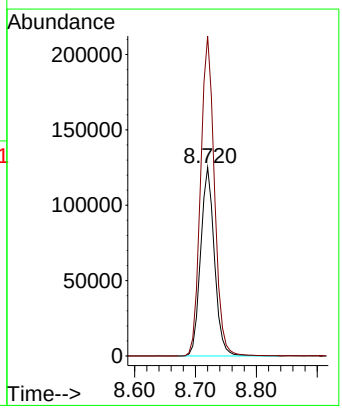
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

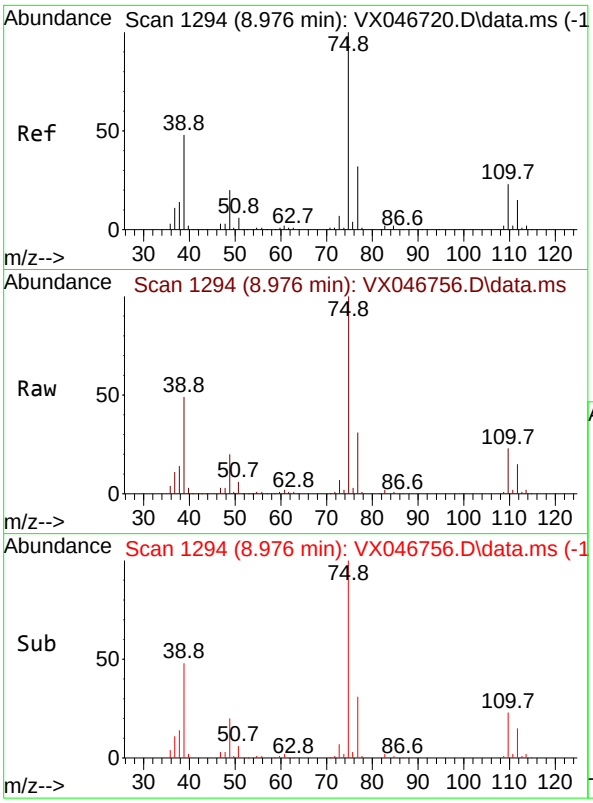



#52
Toluene
Concen: 45.706 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 92 Resp: 196480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 134.8 | 202.2 |

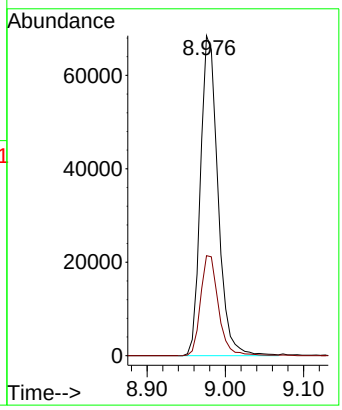





#53
t-1,3-Dichloropropene
Concen: 45.294 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 10592

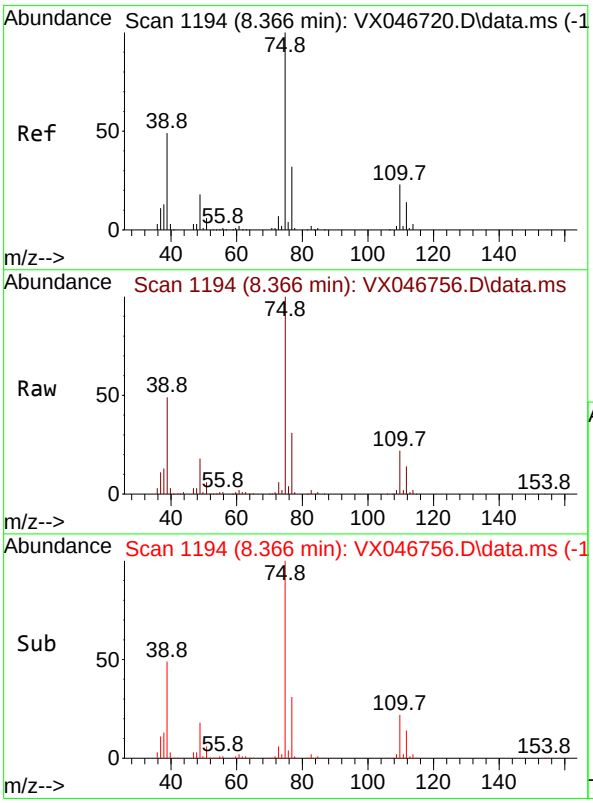
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

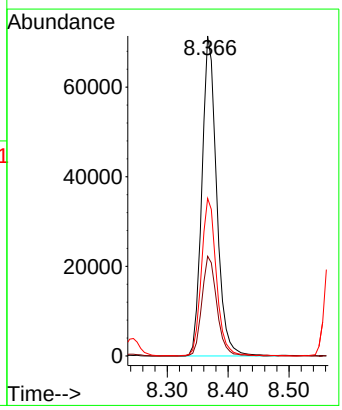
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

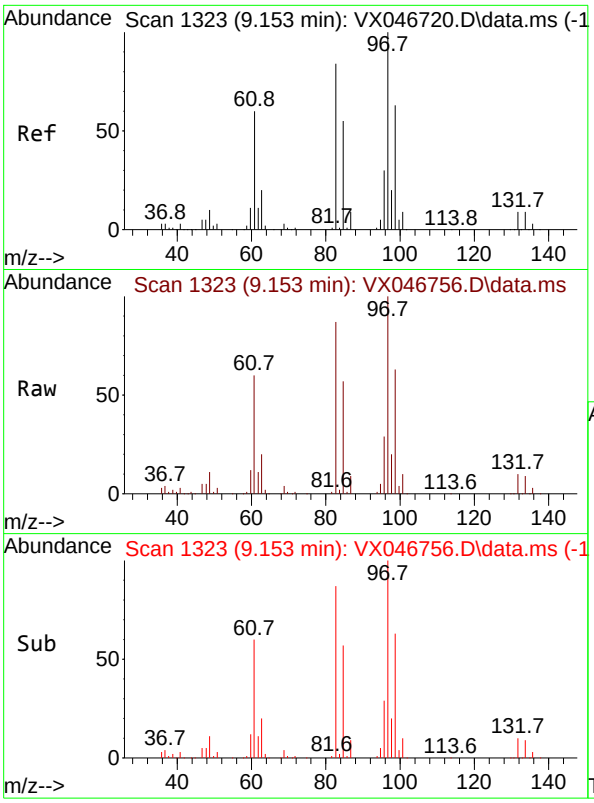



#54
cis-1,3-Dichloropropene
Concen: 45.205 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 120007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.3 | 37.9 |
| 39 | 49.2 | 39.2 | 58.8 |

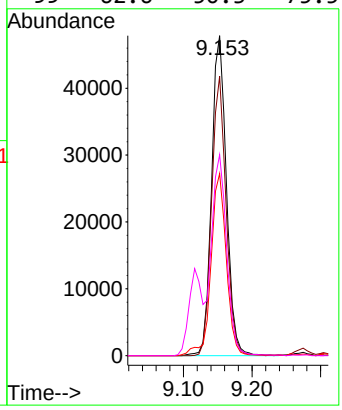





#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 97 Resp: 7201

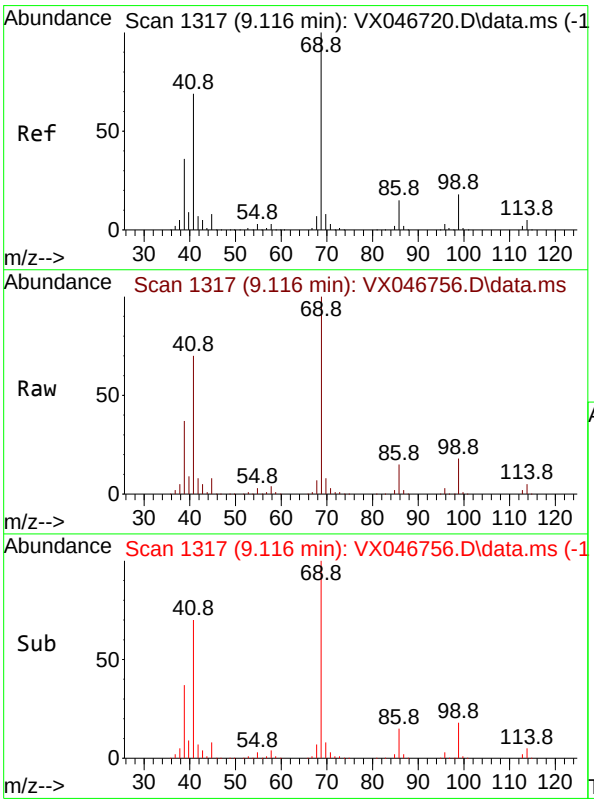
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.3 | 67.2 | 100.8 |
| 85 | 56.9 | 44.1 | 66.1 |
| 99 | 62.6 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

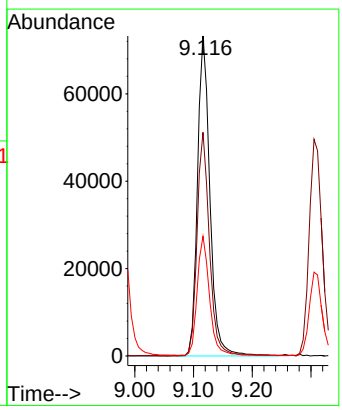
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

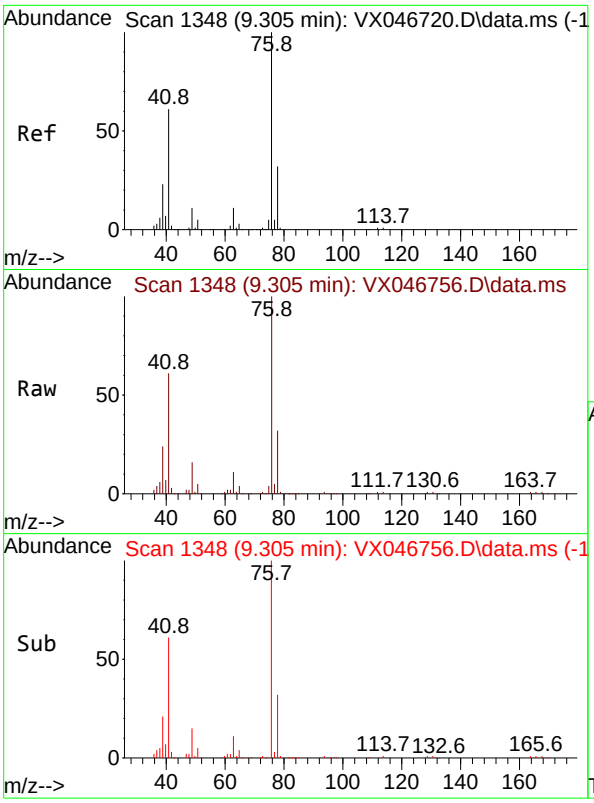



#56
Ethyl methacrylate
Concen: 45.449 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 69 Resp: 107478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.8 | 29.7 | 44.5 |

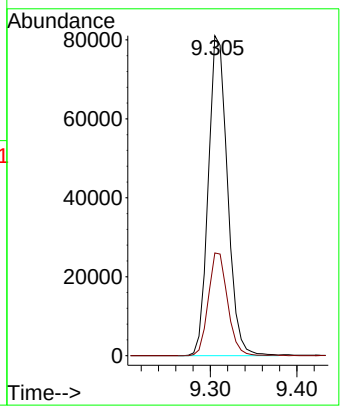





#57
1,3-Dichloropropane
Concen: 45.123 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 76 Resp: 12448

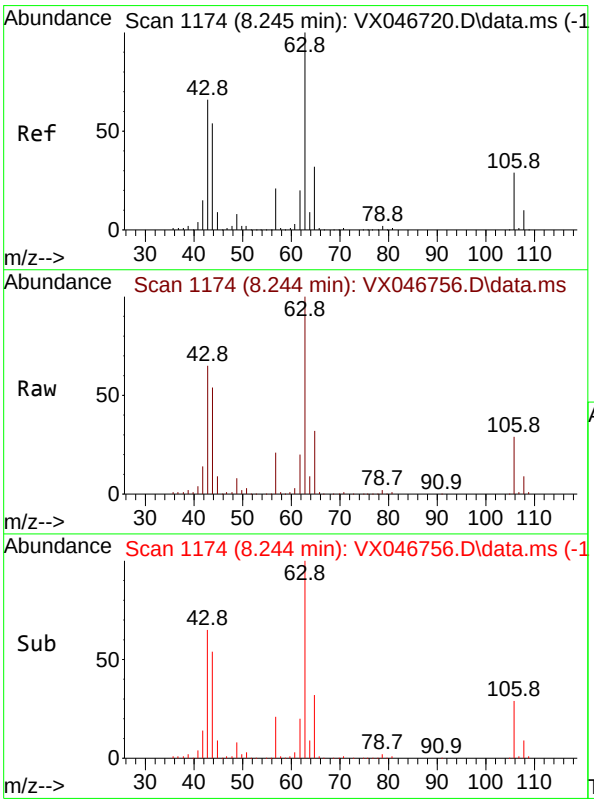
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

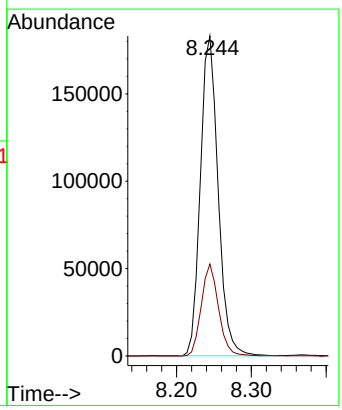
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

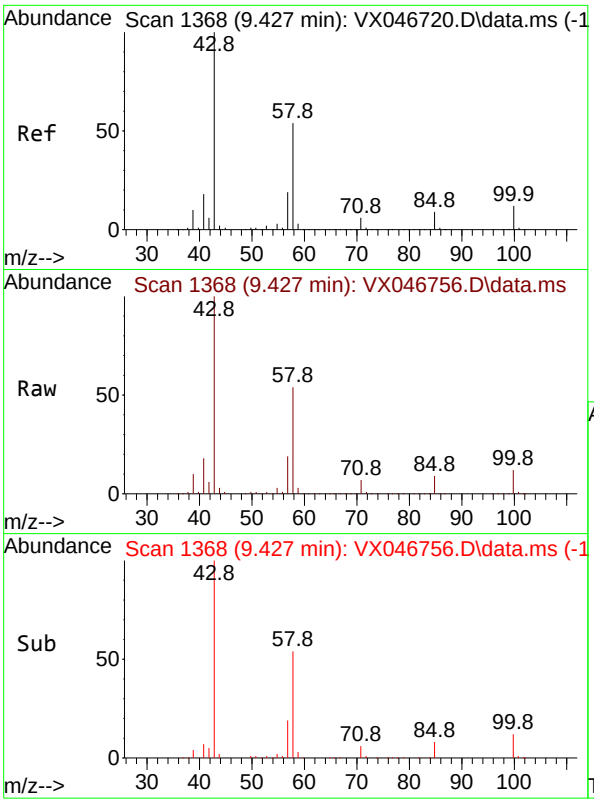



#58
2-Chloroethyl Vinyl ether
Concen: 245.221 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 63 Resp: 301235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.6 | 34.0 |

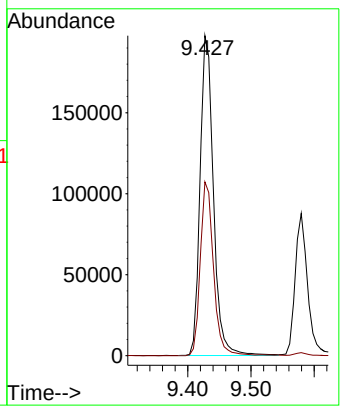





#59
2-Hexanone
Concen: 208.701 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 29123

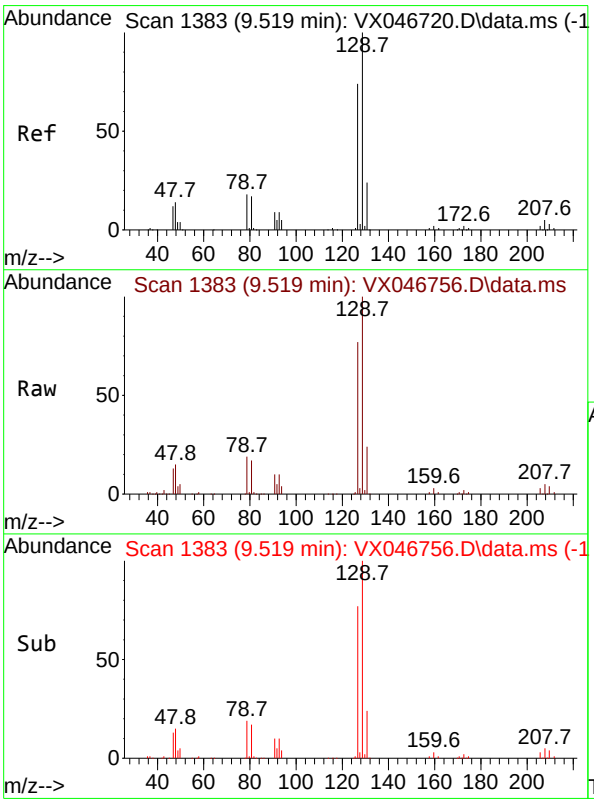
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

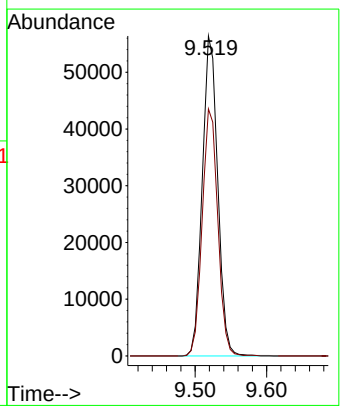
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

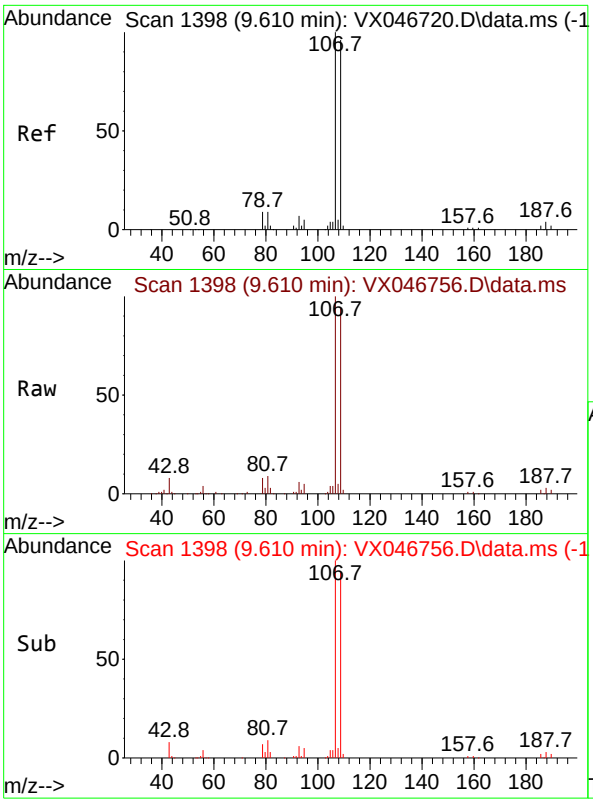



#60
Dibromochloromethane
Concen: 44.810 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:129 Resp: 84597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.4 | 115.2 |

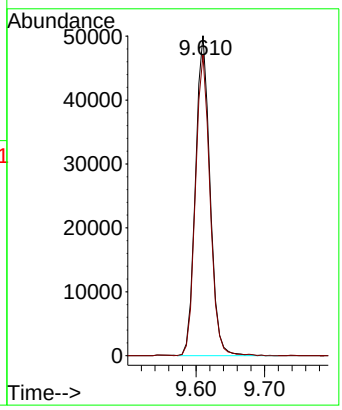





#61
1,2-Dibromoethane
Concen: 45.493 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:107 Resp: 7413

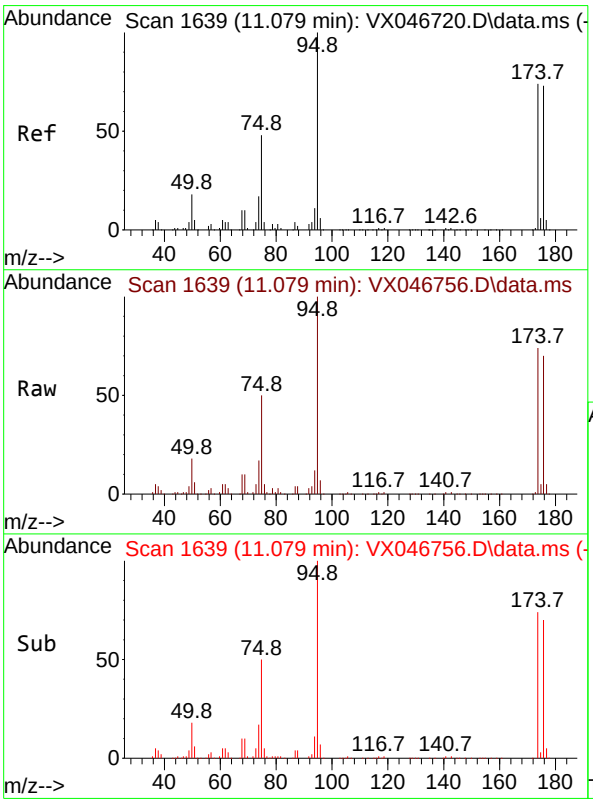
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

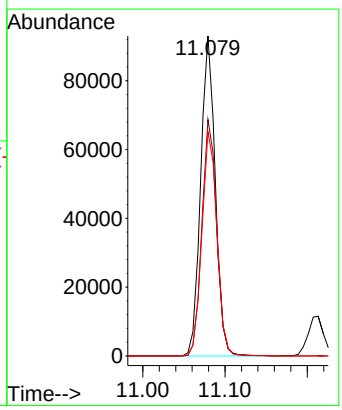
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

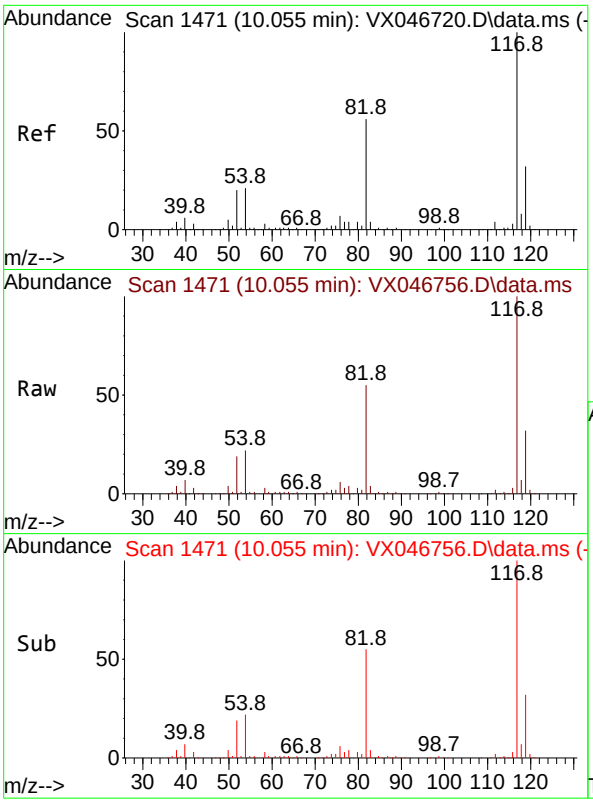



#62
4-Bromofluorobenzene
Concen: 52.773 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 95 Resp: 114717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.6 | 0.0 | 150.4 |
| 176 | 72.3 | 0.0 | 145.0 |

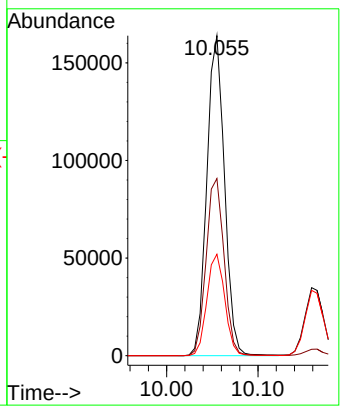





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:117 Resp: 21951

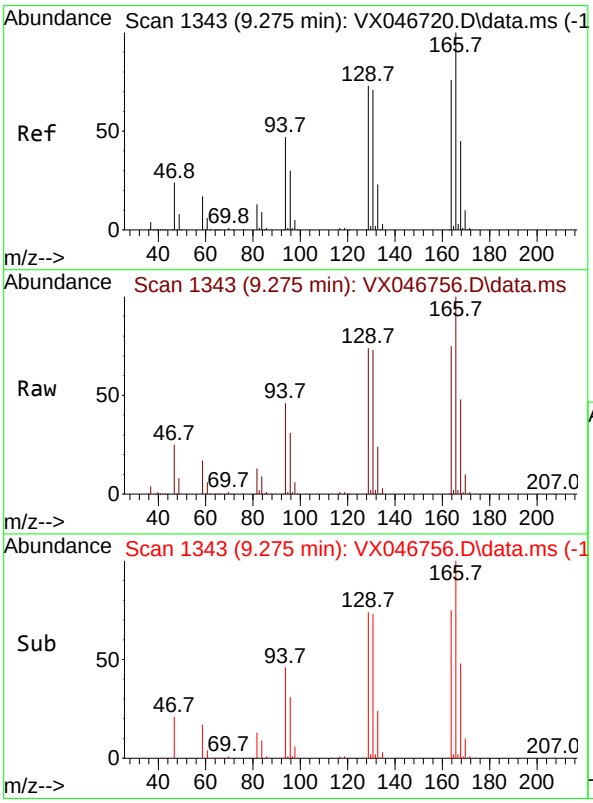
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 44.6 | 66.8 |
| 119 | 31.7 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

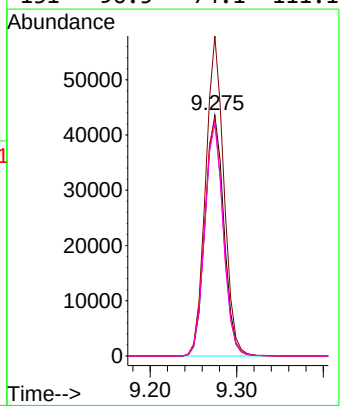
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

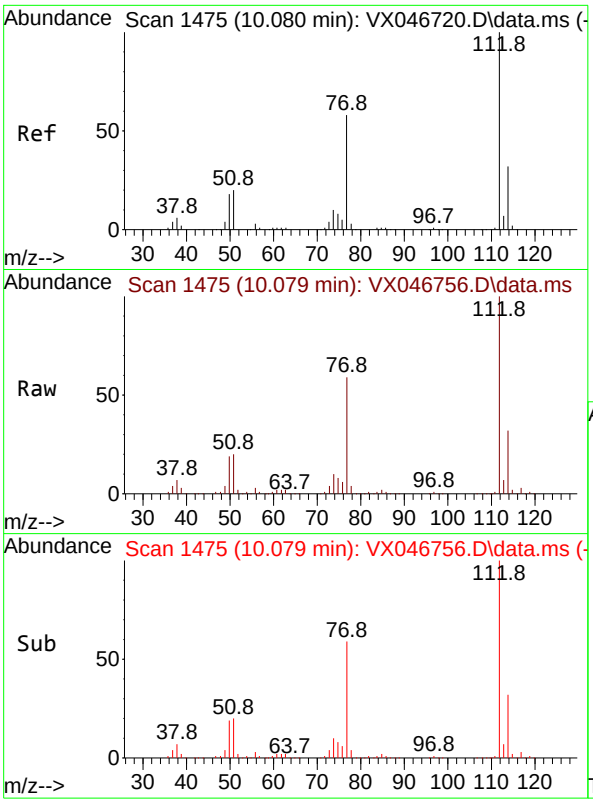



#64
Tetrachloroethene
Concen: 43.220 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:164 Resp: 65730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.9 | 104.6 | 157.0 |
| 129 | 98.5 | 76.3 | 114.5 |
| 131 | 96.5 | 74.1 | 111.1 |

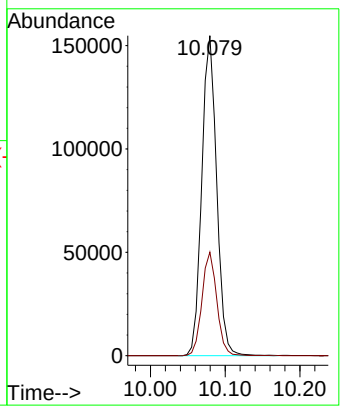





#65
Chlorobenzene
Concen: 44.211 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:112 Resp: 21423

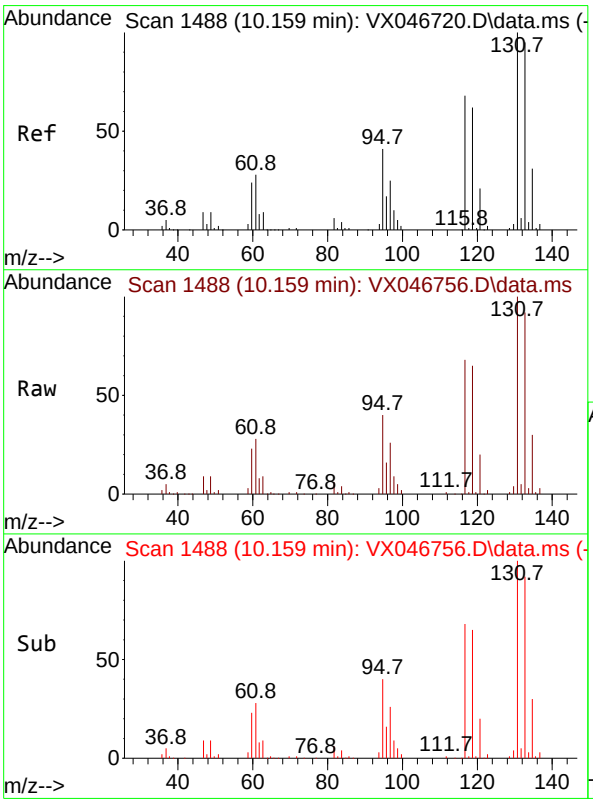
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

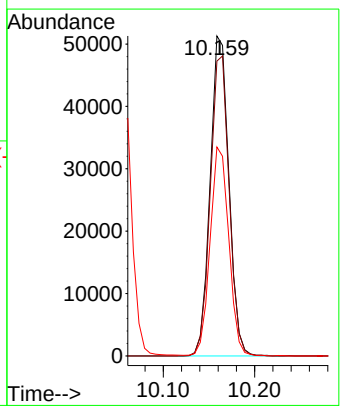
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

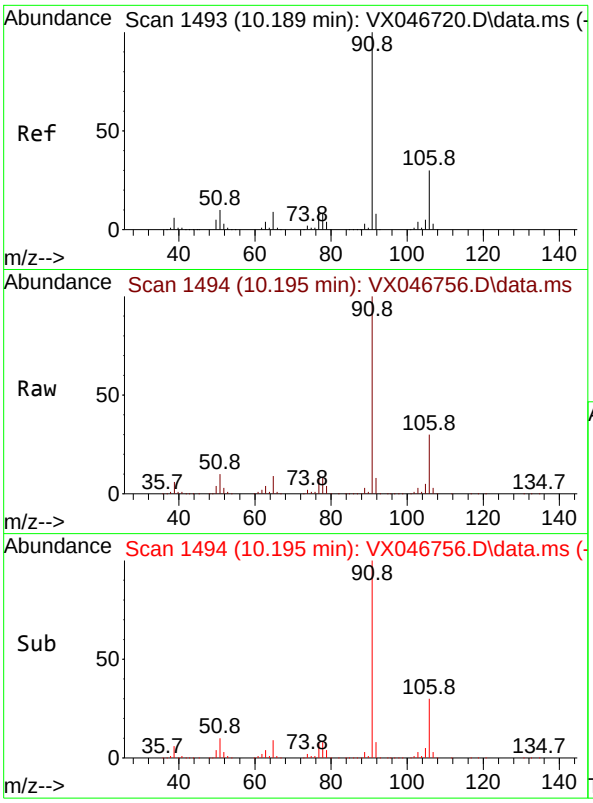



#66
1,1,1,2-Tetrachloroethane
Concen: 44.807 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:131 Resp: 72969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 65.3 | 32.1 | 96.3 |

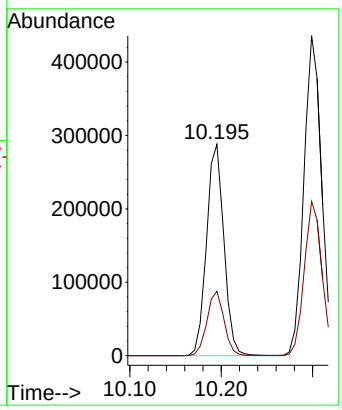





#67
Ethyl Benzene
Concen: 44.751 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 91 Resp: 37888

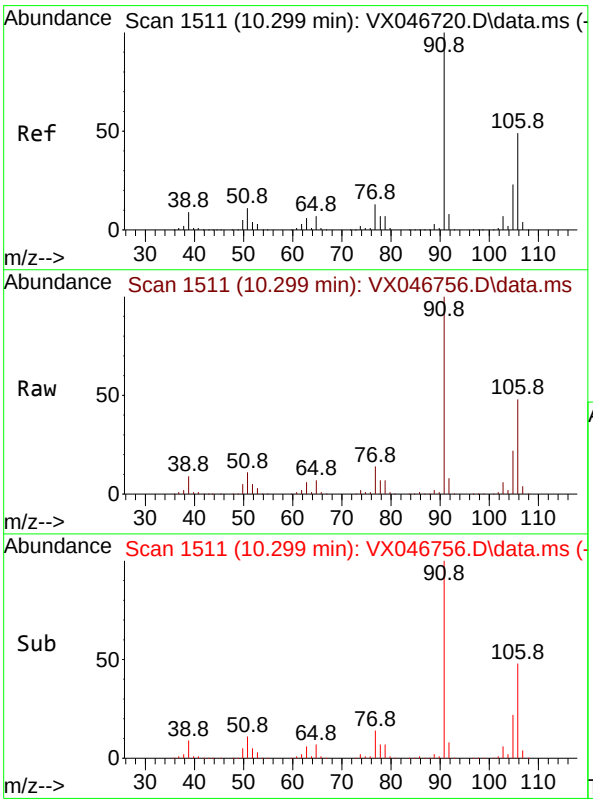
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

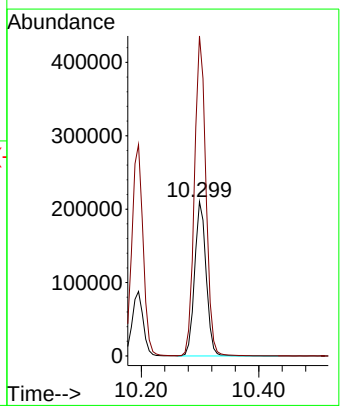
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

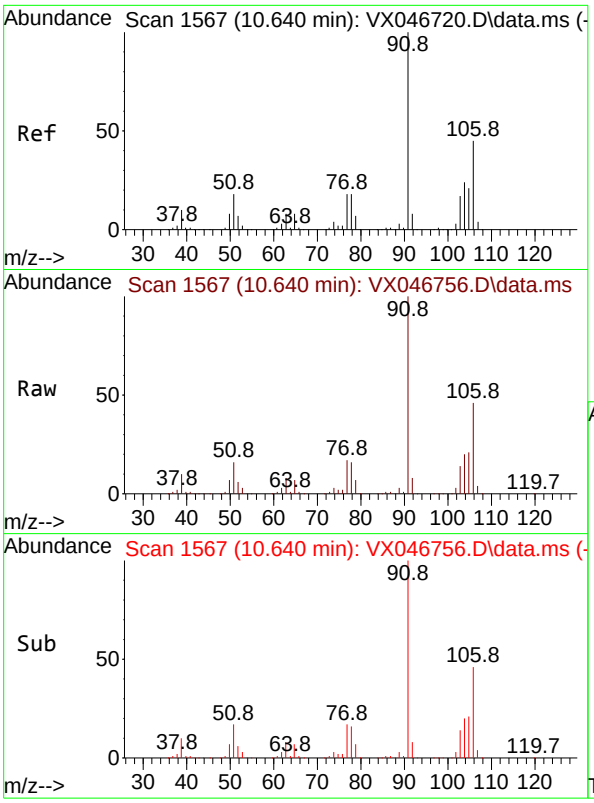



#68
m/p-Xylenes
Concen: 90.331 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:106 Resp: 284969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.8 | 164.8 | 247.2 |

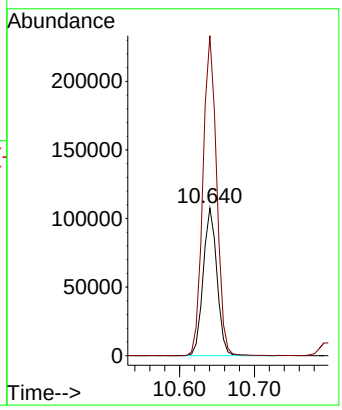





#69
o-Xylene
Concen: 46.579 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:106 Resp: 13771

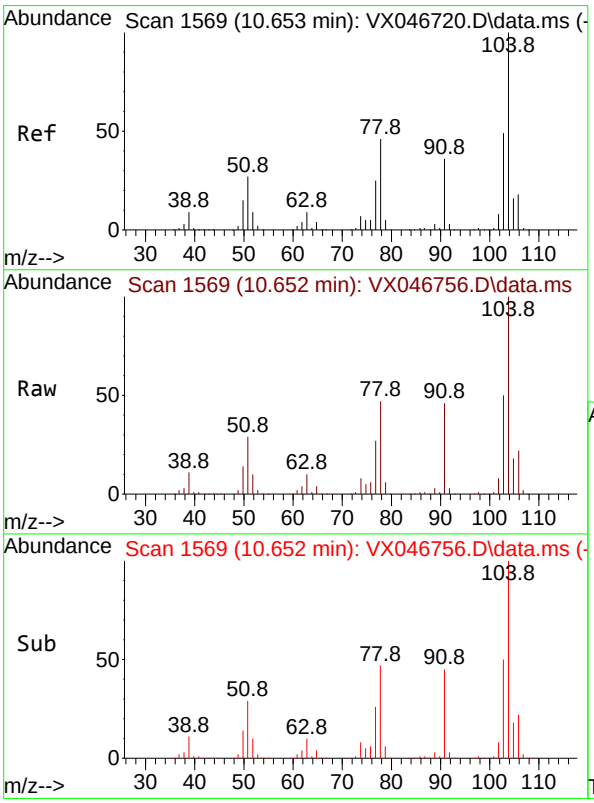
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.6 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

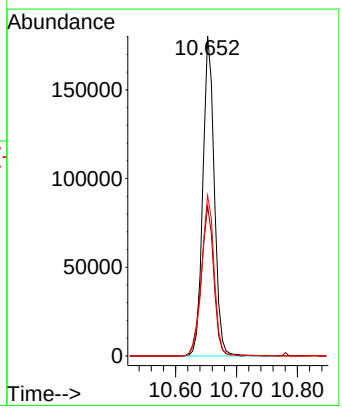
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

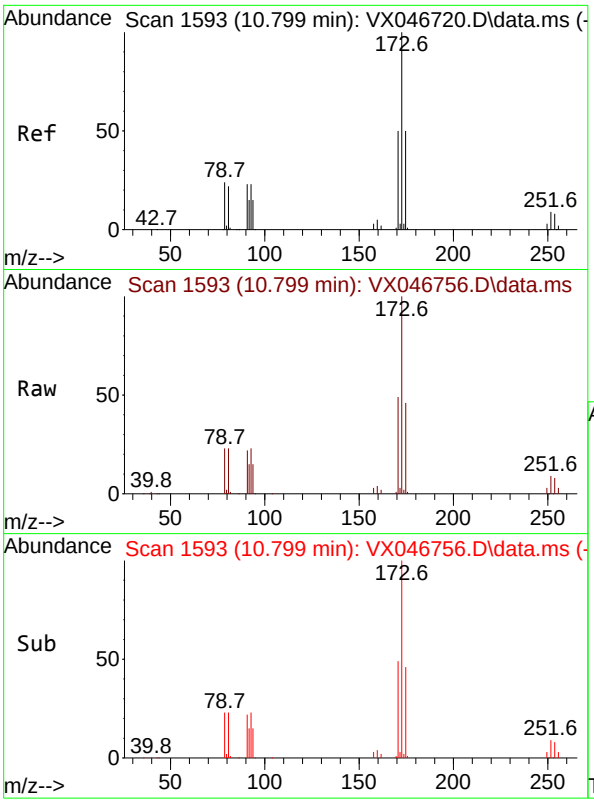



#70
Styrene
Concen: 45.677 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:104 Resp: 236334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.5 | 41.4 | 62.2 |
| 103 | 54.5 | 43.1 | 64.7 |

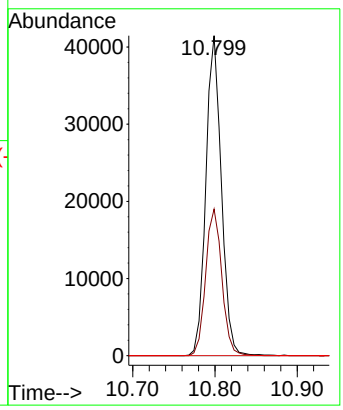





#71
Bromoform
Concen: 43.738 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:173 Resp: 5424

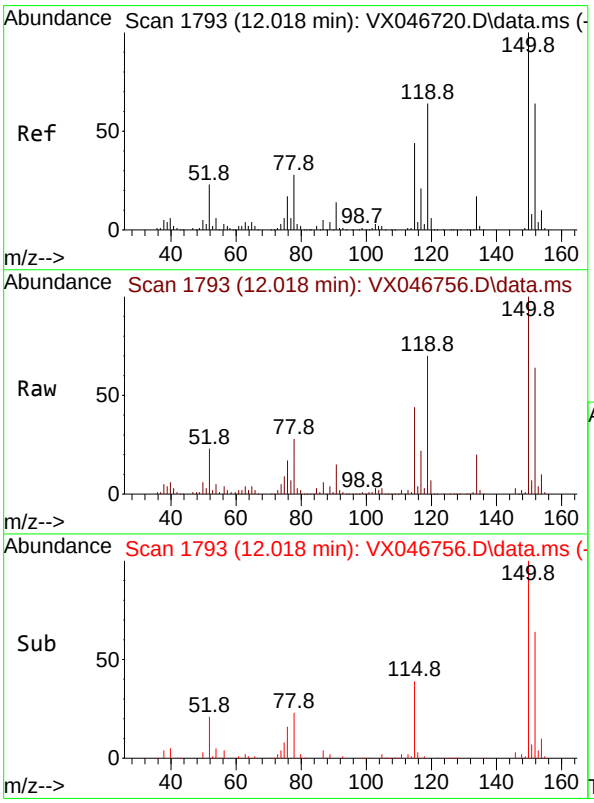
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

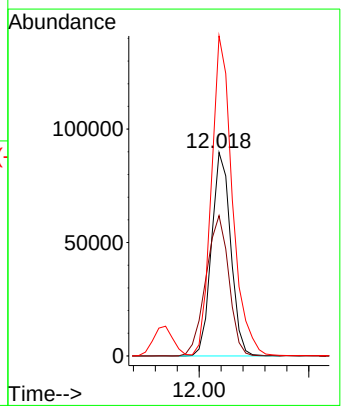
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

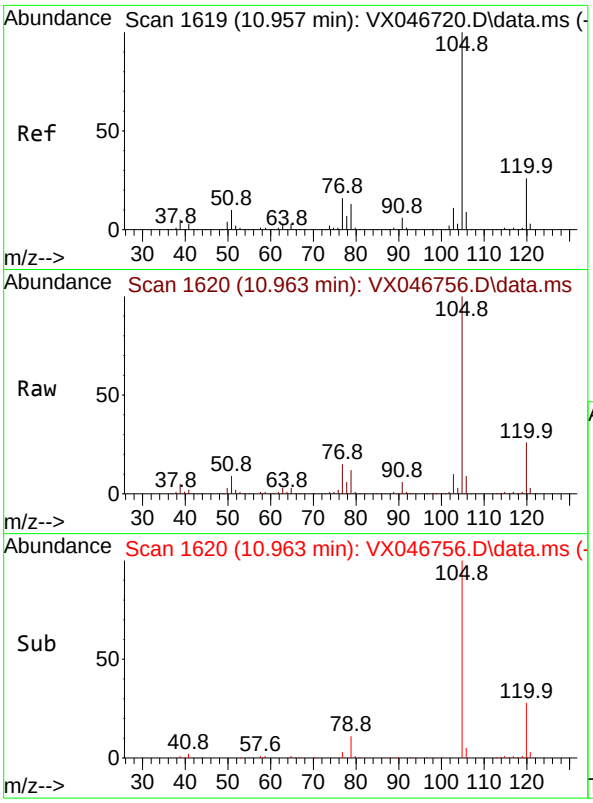



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:152 Resp: 108993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 82.4 | 43.2 | 129.6 |
| 150 | 172.0 | 0.0 | 346.8 |

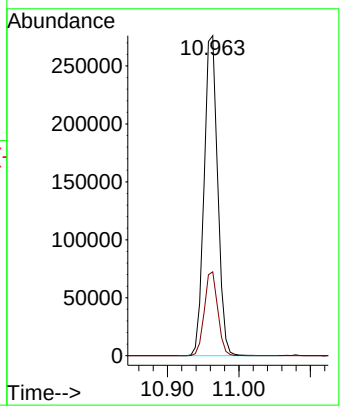





#73
Isopropylbenzene
Concen: 45.390 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 36436

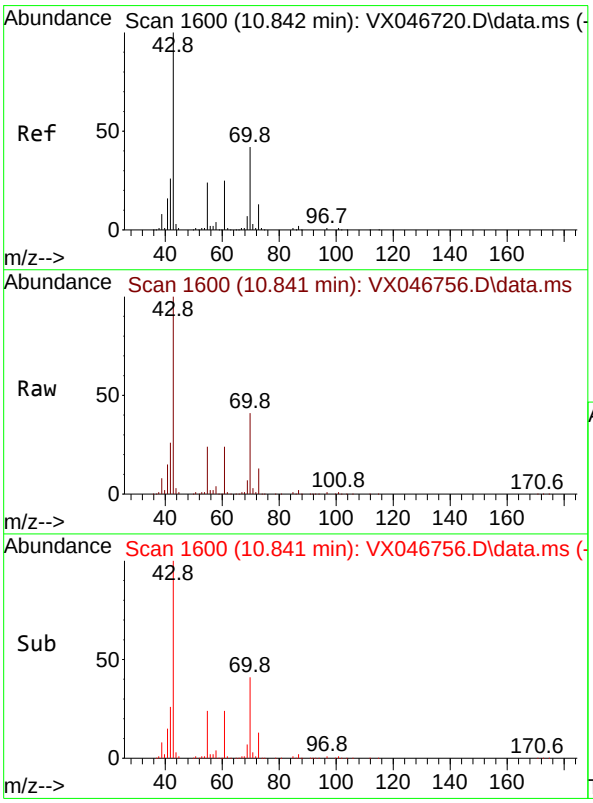
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

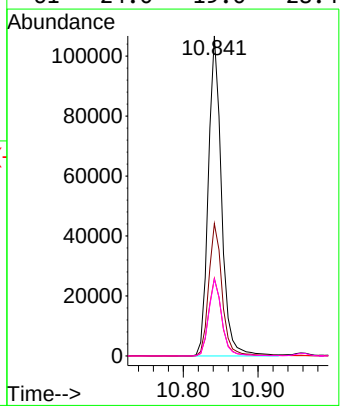
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

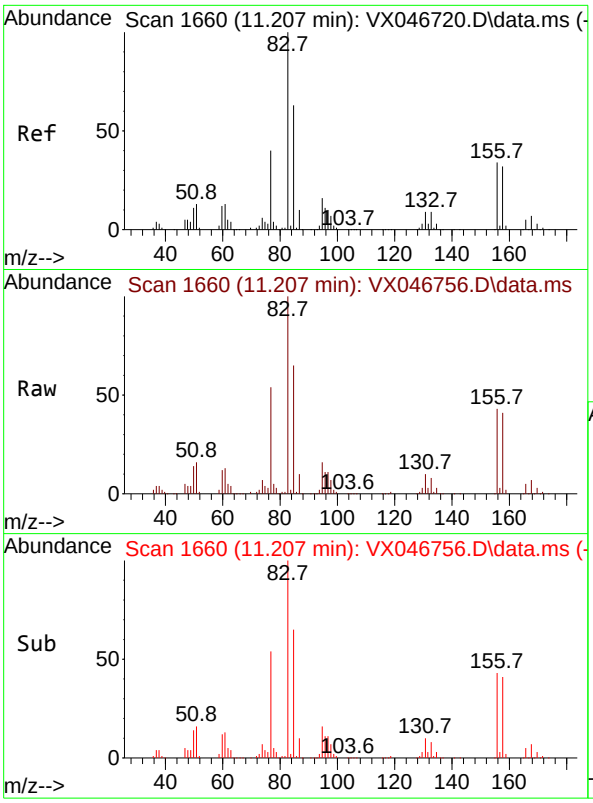



#74
N-amyl acetate
Concen: 42.930 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 130567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.1 | 33.4 | 50.0 |
| 55 | 24.4 | 19.1 | 28.7 |
| 61 | 24.0 | 19.0 | 28.4 |

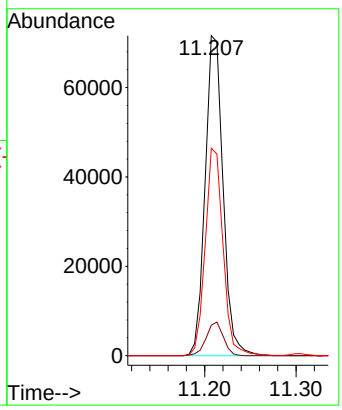





#75
1,1,2,2-Tetrachloroethane
Concen: 43.460 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 83 Resp: 9741

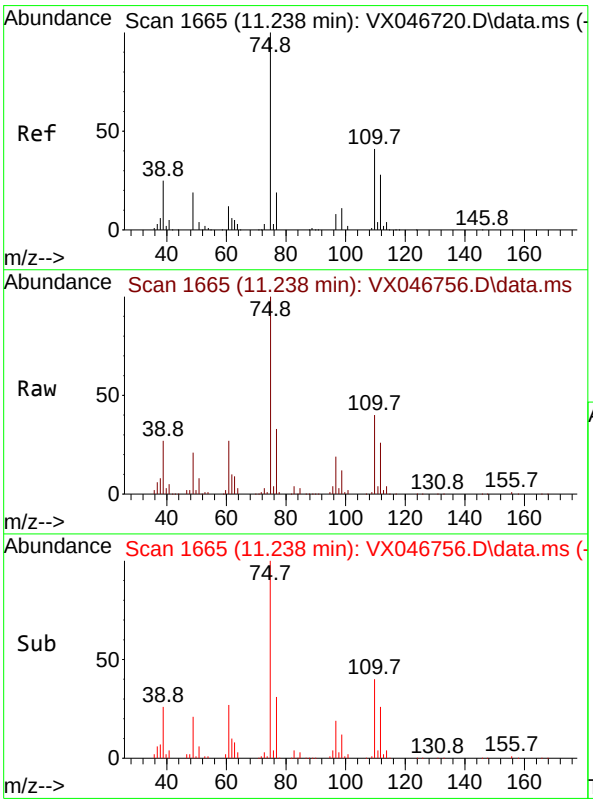
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.3 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

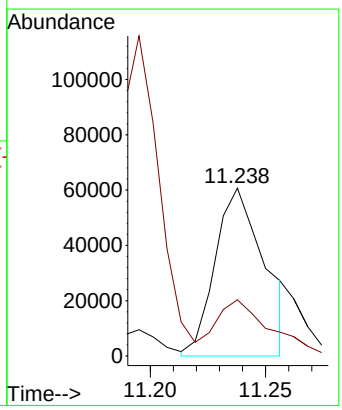
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

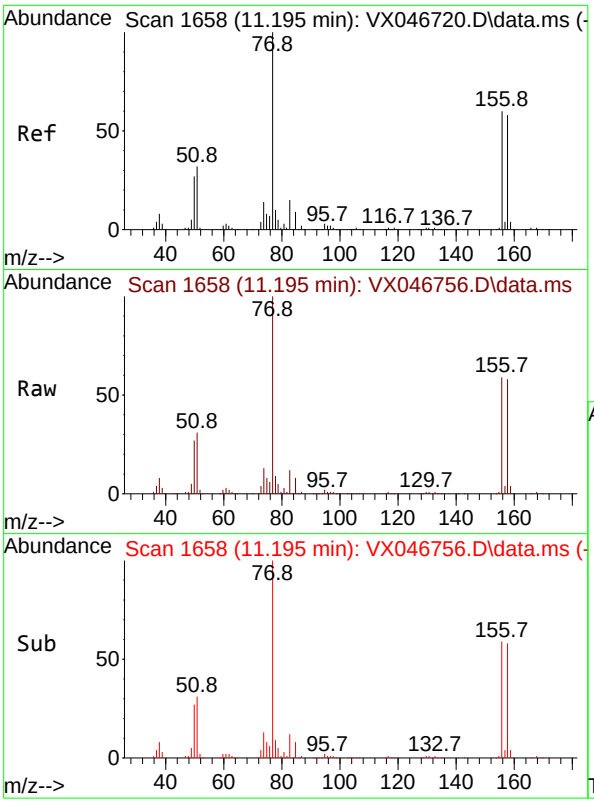



#76
1,2,3-Trichloropropane
Concen: 44.975 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 89781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.3 | 18.5 | 55.5 |

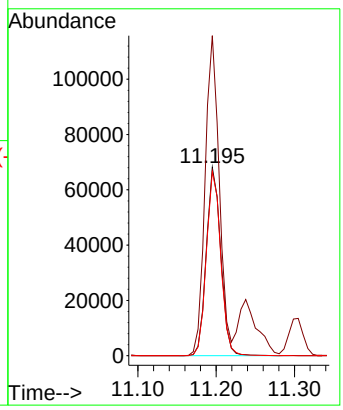





#77
Bromobenzene
Concen: 44.901 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:156 Resp: 8673

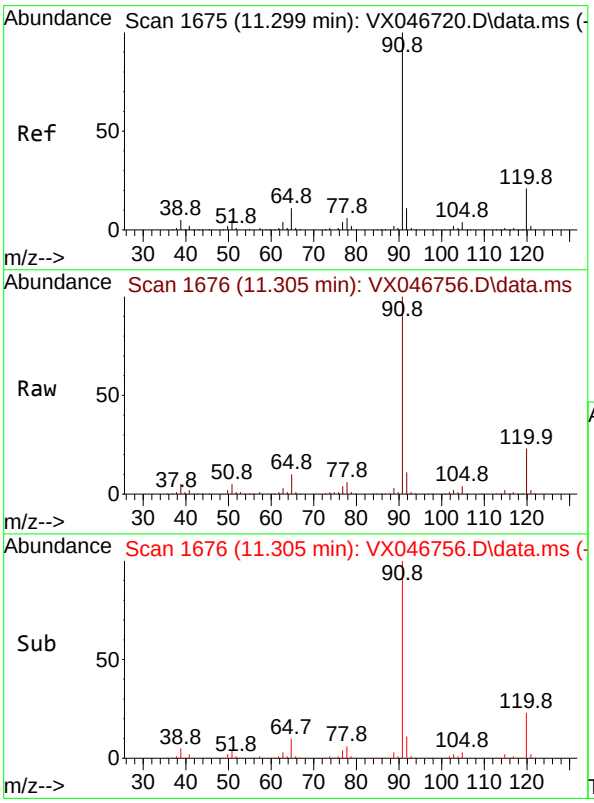
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.2 | 82.8 | 248.6 |
| 158 | 98.0 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

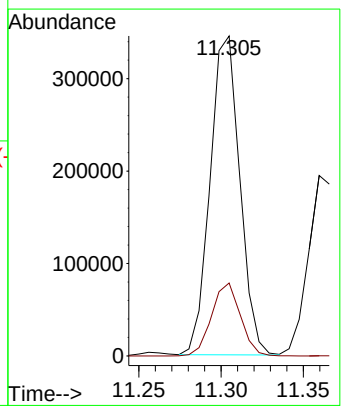
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

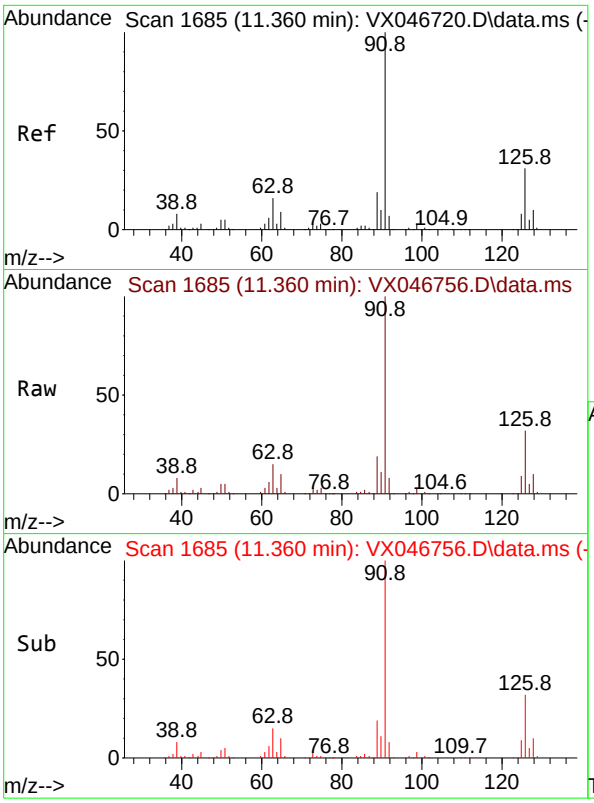



#78
n-propylbenzene
Concen: 45.483 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 91 Resp: 433663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 44.031 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

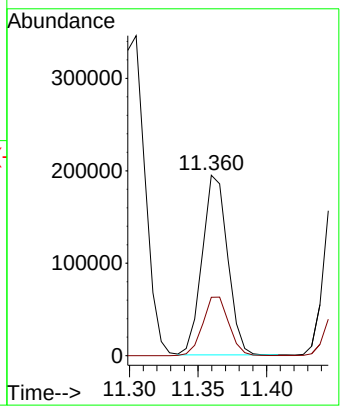
Tgt Ion: 91 Resp: 25065

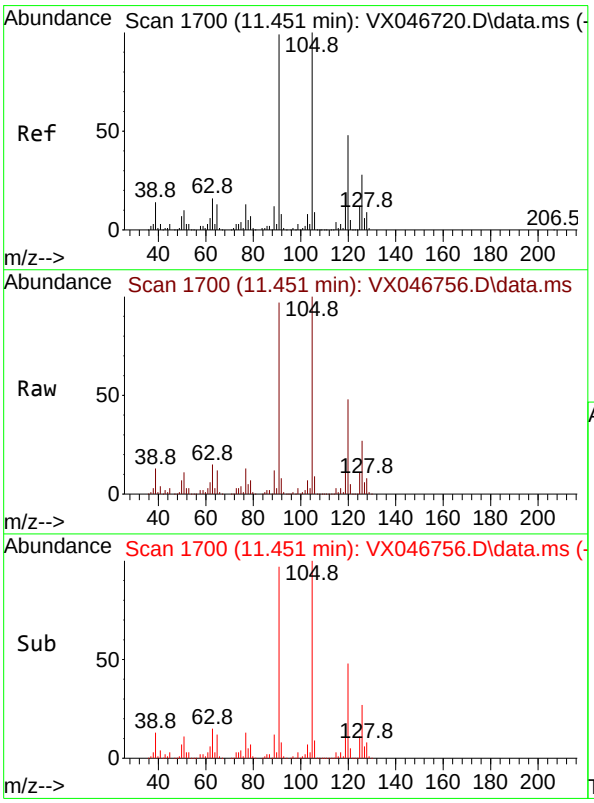
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

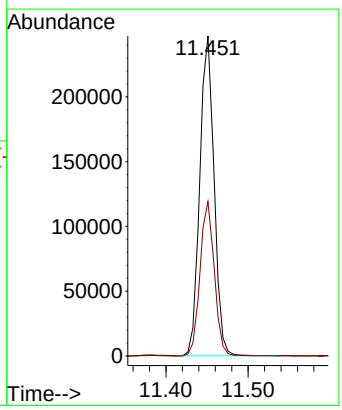


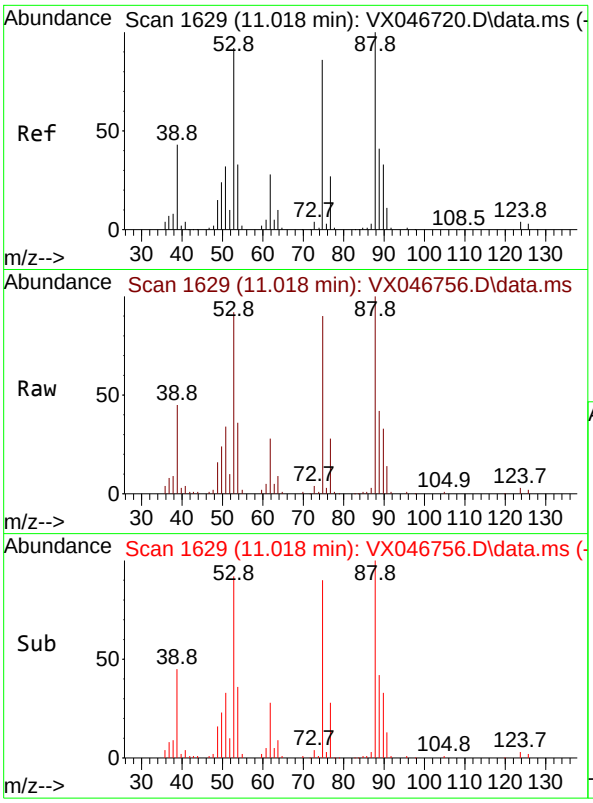




#80
1,3,5-Trimethylbenzene
Concen: 45.302 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 298840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.1 | 72.2 |

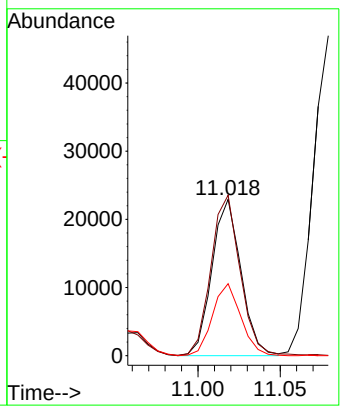





#81
trans-1,4-Dichloro-2-butene
Concen: 39.929 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 2819

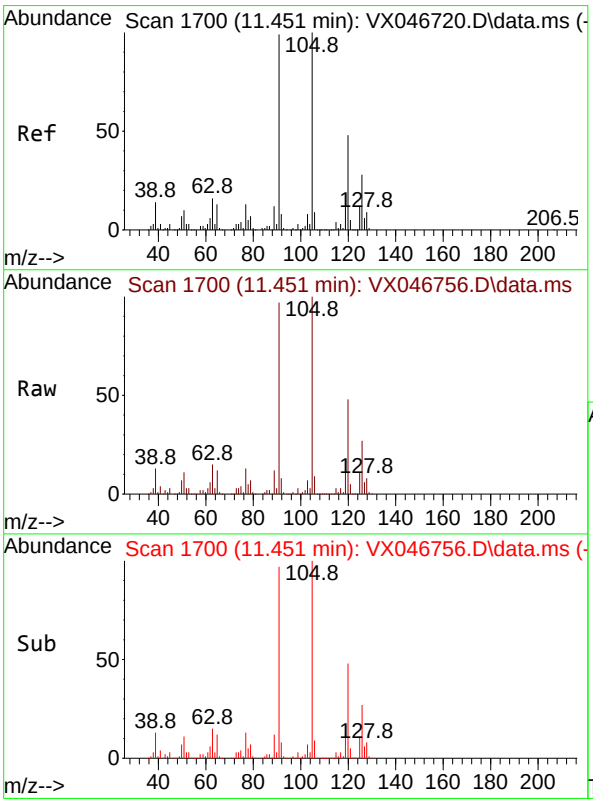
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.1 | 86.8 | 130.2 |
| 89 | 45.0 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

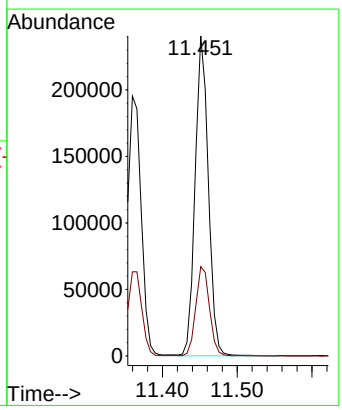
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

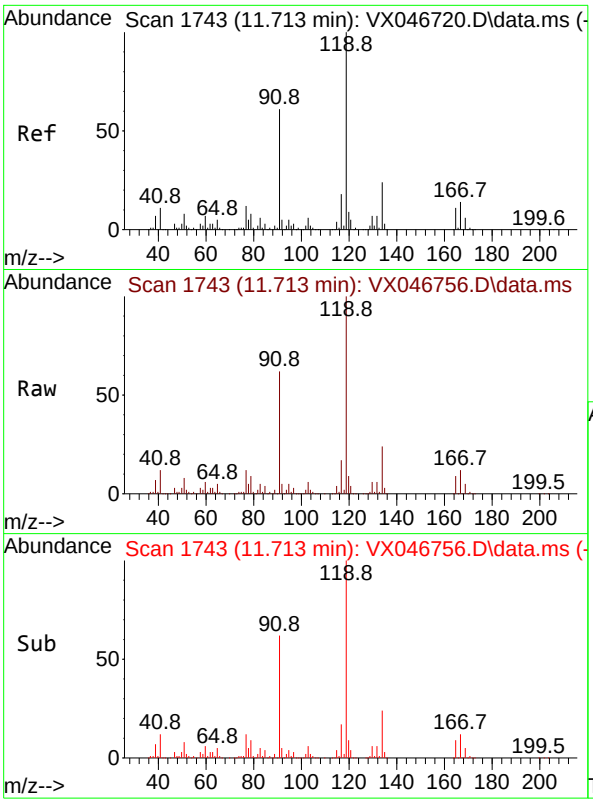



#82
4-Chlorotoluene
Concen: 44.330 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 91 Resp: 294514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.4 | 43.2 |

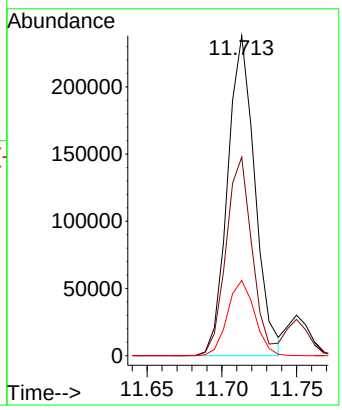





#83
tert-Butylbenzene
Concen: 44.204 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:119 Resp: 30141

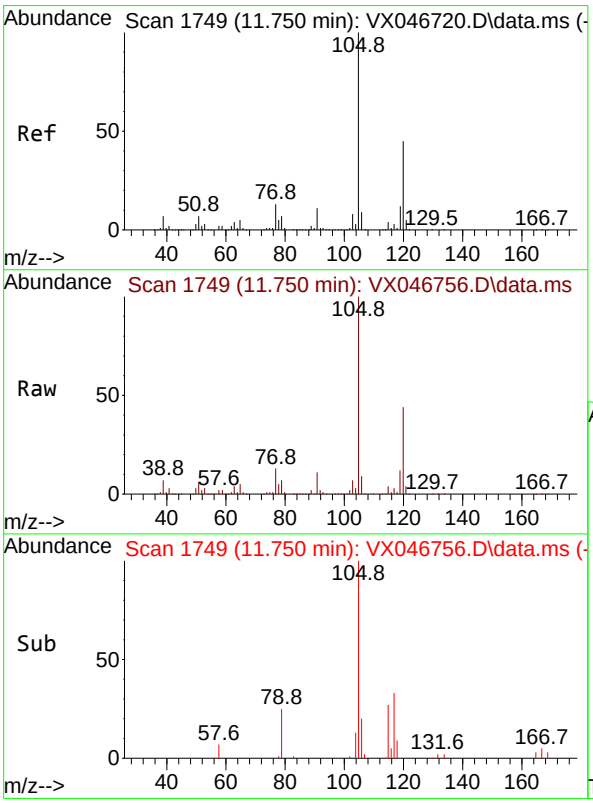
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 29.5 | 88.6 |
| 134 | 23.4 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

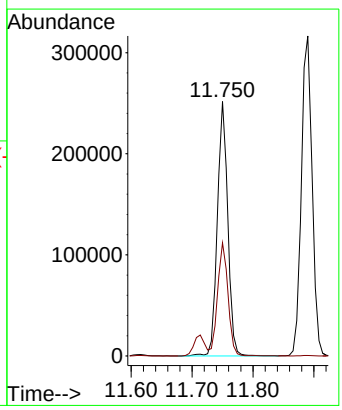
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

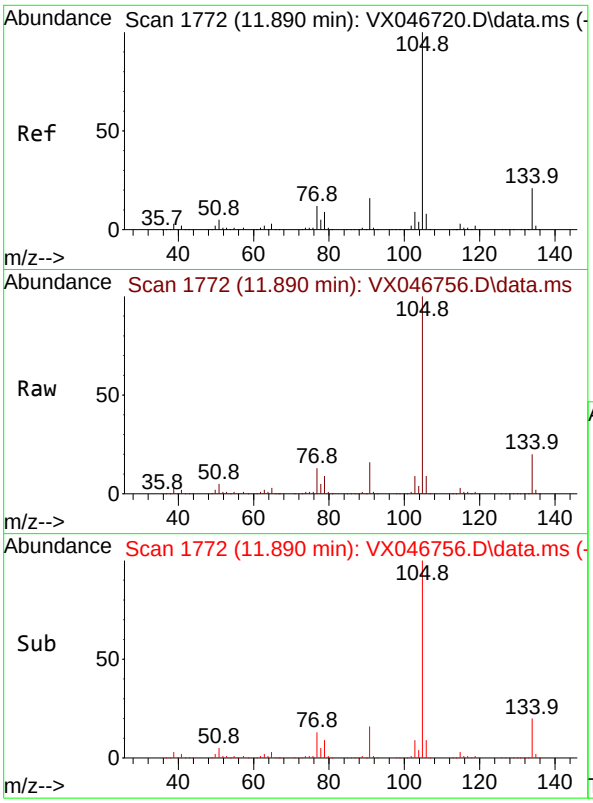



#84
1,2,4-Trimethylbenzene
Concen: 45.207 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 299612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.1 | 66.3 |

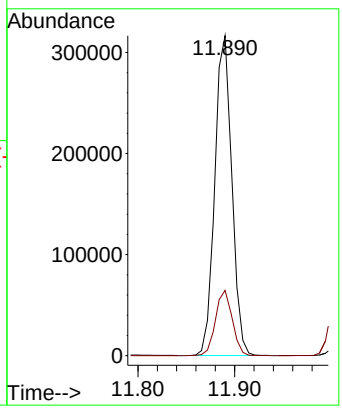





#85
sec-Butylbenzene
Concen: 44.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 38617

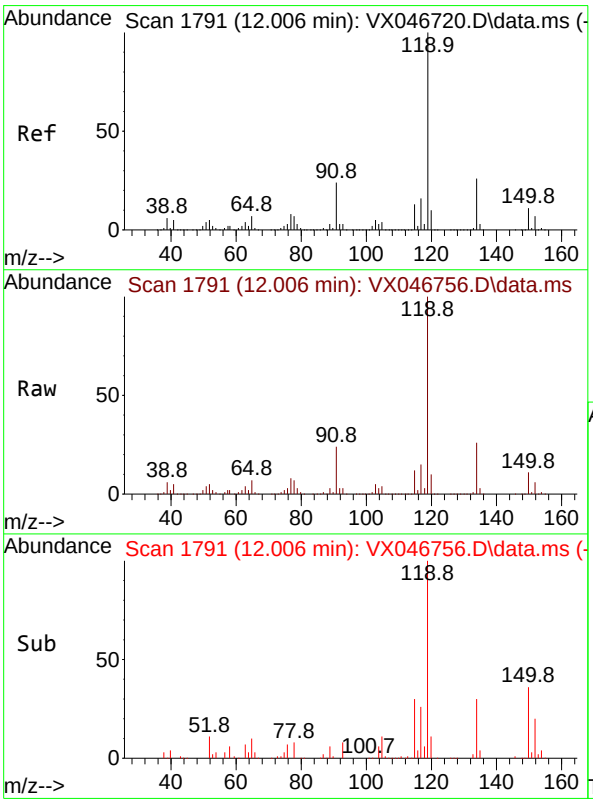
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

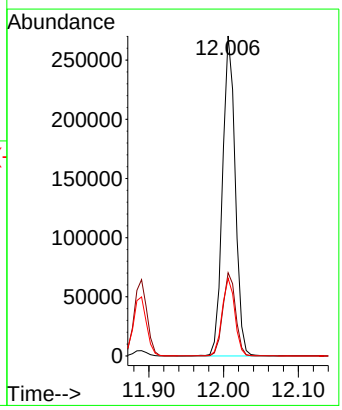
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

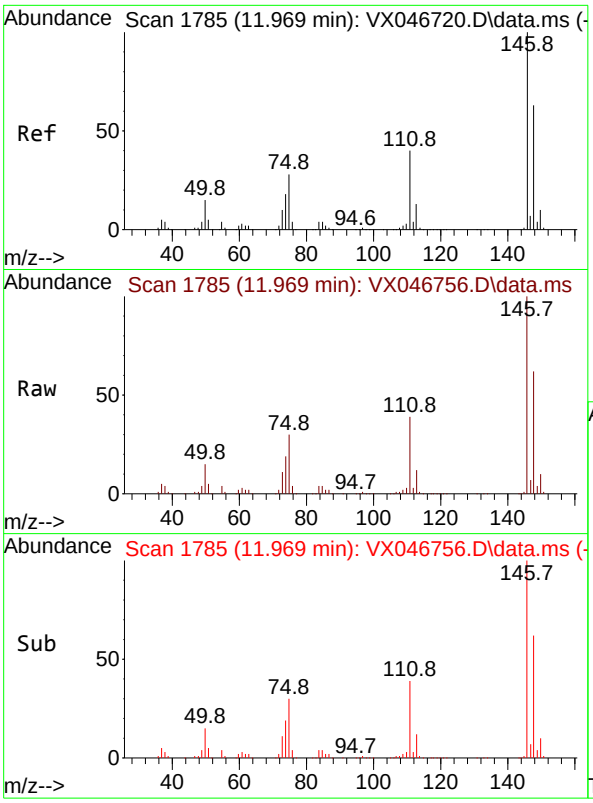



#86
p-Isopropyltoluene
Concen: 44.100 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:119 Resp: 320650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 24.3 | 12.3 | 36.9 |

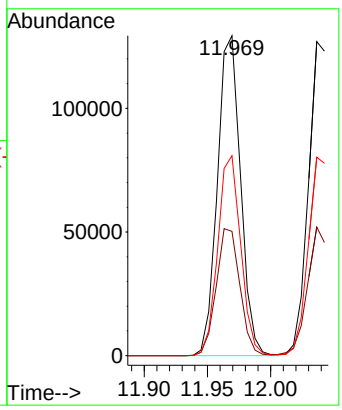





#87
1,3-Dichlorobenzene
Concen: 43.697 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:146 Resp: 16458

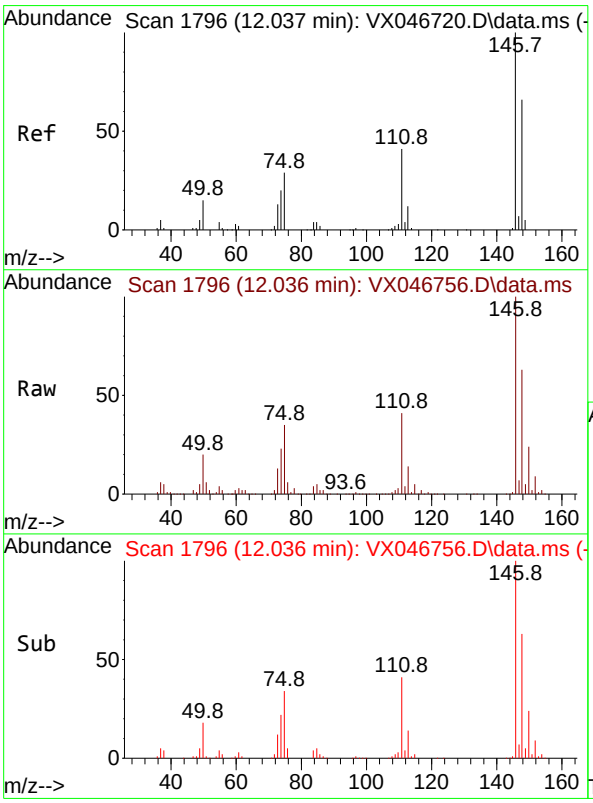
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.6 | 61.8 |
| 148 | 62.0 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

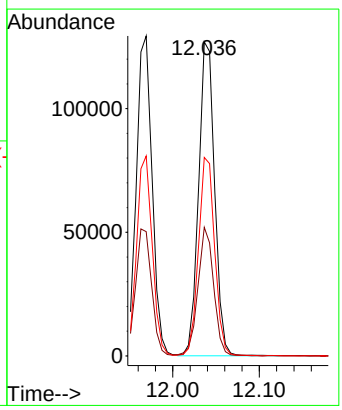
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

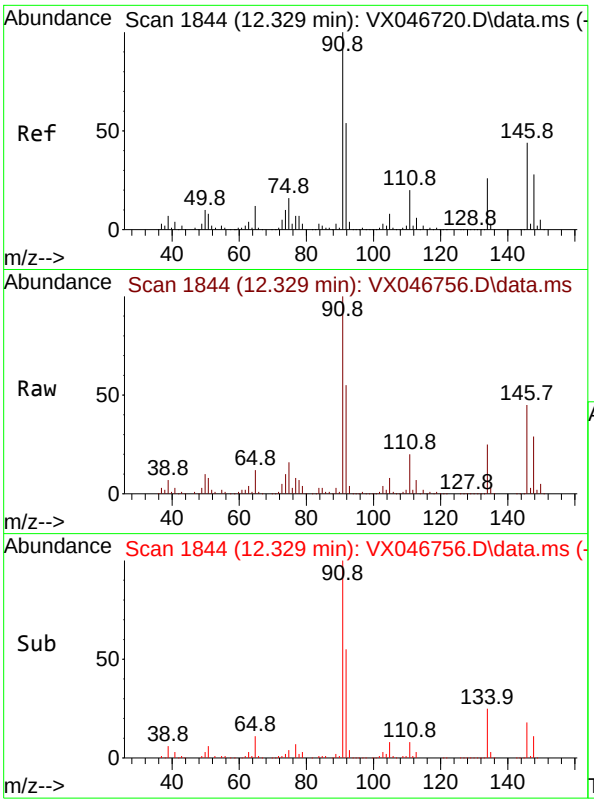



#88
1,4-Dichlorobenzene
Concen: 42.172 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:146 Resp: 163149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.3 | 61.0 |
| 148 | 64.2 | 32.1 | 96.5 |






#89
n-Butylbenzene
Concen: 44.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

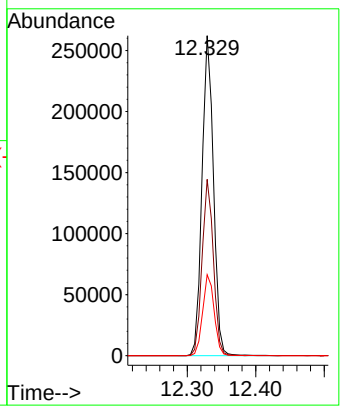
Tgt Ion: 91 Resp: 30491

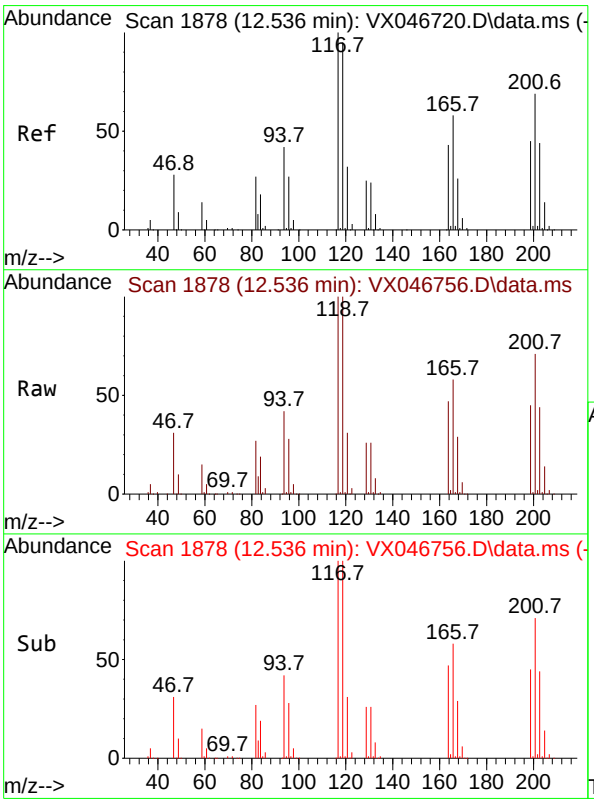
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.3 | 27.1 | 81.3 |
| 134 | 25.5 | 12.9 | 38.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

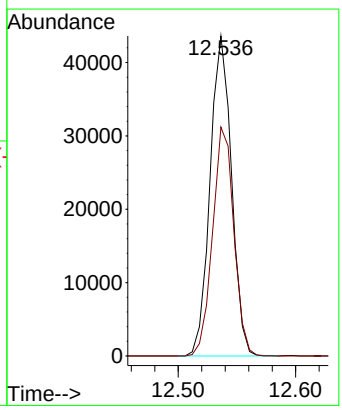


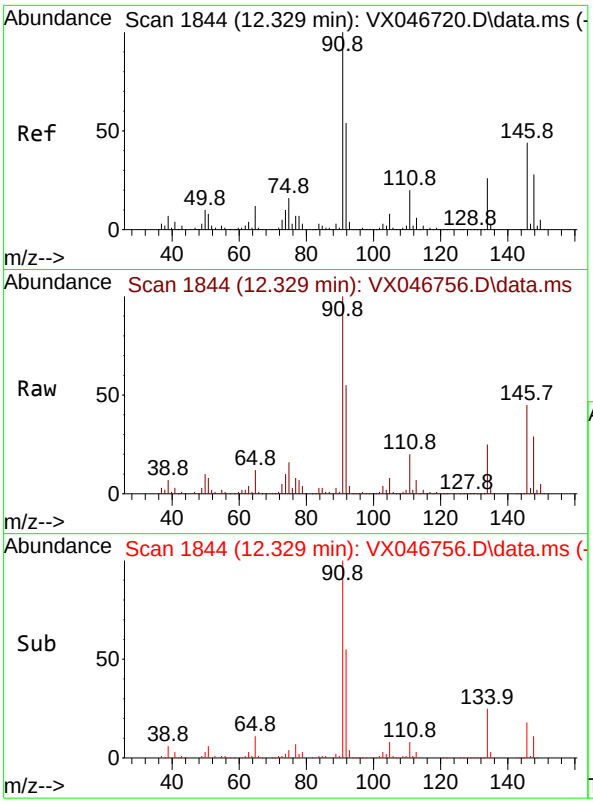




#90
Hexachloroethane
Concen: 43.401 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:117 Resp: 55261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.1 | 34.4 | 103.3 |

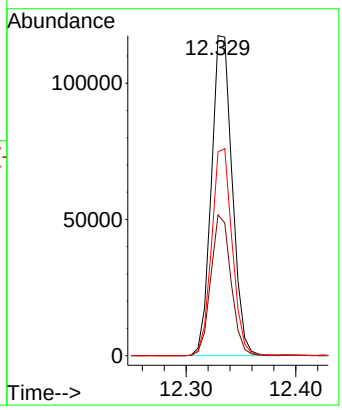





#91
1,2-Dichlorobenzene
Concen: 44.112 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:146 Resp: 15526

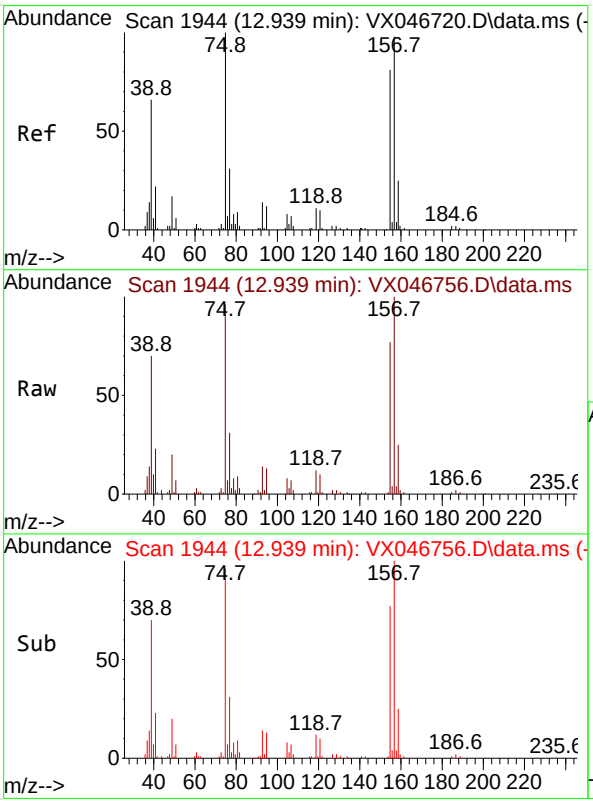
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.7 | 65.1 |
| 148 | 64.0 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

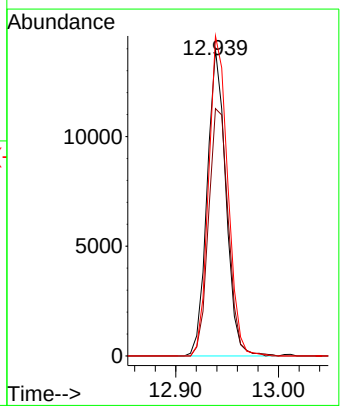
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

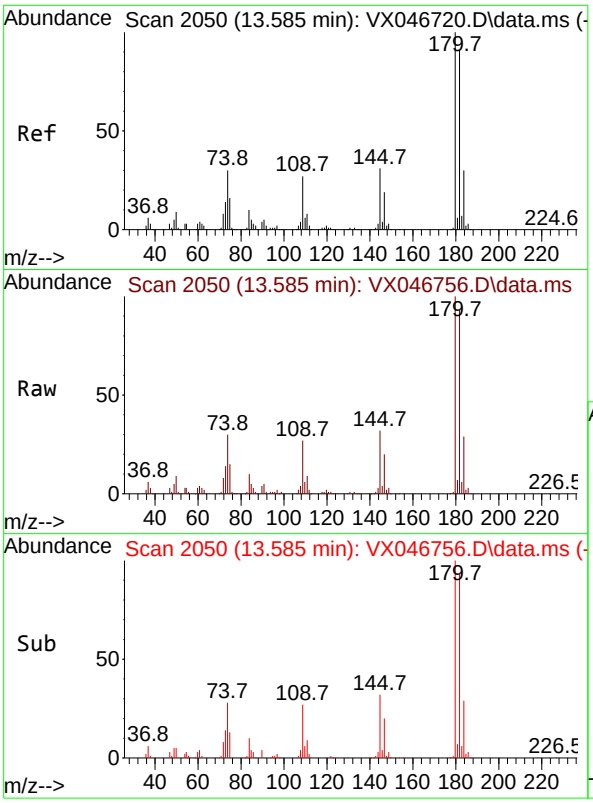



#92
1,2-Dibromo-3-Chloropropane
Concen: 39.972 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 17688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 41.9 | 125.7 |
| 157 | 106.6 | 51.4 | 154.3 |

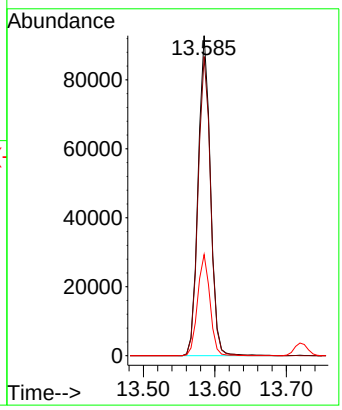





#93
1,2,4-Trichlorobenzene
Concen: 44.088 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

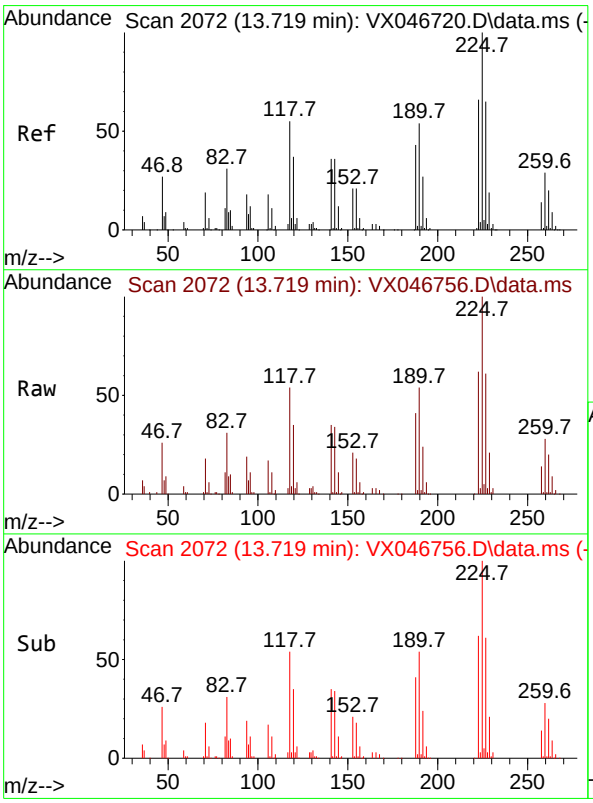
Tgt Ion:180 Resp: 11032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 46.7 | 140.1 |
| 145 | 31.6 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

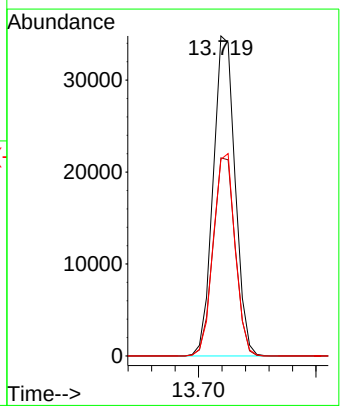
**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

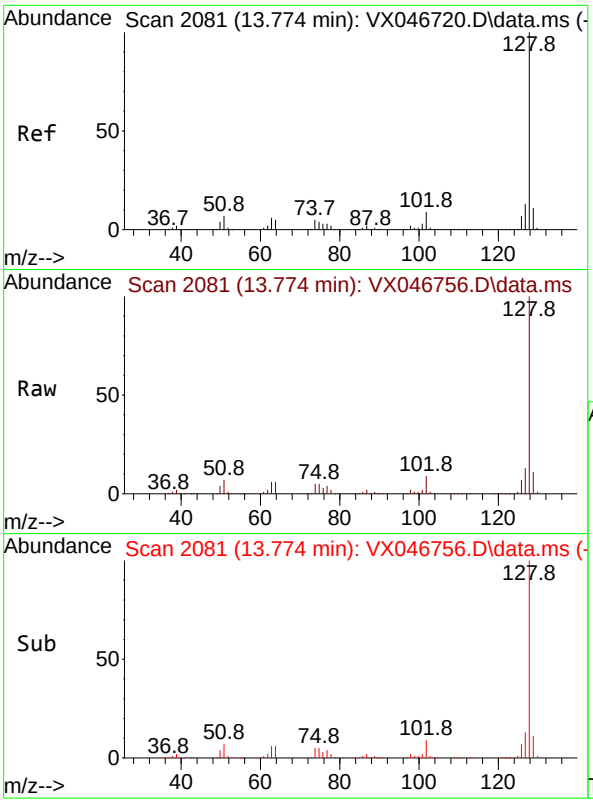



#94
Hexachlorobutadiene
Concen: 42.941 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:225 Resp: 45201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 32.5 | 97.5 |
| 227 | 62.7 | 32.2 | 96.6 |

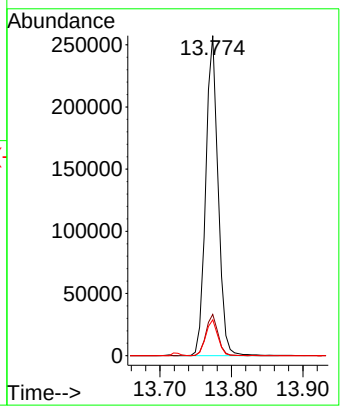





#95
Naphthalene
Concen: 43.429 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:128 Resp: 30961

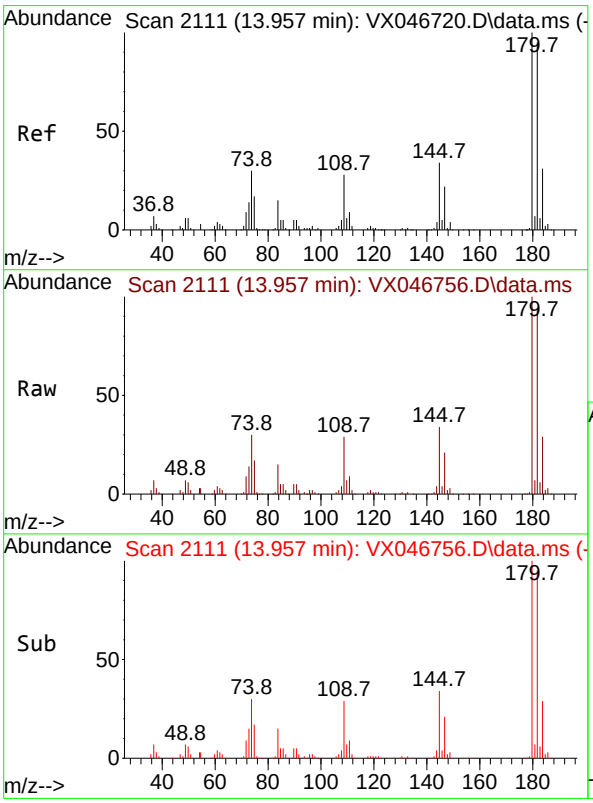
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.1 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

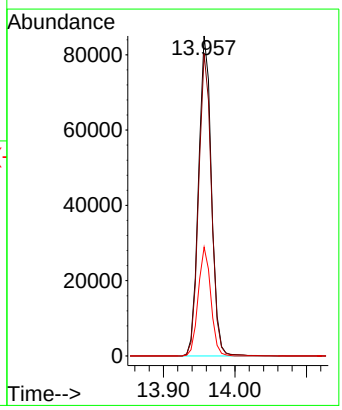
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 44.175 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:180 Resp: 105752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.8 | 143.4 |
| 145 | 33.3 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 119 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.495 | 7.3 | 101 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.545 | 5.4 | 110 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.577 | 6.0# | 108 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.354 | -2.3 | 114 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.348 | 6.5 | 110 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.862 | 7.6 | 106 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.303 | 5.3 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.515 | 10.0 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.638 | 0.6 | 116 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.042 | 32.3# | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.517 | 6.3# | 108 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.060 | 33.3# | 82 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 0.898 | 10.3 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.239 | 14.3 | 100 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.176 | 23.8 | 96 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.433 | 14.1 | 107 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.539 | 8.0 | 111 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.510 | 12.2 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.573 | 10.6 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.539 | 8.8 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.820 | 5.4 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.393 | 8.9 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.005 | 8.0 | 110 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.268 | 17.8 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.631 | 20.7 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.632 | 8.9 | 110 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.505 | -2.0 | 124 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.173 | 18.0 | 95 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.017 | 6.9# | 109 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 0.922 | 11.0 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.867 | 9.5 | 108 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.697 | -0.7 | 128 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.344 | -3.9 | 129 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.427 | 10.7 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.344 | 22.0 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.455 | 12.2 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.546 | 13.1 | 104 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.295 | 8.4 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.216 | 8.1 | 109 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.448 | 9.9 | 109 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.592 | 14.2 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.325 | 9.7 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.321 | 8.3# | 111 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.223 | 11.5 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.475 | 7.6 | 109 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.311 | 10.1 | 101 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 0.004 | 0.004 | 0.0 | 87 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.233 | -3.7 | 129 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.348 | 15.3 | 98 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.801 | 8.6# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.432 | 9.4 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.489 | 9.6 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.294 | 10.1 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.438 | 9.1 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.507 | 9.8 | 108 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.246 | 1.6 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.237 | 16.5 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.345 | 10.4 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.302 | 9.0 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.468 | -5.6 | 132 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.299 | 13.6 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 0.976 | 11.6 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.332 | 10.5 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.726 | 10.5# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.649 | 9.7 | 110 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.627 | 6.8 | 111 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.077 | 8.7 | 109 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.247 | 12.4 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.343 | 9.2 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.198 | 14.1 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 0.894 | 13.0 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.824 | 10.0 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.796 | 10.2 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 3.979 | 9.0 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.300 | 11.9 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 2.742 | 9.4 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.259 | 20.1 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 2.702 | 11.4 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 2.765 | 11.6 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 2.749 | 9.6 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 3.543 | 10.4 | 108 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 2.942 | 11.8 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.510 | 12.6 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.497 | 15.7 | 111 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 2.798 | 11.7 | 109 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.507 | 13.2 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.425 | 11.8 | 110 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.162 | 20.2 | 94 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.012 | 11.8 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.415 | 14.1 | 106 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 2.841 | 13.1 | 104 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 1.098 | 0.970 | 11.7 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 119 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.406 | 7.2 | 101 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.322 | 5.4 | 110 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 46.917 | 6.2# | 108 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.222 | -2.4 | 114 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.730 | 6.5 | 110 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 46.190 | 7.6 | 106 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 47.316 | 5.4 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.008 | 10.0 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.013 | 10.0 | 116 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 170.030 | 32.0# | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.826 | 6.3# | 108 | 0.00 |
| 13 | T | Acrolein | 250.000 | 166.547 | 33.4# | 82 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 44.851 | 10.3 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 214.185 | 14.3 | 100 | 0.00 |
| 16 | T | Acetone | 250.000 | 191.058 | 23.6 | 96 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.969 | 14.1 | 107 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.999 | 8.0 | 111 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 43.909 | 12.2 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 44.683 | 10.6 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.569 | 8.9 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.321 | 5.4 | 110 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 227.659 | 8.9 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.026 | 7.9 | 110 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 205.290 | 17.9 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 39.588 | 20.8 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 45.529 | 8.9 | 110 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.048 | -2.1 | 124 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 205.472 | 17.8 | 95 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.550 | 6.9# | 109 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 44.511 | 11.0 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 45.264 | 9.5 | 108 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.393 | -0.8 | 128 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 120 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.036 | -4.1 | 129 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 44.657 | 10.7 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 39.004 | 22.0 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 43.921 | 12.2 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.470 | 13.1 | 104 | 0.00 |
| 40 | TM | Benzene | 50.000 | 45.803 | 8.4 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.912 | 8.2 | 109 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.085 | 9.8 | 109 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.913 | 14.2 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 45.127 | 9.7 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 45.784 | 8.4# | 111 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 44.330 | 11.3 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 46.281 | 7.4 | 109 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.018 | 10.0 | 101 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 709.769 | 29.0# | 87 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.878 | -3.8 | 129 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 211.334 | 15.5 | 98 | 0.00 |
| 52 | CM | Toluene | 50.000 | 45.706 | 8.6# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 45.294 | 9.4 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 45.205 | 9.6 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 44.953 | 10.1 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 45.449 | 9.1 | 104 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 45.123 | 9.8 | 108 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 245.221 | 1.9 | 105 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 208.701 | 16.5 | 96 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 44.810 | 10.4 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 45.493 | 9.0 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.773 | -5.5 | 132 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 43.220 | 13.6 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 44.211 | 11.6 | 109 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 44.807 | 10.4 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 44.751 | 10.5# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 90.331 | 9.7 | 110 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 46.579 | 6.8 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 45.677 | 8.6 | 109 | 0.00 |
| 71 | P | Bromoform | 50.000 | 43.738 | 12.5 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 122 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 45.390 | 9.2 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 42.930 | 14.1 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 43.460 | 13.1 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.975 | 10.0 | 102 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 44.901 | 10.2 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 45.483 | 9.0 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.031 | 11.9 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 45.302 | 9.4 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 39.929 | 20.1 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 44.330 | 11.3 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 44.204 | 11.6 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 45.207 | 9.6 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 44.812 | 10.4 | 108 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 44.100 | 11.8 | 108 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 43.697 | 12.6 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 42.172 | 15.7 | 111 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 44.167 | 11.7 | 109 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 43.401 | 13.2 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 44.112 | 11.8 | 110 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 39.972 | 20.1 | 94 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 44.088 | 11.8 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 42.941 | 14.1 | 106 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 43.429 | 13.1 | 104 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 44.175 | 11.7 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.534 | 0.565 | | 5.8 | 20 |
| Chloromethane | 0.576 | 0.595 | 0.1 | 3.3 | 20 |
| Vinyl Chloride | 0.614 | 0.641 | | 4.4 | 20 |
| Bromomethane | 0.346 | 0.384 | | 10.98 | 20 |
| Chloroethane | 0.372 | 0.387 | | 4.03 | 20 |
| Trichlorofluoromethane | 0.933 | 0.957 | | 2.57 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.572 | 0.592 | | 3.5 | 20 |
| 1,1-Dichloroethene | 0.552 | 0.572 | | 3.62 | 20 |
| Acetone | 0.231 | 0.185 | | -19.91 | 20 |
| Carbon Disulfide | 1.668 | 1.595 | | -4.38 | 20 |
| Methyl tert-butyl Ether | 1.720 | 1.569 | | -8.78 | 20 |
| Methyl Acetate | 0.586 | 0.480 | | -18.09 | 20 |
| Methylene Chloride | 0.641 | 0.618 | | -3.59 | 20 |
| trans-1,2-Dichloroethene | 0.591 | 0.587 | | -0.68 | 20 |
| 1,1-Dichloroethane | 1.092 | 1.081 | 0.1 | -1.01 | 20 |
| Cyclohexane | 1.036 | 1.018 | | -1.74 | 20 |
| 2-Butanone | 0.326 | 0.263 | | -19.33 | 20 |
| Carbon Tetrachloride | 0.518 | 0.515 | | -0.58 | 20 |
| cis-1,2-Dichloroethene | 0.694 | 0.686 | | -1.15 | 20 |
| Bromochloromethane | 0.495 | 0.476 | | -3.84 | 20 |
| Chloroform | 1.092 | 1.093 | | 0.09 | 20 |
| 1,1,1-Trichloroethane | 0.958 | 0.939 | | -1.98 | 20 |
| Methylcyclohexane | 0.628 | 0.627 | | -0.32 | 20 |
| Benzene | 1.413 | 1.415 | | 0.14 | 20 |
| 1,2-Dichloroethane | 0.497 | 0.481 | | -3.22 | 20 |
| Trichloroethene | 0.360 | 0.357 | | -0.83 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.353 | | 0.86 | 20 |
| Bromodichloromethane | 0.514 | 0.521 | | 1.36 | 20 |
| 4-Methyl-2-Pentanone | 0.411 | 0.339 | | -17.52 | 20 |
| Toluene | 0.876 | 0.877 | | 0.11 | 20 |
| t-1,3-Dichloropropene | 0.477 | 0.481 | | 0.84 | 20 |
| cis-1,3-Dichloropropene | 0.541 | 0.545 | | 0.74 | 20 |
| 1,1,2-Trichloroethane | 0.327 | 0.311 | | -4.89 | 20 |
| 2-Hexanone | 0.284 | 0.229 | | -19.37 | 20 |
| Dibromochloromethane | 0.385 | 0.377 | | -2.08 | 20 |
| 1,2-Dibromoethane | 0.332 | 0.317 | | -4.52 | 20 |
| Tetrachloroethene | 0.346 | 0.344 | | -0.58 | 20 |
| Chlorobenzene | 1.104 | 1.089 | 0.3 | -1.36 | 20 |

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 09:43

Lab File ID: VX046758.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.929 | 1.918 | | -0.57 | 20 |
| m/p-Xylenes | 0.719 | 0.724 | | 0.69 | 20 |
| o-Xylene | 0.673 | 0.687 | | 2.08 | 20 |
| Styrene | 1.179 | 1.192 | | 1.1 | 20 |
| Bromoform | 0.282 | 0.263 | 0.1 | -6.74 | 20 |
| Isopropylbenzene | 3.682 | 3.747 | | 1.76 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.028 | 0.933 | 0.3 | -9.24 | 20 |
| 1,3-Dichlorobenzene | 1.728 | 1.670 | | -3.36 | 20 |
| 1,4-Dichlorobenzene | 1.775 | 1.693 | | -4.62 | 20 |
| 1,2-Dichlorobenzene | 1.615 | 1.598 | | -1.05 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.203 | 0.164 | | -19.21 | 20 |
| 1,2,4-Trichlorobenzene | 1.148 | 1.111 | | -3.22 | 20 |
| 1,2,3-Trichlorobenzene | 1.098 | 1.064 | | -3.1 | 20 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.639 | | -7.66 | 20 |
| Dibromofluoromethane | 0.331 | 0.327 | | -1.21 | 20 |
| Toluene-d8 | 1.189 | 1.166 | | -1.93 | 20 |
| 4-Bromofluorobenzene | 0.443 | 0.433 | | -2.26 | 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\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 137182 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 224265 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197740 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96867 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 87638 | 46.187 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.380% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 73413 | 49.476 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.960% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 261576 | 49.067 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 97021 | 48.823 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.640% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 77571 | 52.964 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 81669 | 51.662 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 87898 | 52.141 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 52745 | 55.612 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 53086 | 51.957 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 131261 | 51.280 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 44511 | 50.670 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 81171 | 51.691 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 94903 | 48.429 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 26783 | 157.262 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 78427 | 51.759 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 50116 | 202.026 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 136507 | 49.722 | ug/l | 99 |
| 15) Acrylonitrile | 3.068 | 53 | 162714 | 212.474 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 127043 | 200.776 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 218810 | 47.820 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 65851 | 40.975 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 215275 | 45.628 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 84742 | 48.158 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 80577 | 49.698 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 269978 | 51.162 | ug/l | 97 |
| 23) Vinyl Acetate | 3.727 | 43 | 1003345 | 239.105 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 148260 | 49.484 | ug/l | 100 |
| 25) 2-Butanone | 4.556 | 43 | 180589m | 201.795 | ug/l | |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 112913 | 51.672 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 94126 | 49.415 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 65263 | 48.047 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 116160 | 200.958 | ug/l | 99 |
| 30) Chloroform | 5.099 | 83 | 149922 | 50.036 | ug/l | 95 |
| 31) Cyclohexane | 5.477 | 56 | 139626 | 49.142 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 128769 | 49.003 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 106011 | 49.493 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 79324 | 40.121 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 115565 | 49.715 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 140502 | 49.848 | ug/l | 96 |
| 40) Benzene | 6.044 | 78 | 317423 | 50.074 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 47871 | 45.417 ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 107931 | 48.452 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 132833 | 42.935 ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 80127 | 49.599 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 79156 | 50.385 ug/l | | 95 |
| 46) Dibromomethane | 7.580 | 93 | 53399 | 47.295 ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116822 | 50.703 ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 70314 | 45.316 ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 15950 | 714.909 ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 379704 | 205.777 ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 196587 | 50.025 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107788 | 50.420 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 122151 | 50.333 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 69729 | 47.614 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 99225 | 45.899 ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 122083 | 48.408 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279394 | 248.797 ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 257015 | 201.475 ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 84603 | 49.021 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 70987 | 47.653 ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 67934 | 49.587 ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 215423 | 49.352 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 73797 | 50.304 ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 379202 | 49.719 ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 286180 | 100.703 ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 135837 | 51.004 ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 235709 | 50.573 ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 51917 | 46.470 ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 362998 | 50.881 ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 120822 | 44.699 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 90340 | 45.350 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 74859m | 42.194 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 86326 | 50.284 ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 434668 | 51.296 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 250583 | 49.529 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.445 | 105 | 294565 | 50.244 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27012 | 43.036 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 294491 | 49.875 ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 302344 | 49.891 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298590 | 50.692 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 389381 | 50.841 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 324490 | 50.214 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 161807 | 48.338 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 164023 | 47.705 ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 310154 | 50.550 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55264 | 48.837 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 154832 | 49.496 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 15868 | 40.348 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 107660 | 48.410 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 46034 | 49.207 ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 286491 | 45.216 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 103088 | 48.453 ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

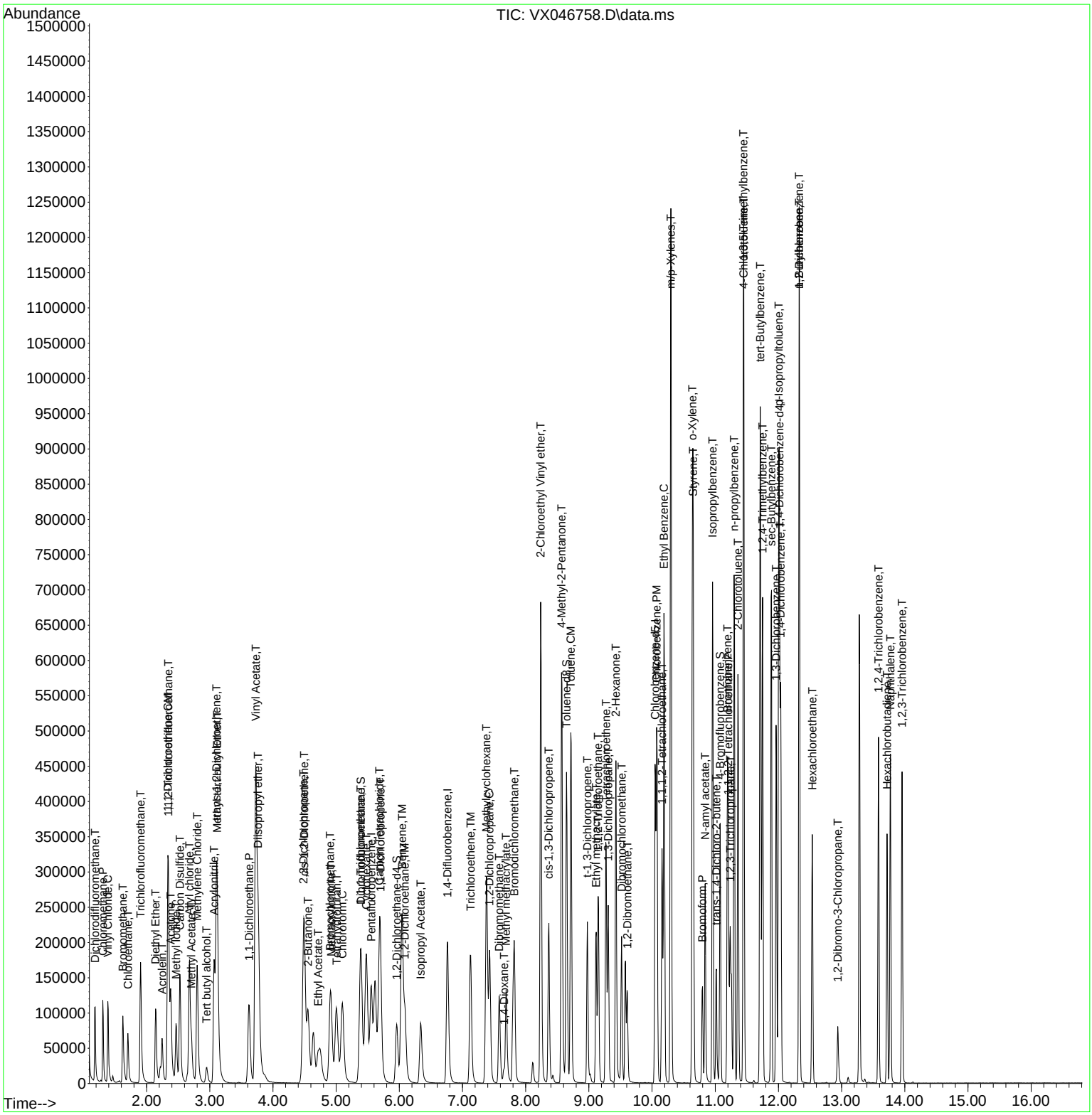
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

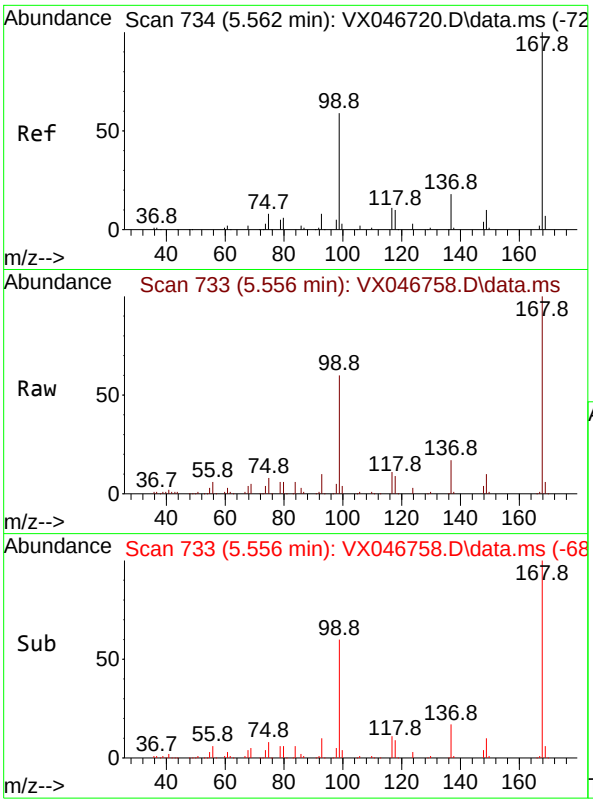
Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

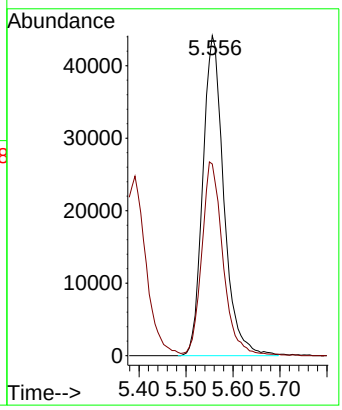





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:168 Resp: 13718

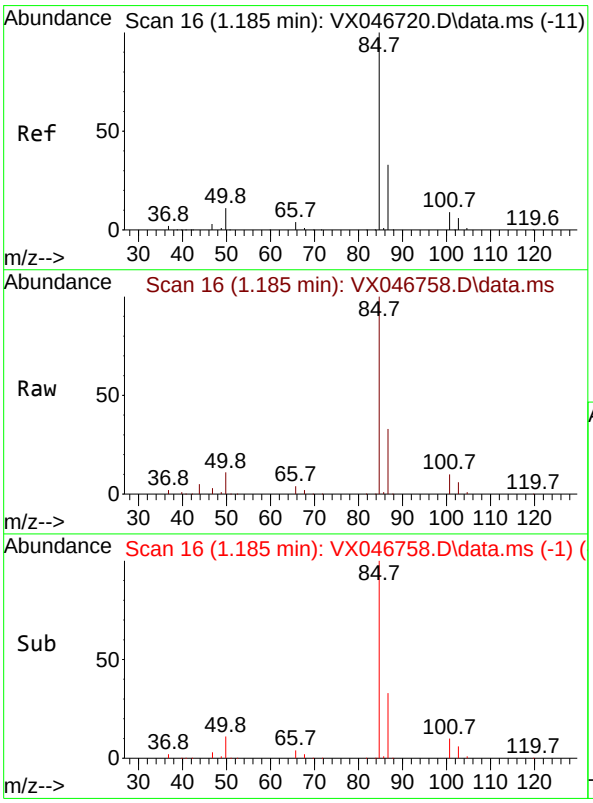
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

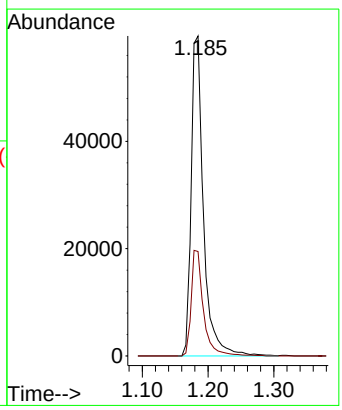
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

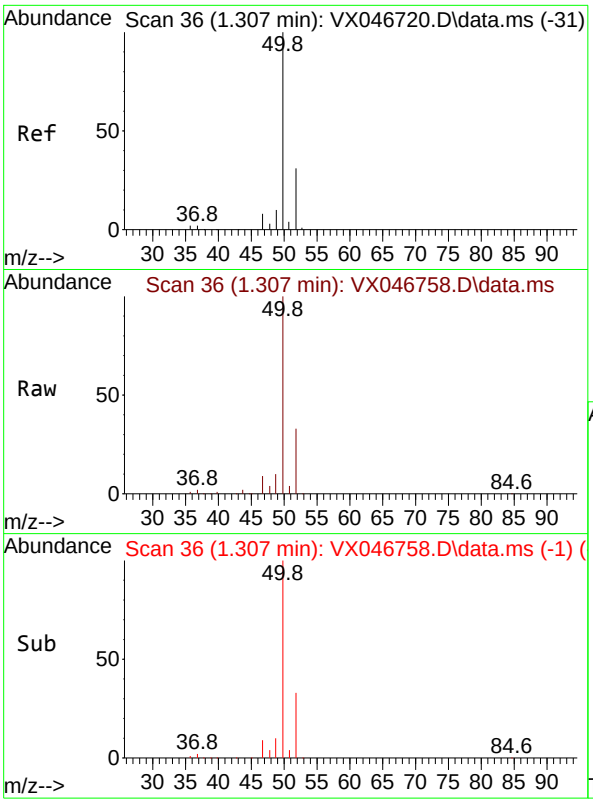



#2
Dichlorodifluoromethane
Concen: 52.964 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 85 Resp: 77571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |

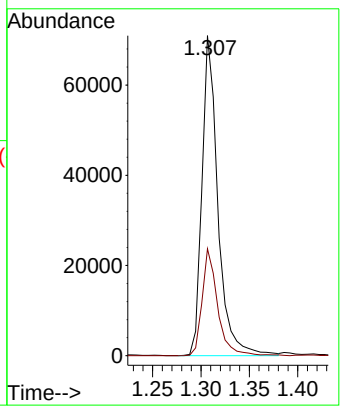





#3
Chloromethane
Concen: 51.662 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 50 Resp: 8166

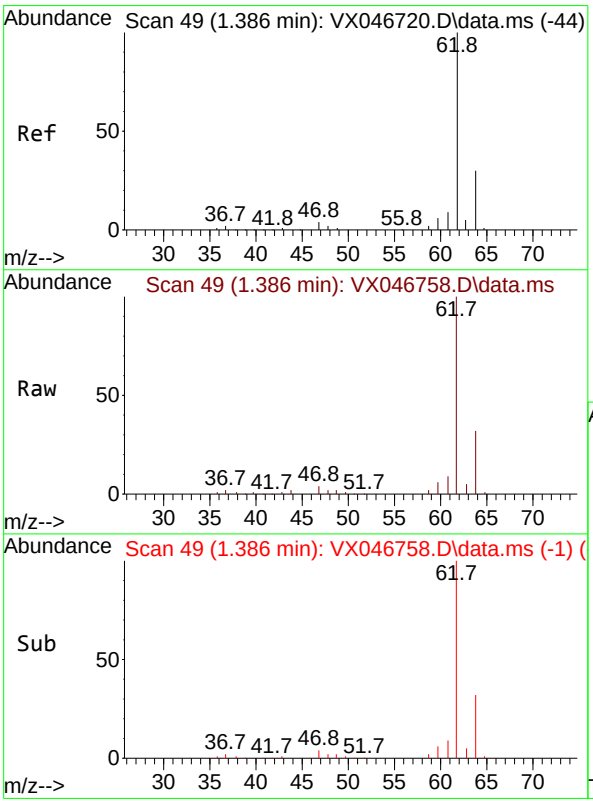
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.4 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

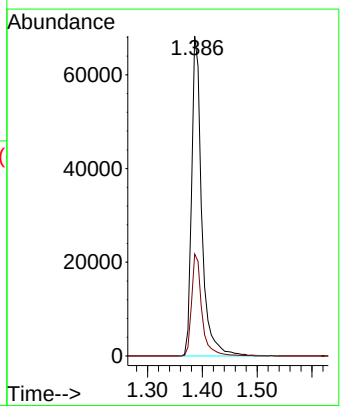
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

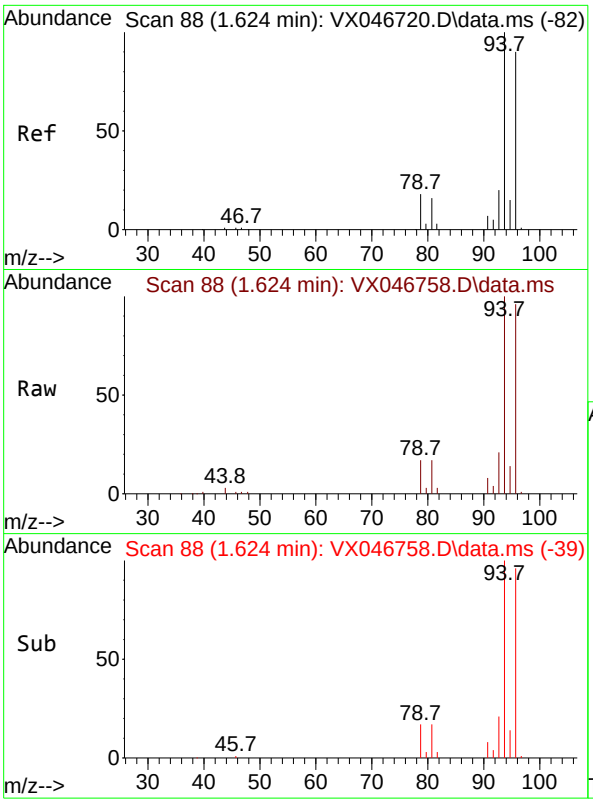



#4
Vinyl Chloride
Concen: 52.141 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 62 Resp: 87898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.8 | 23.9 | 35.9 |

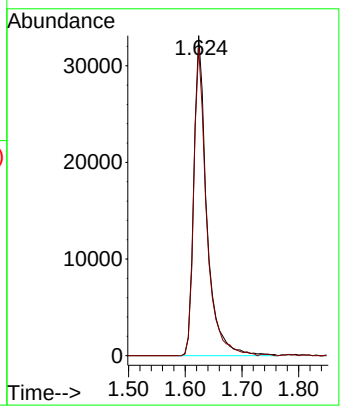





#5
Bromomethane
Concen: 55.612 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 94 Resp: 5274

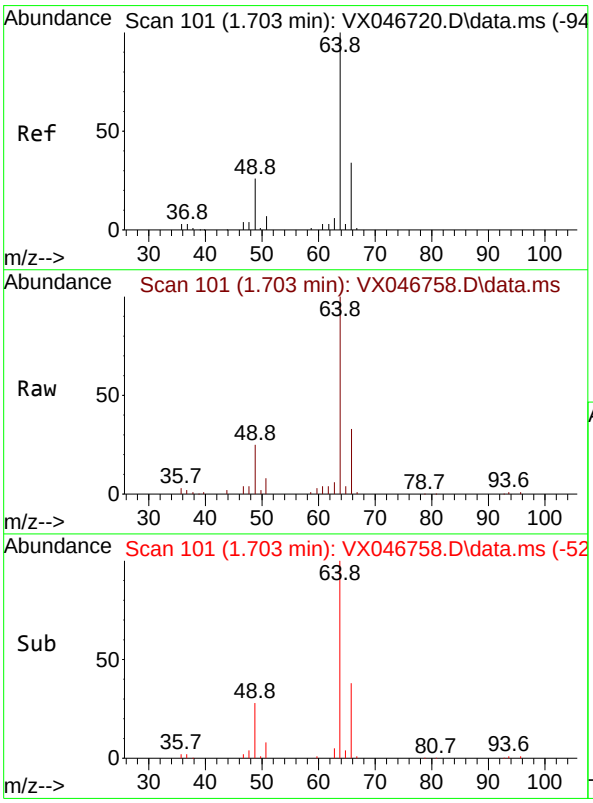
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

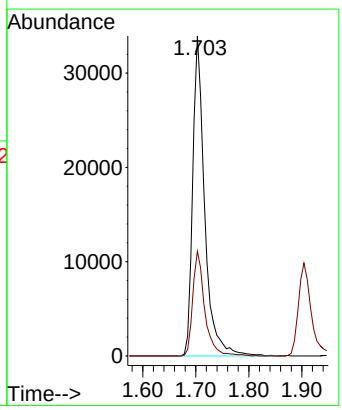
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

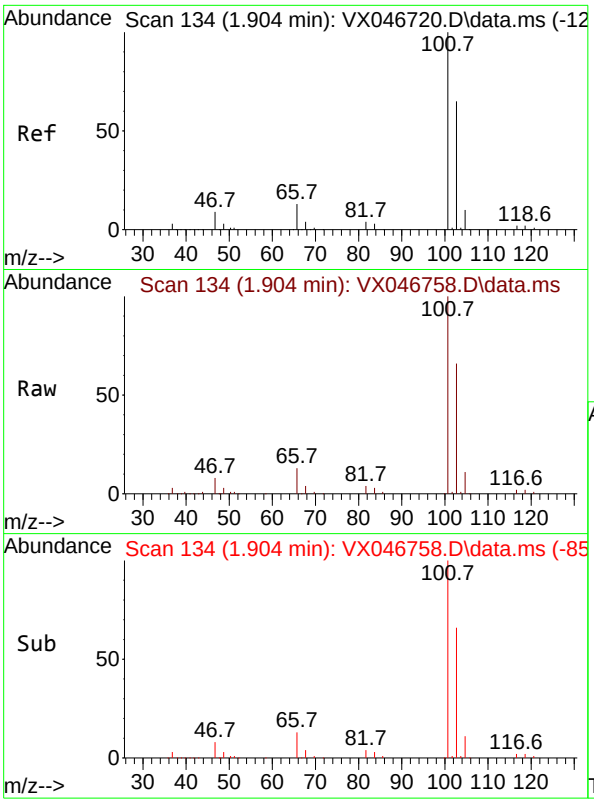



#6
Chloroethane
Concen: 51.957 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 64 Resp: 53086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 27.1 | 40.7 |

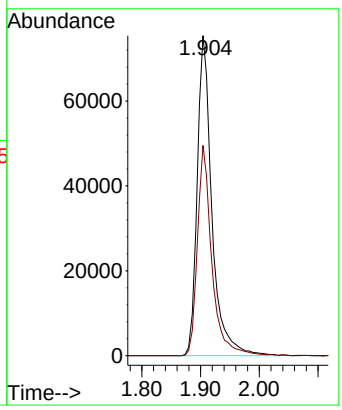





#7
Trichlorofluoromethane
Concen: 51.280 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:101 Resp: 13126

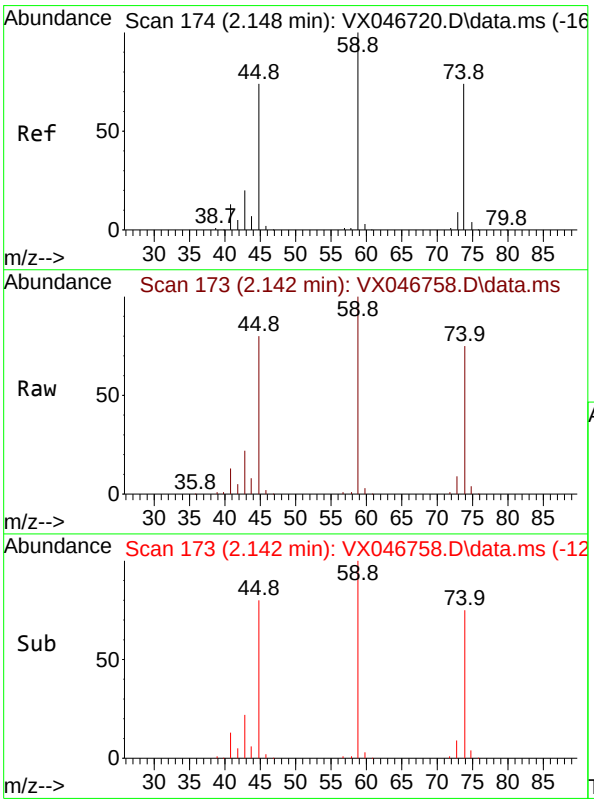
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

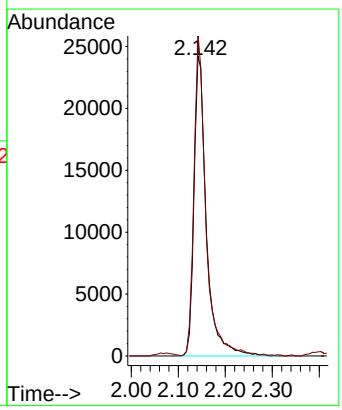
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

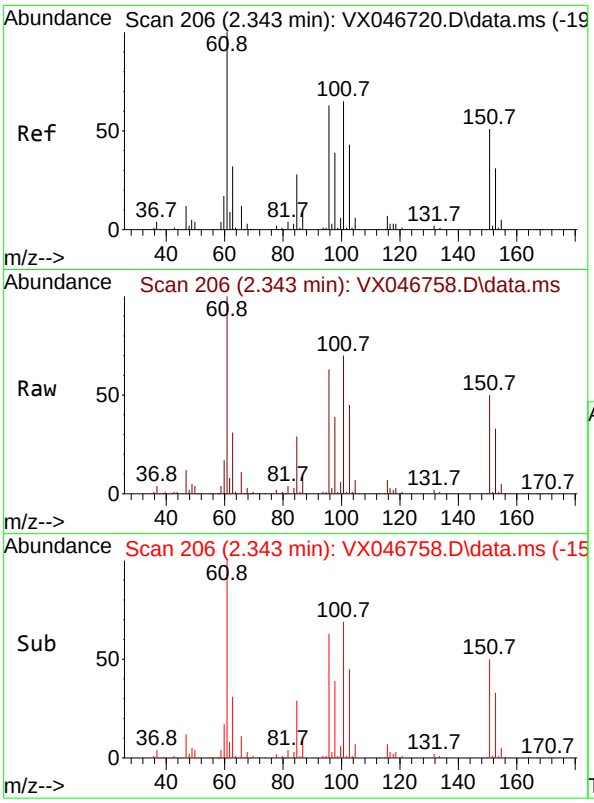



#8
Diethyl Ether
Concen: 50.670 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 74 Resp: 44511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.6 | 52.3 | 157.1 |

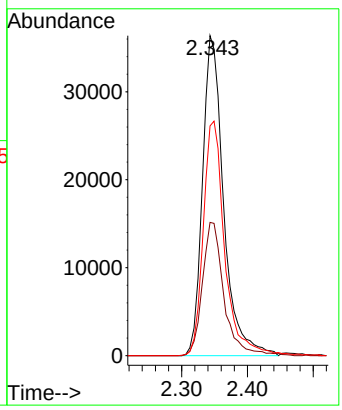





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.691 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:101 Resp: 8117

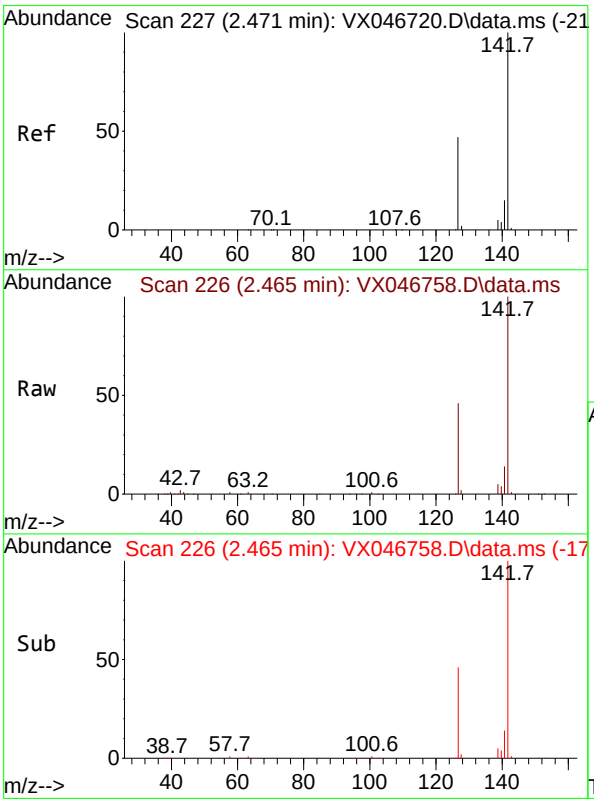
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.5 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

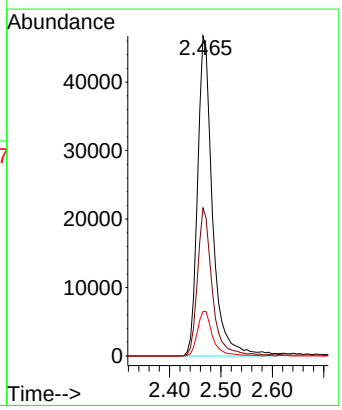
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

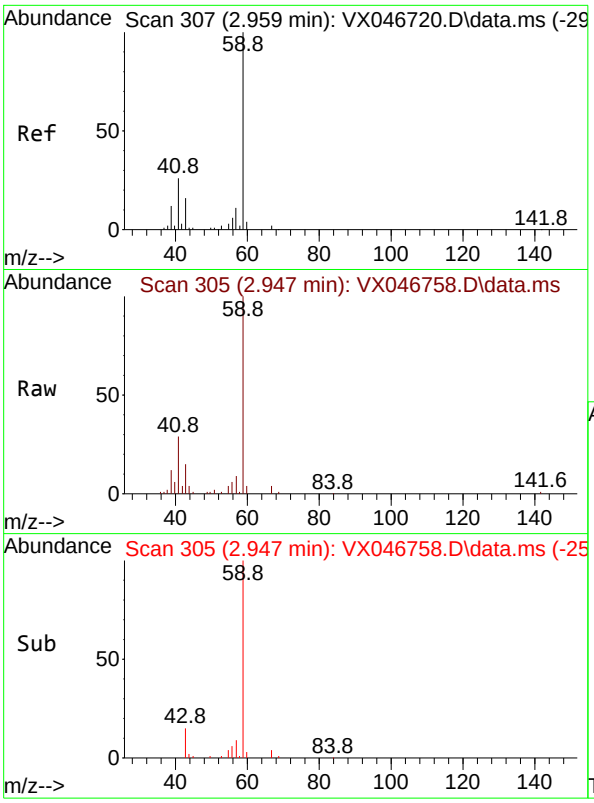



#10
Methyl Iodide
Concen: 48.429 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:142 Resp: 94903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.2 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |

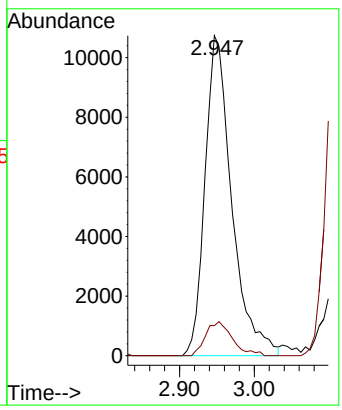





#11
Tert butyl alcohol
Concen: 157.262 ug/l
RT: 2.947 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 59 Resp: 2678

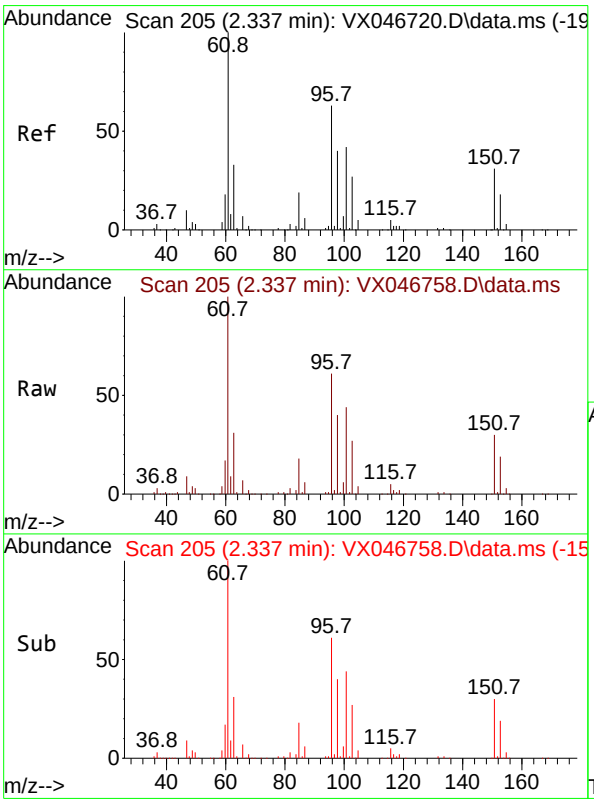
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

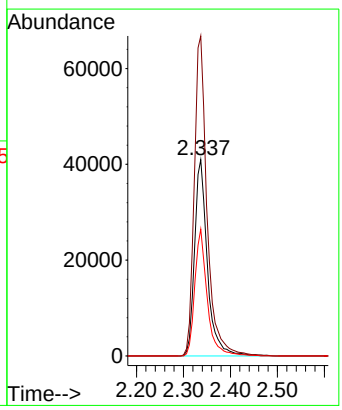
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

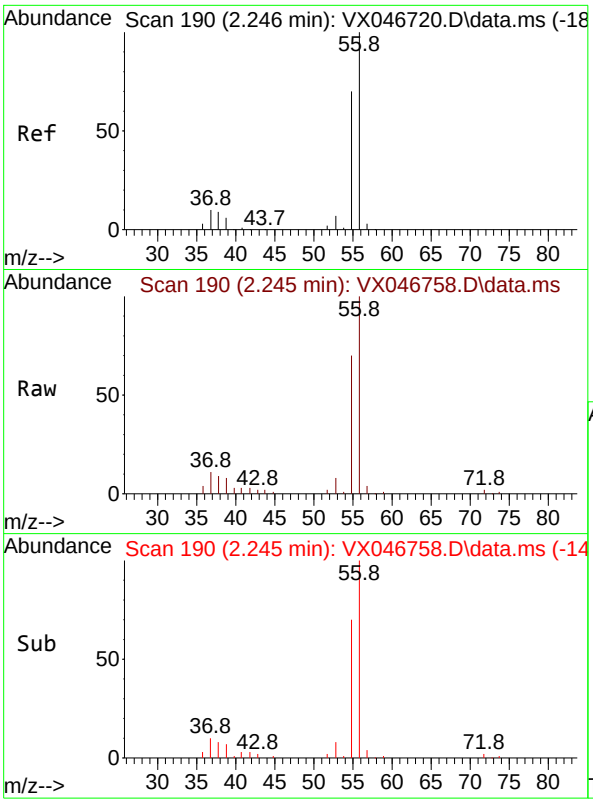



#12
1,1-Dichloroethene
Concen: 51.759 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 96 Resp: 78427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 126.6 | 189.8 |
| 98 | 64.7 | 50.7 | 76.1 |






#13
Acrolein
Concen: 202.026 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

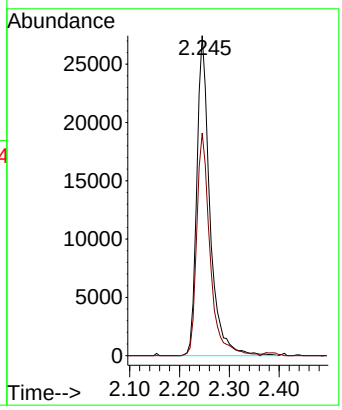
Tgt Ion: 56 Resp: 5011

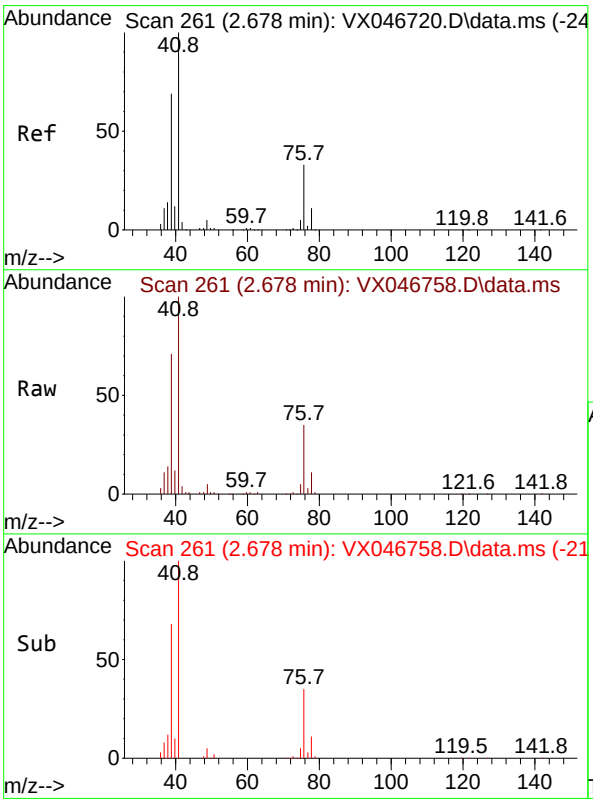
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.0 | 55.2 | 82.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

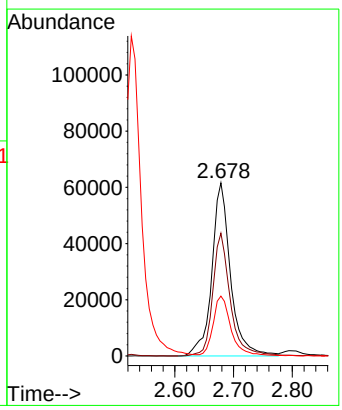


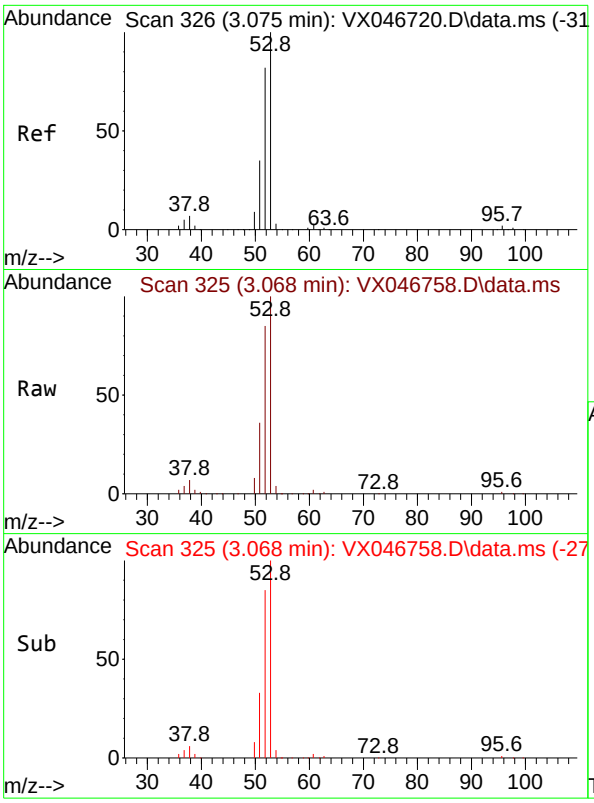




#14
Allyl chloride
Concen: 49.722 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 41 Resp: 136507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.2 | 53.6 | 80.4 |
| 76 | 33.3 | 26.8 | 40.2 |

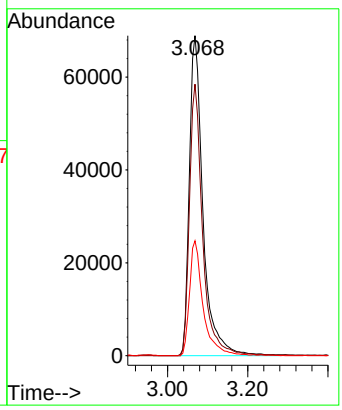





#15
Acrylonitrile
Concen: 212.474 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 53 Resp: 16271

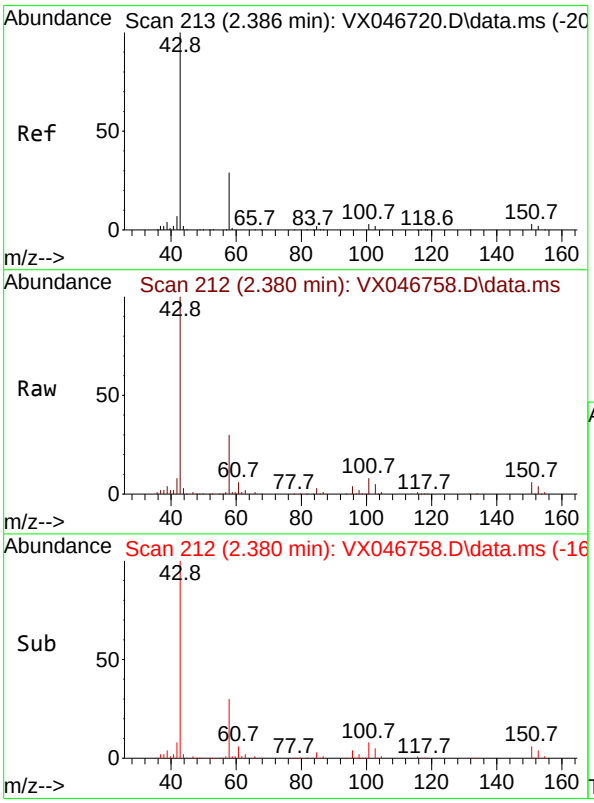
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 65.1 | 97.7 |
| 51 | 35.9 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

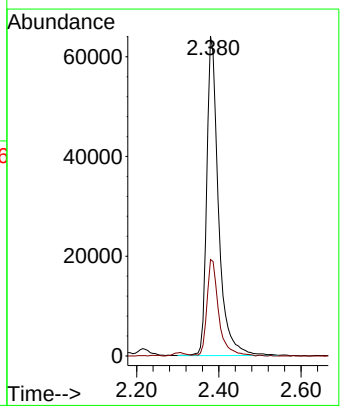
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

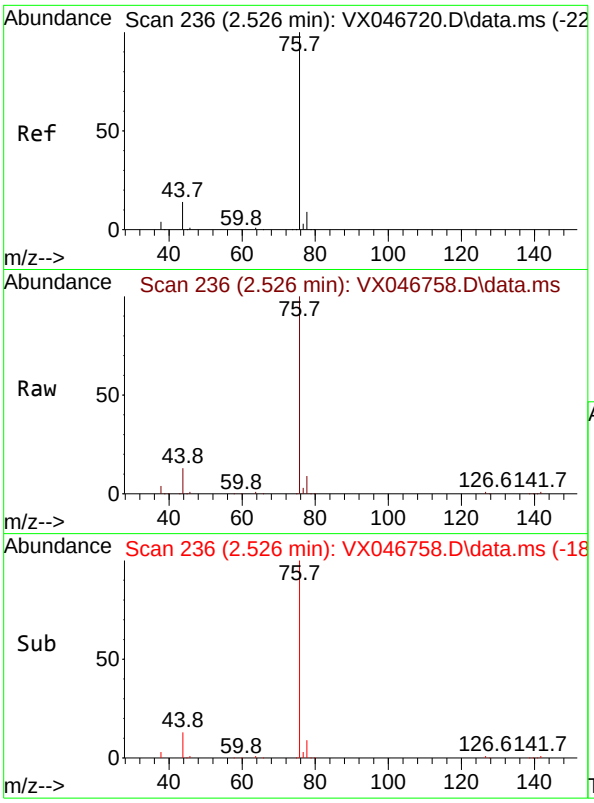



#16
Acetone
Concen: 200.776 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 127043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 47.820 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

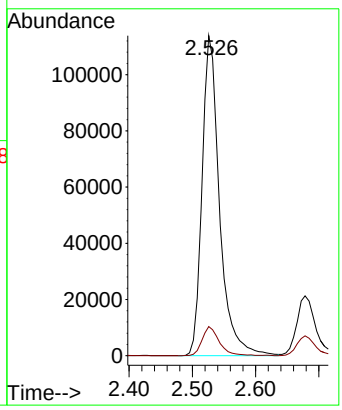
Tgt Ion: 76 Resp: 21881

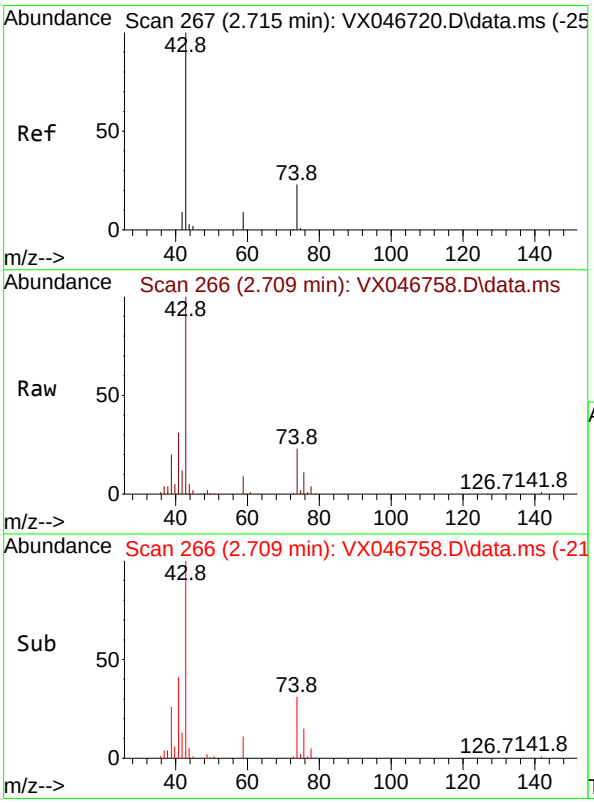
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

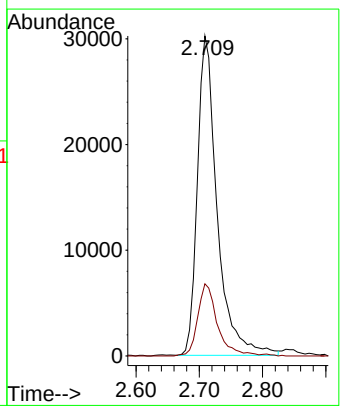


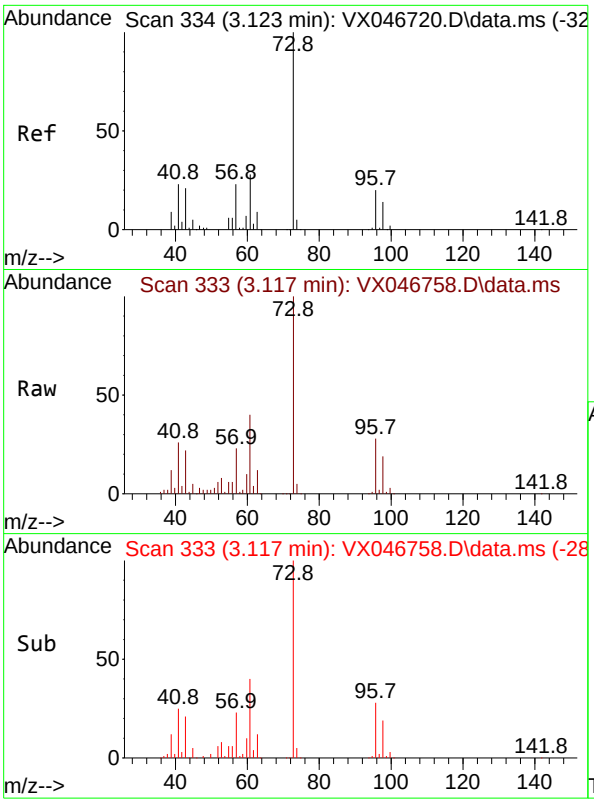




#18
Methyl Acetate
Concen: 40.975 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 65851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.4 | 18.4 | 27.6 |

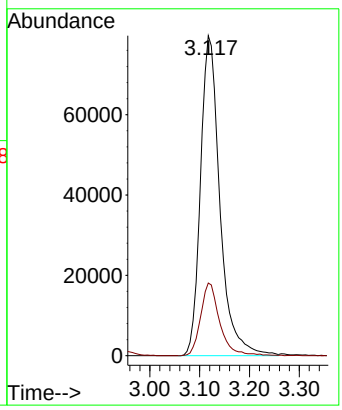





#19
Methyl tert-butyl Ether
Concen: 45.628 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 73 Resp: 21527

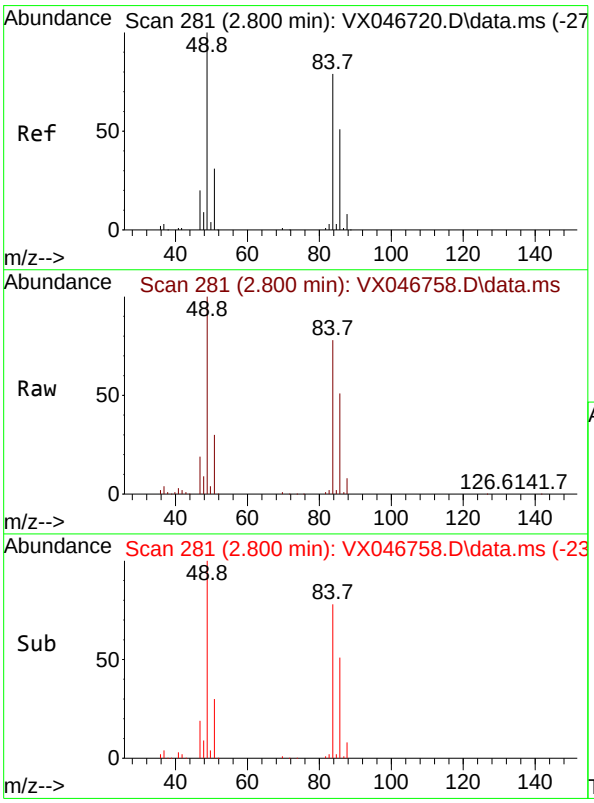
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

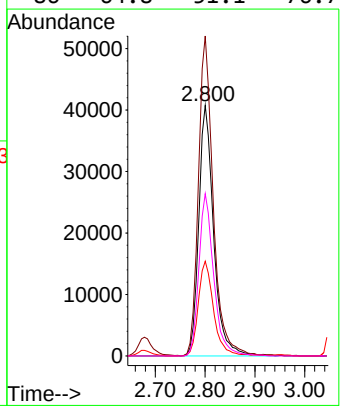
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

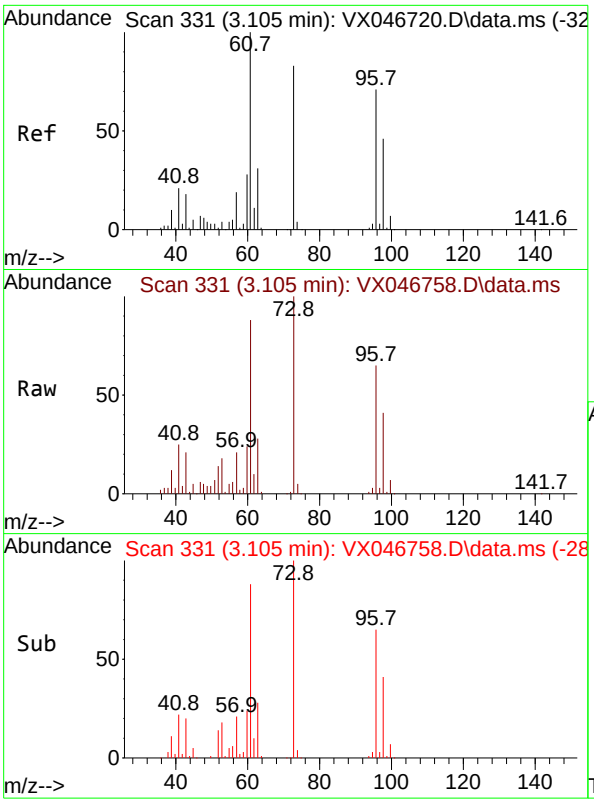



#20
Methylene Chloride
Concen: 48.158 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 84 Resp: 84742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.5 | 101.3 | 151.9 |
| 51 | 37.8 | 31.0 | 46.6 |
| 86 | 64.8 | 51.1 | 76.7 |

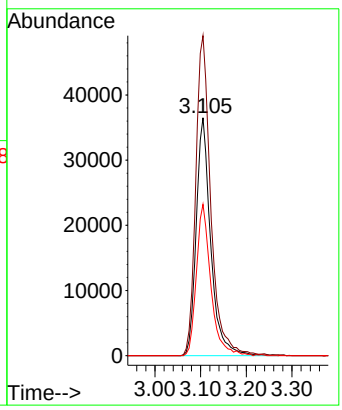





#21
trans-1,2-Dichloroethene
Concen: 49.698 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 96 Resp: 8057

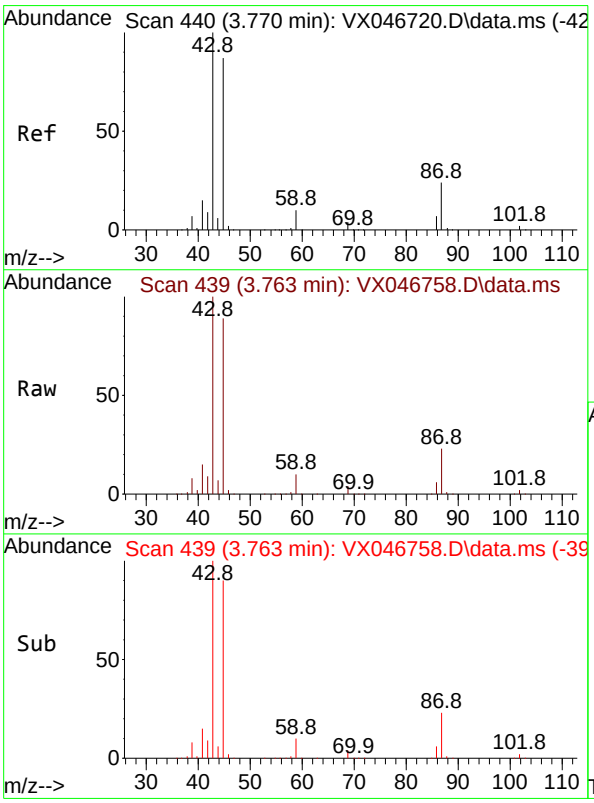
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 112.5 | 168.7 |
| 98 | 63.6 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

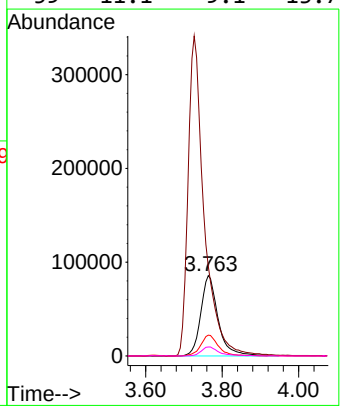
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

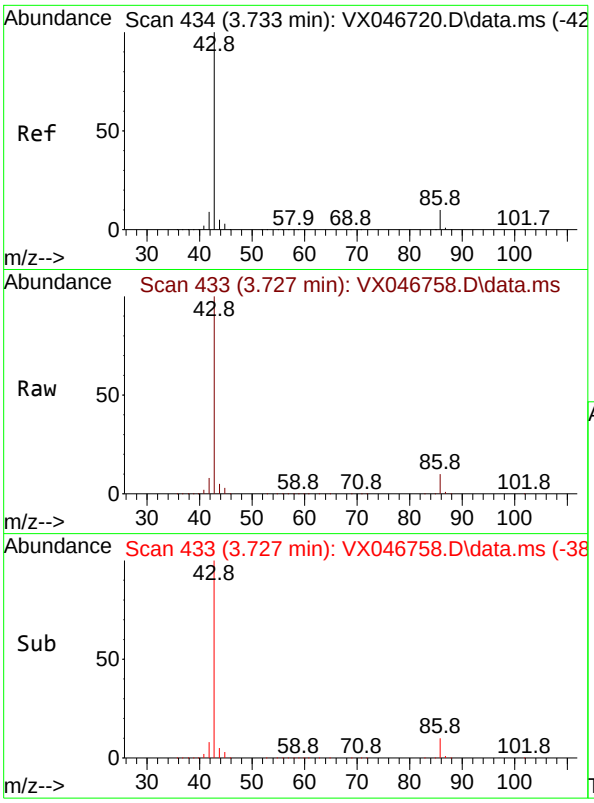



#22
Diisopropyl ether
Concen: 51.162 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 45 Resp: 269978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 110.7 | 91.9 | 137.9 |
| 87 | 25.9 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 239.105 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

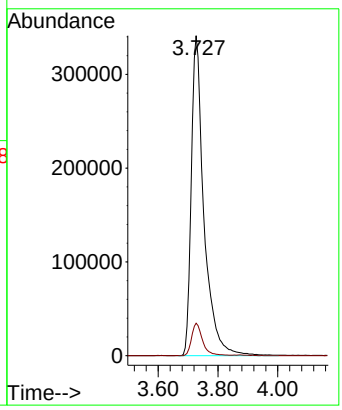
Tgt Ion: 43 Resp: 100334

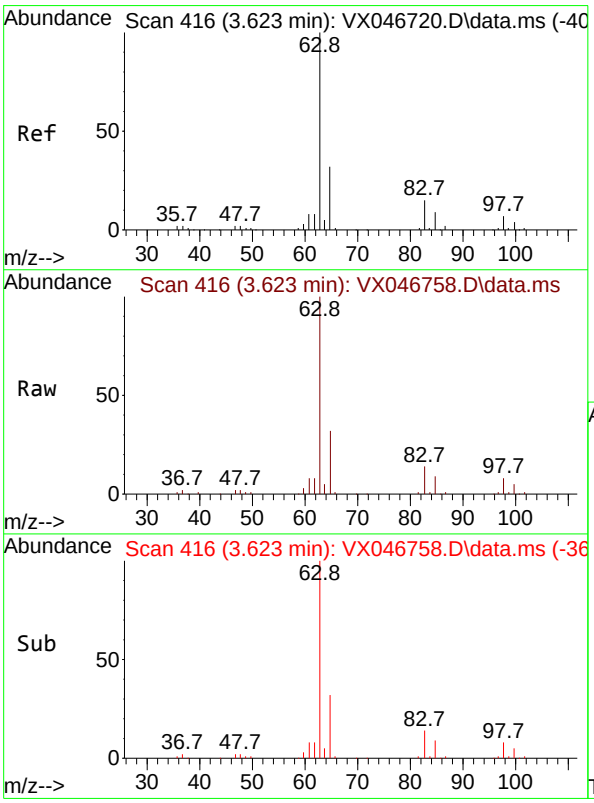
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

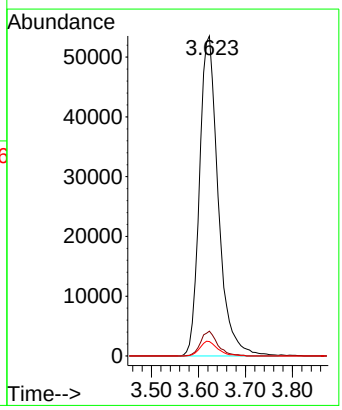


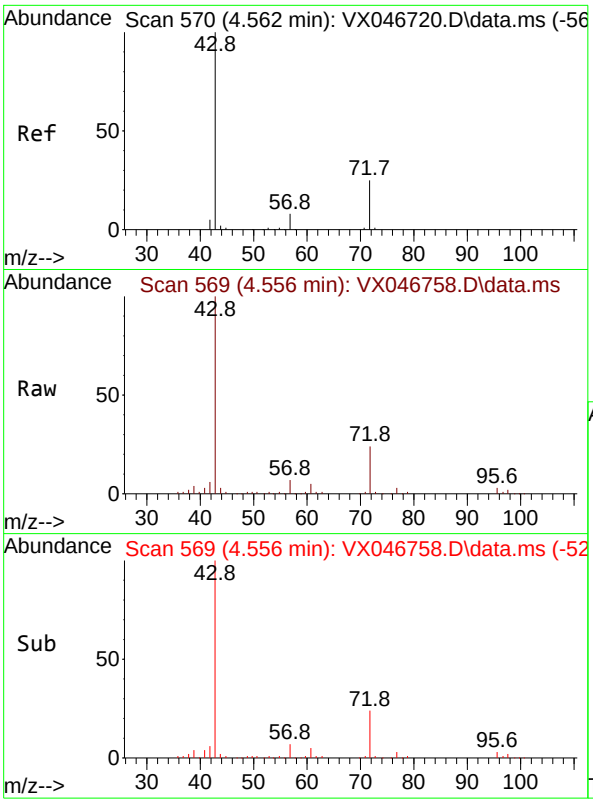




#24
1,1-Dichloroethane
Concen: 49.484 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 63 Resp: 148260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 201.795 ug/l m
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

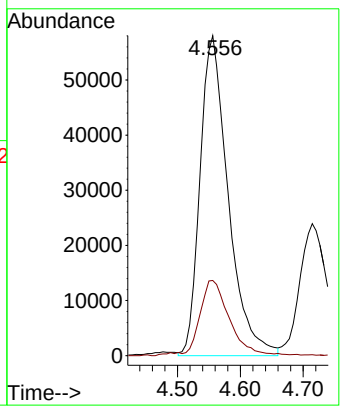
Tgt Ion: 43 Resp: 18058

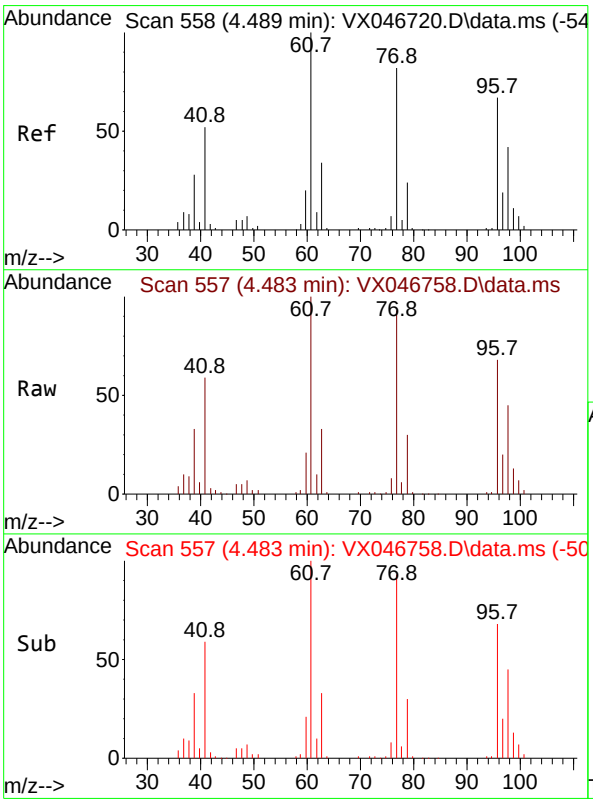
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

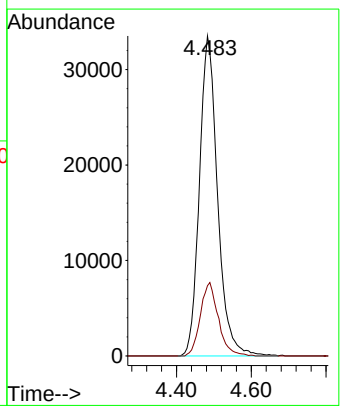


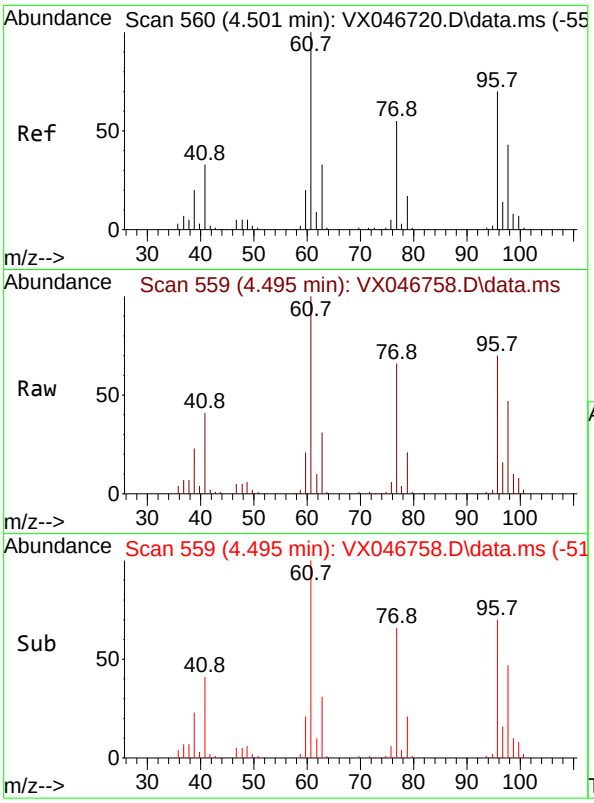




#26
2,2-Dichloropropane
Concen: 51.672 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 77 Resp: 112913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |

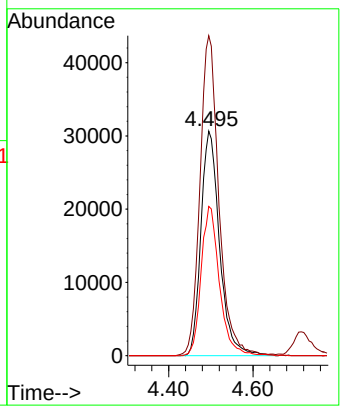





#27
cis-1,2-Dichloroethene
Concen: 49.415 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 96 Resp: 9412

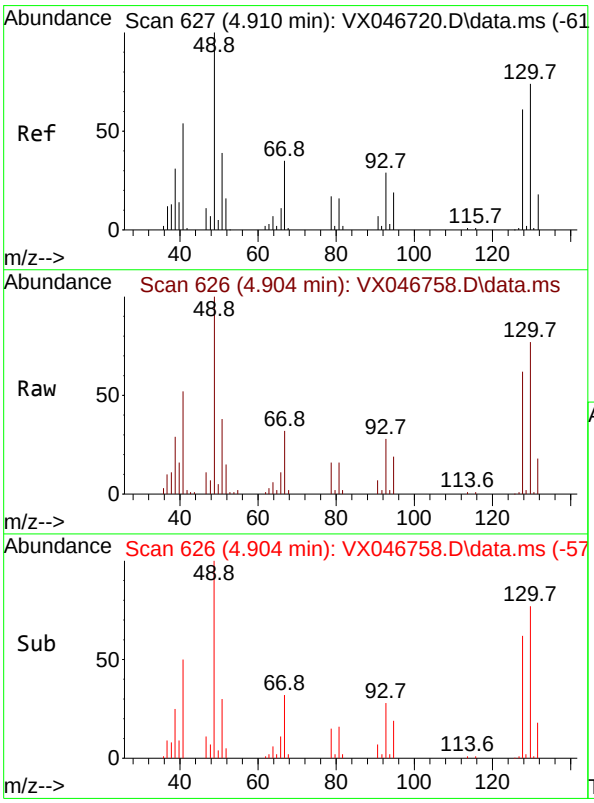
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 0.0 | 291.0 |
| 98 | 65.4 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

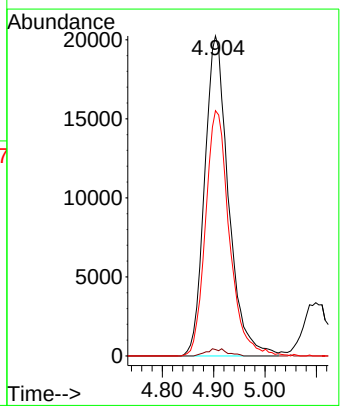
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

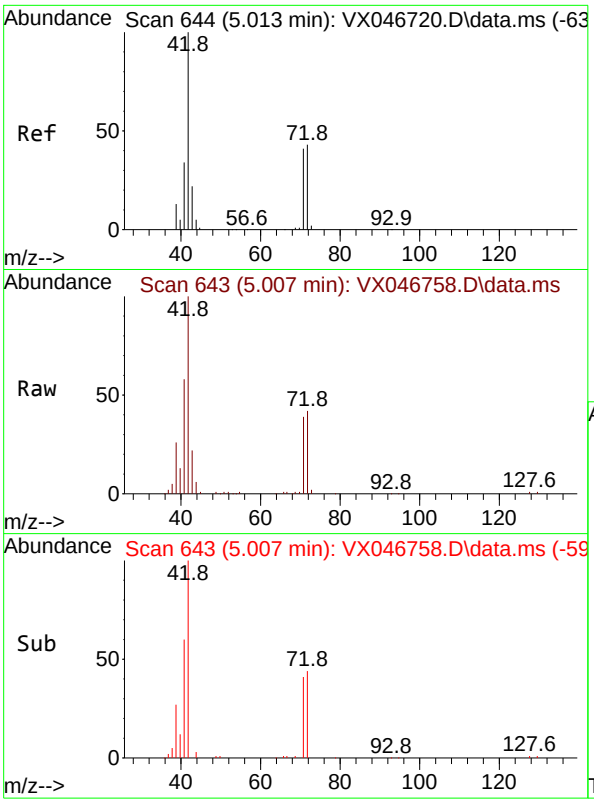



#28
Bromochloromethane
Concen: 48.047 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 49 Resp: 65263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |






#29
Tetrahydrofuran
Concen: 200.958 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

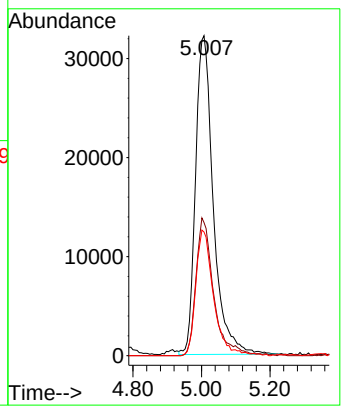
Tgt Ion: 42 Resp: 11616

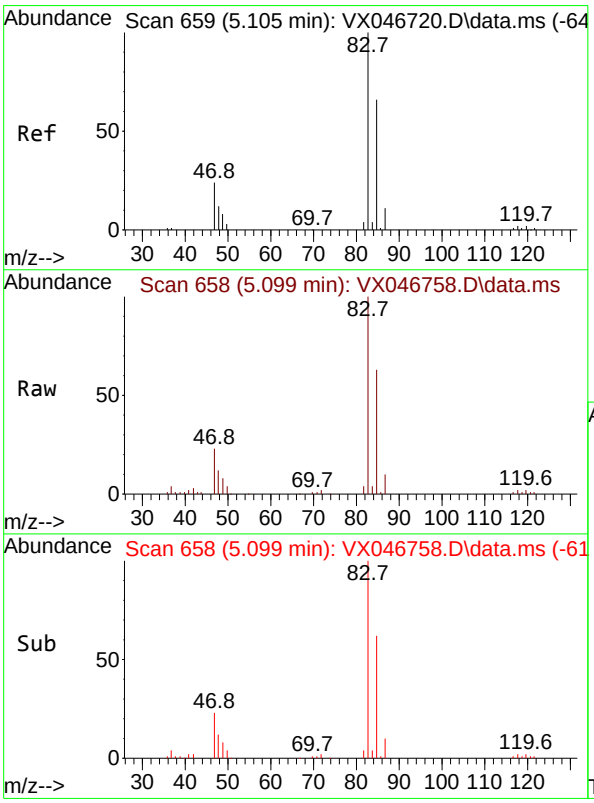
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 34.9 | 52.3 |
| 71 | 39.1 | 32.2 | 48.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Supervised By :Mahesh Dadoda 06/21/2025

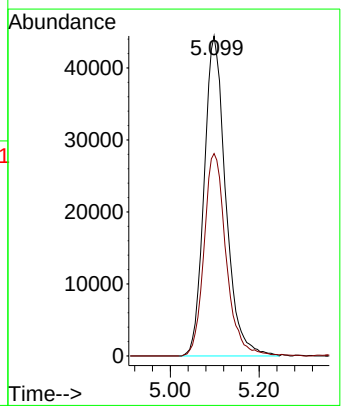


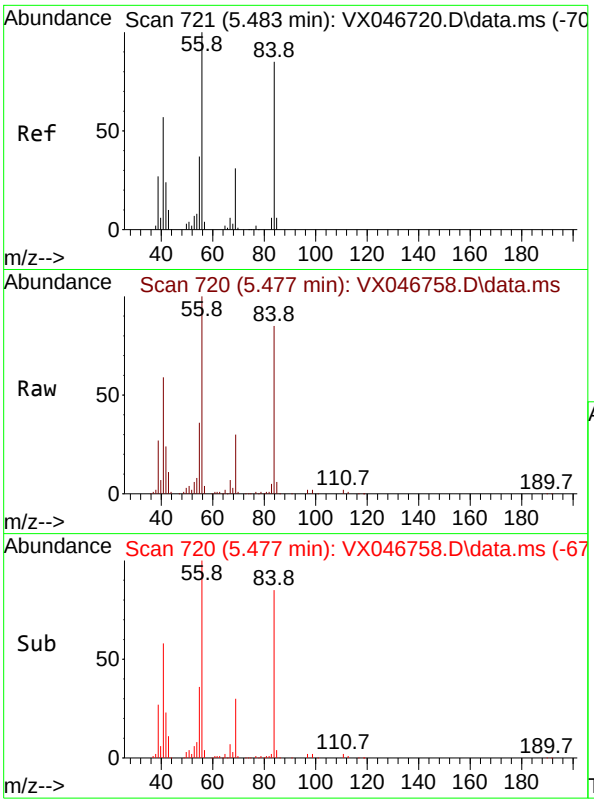




#30
Chloroform
Concen: 50.036 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 83 Resp: 149922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 53.7 | 80.5 |

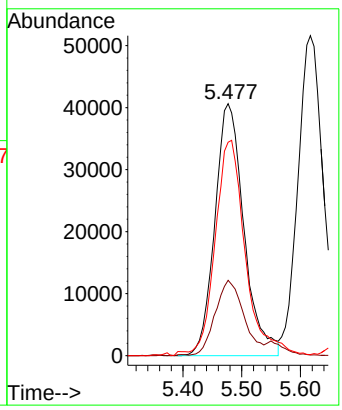





#31
Cyclohexane
Concen: 49.142 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 56 Resp: 13962

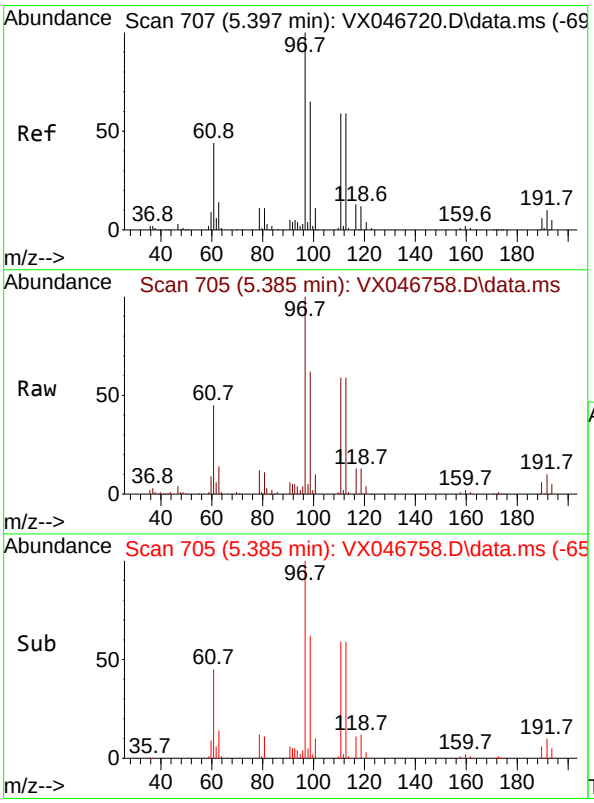
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.6 | 24.8 | 37.2 |
| 84 | 82.9 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

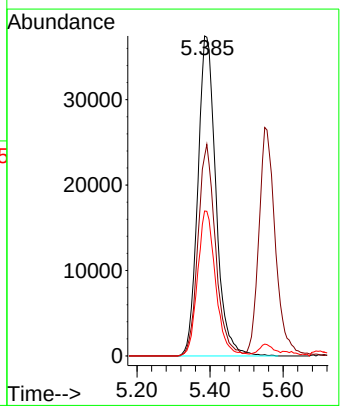
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

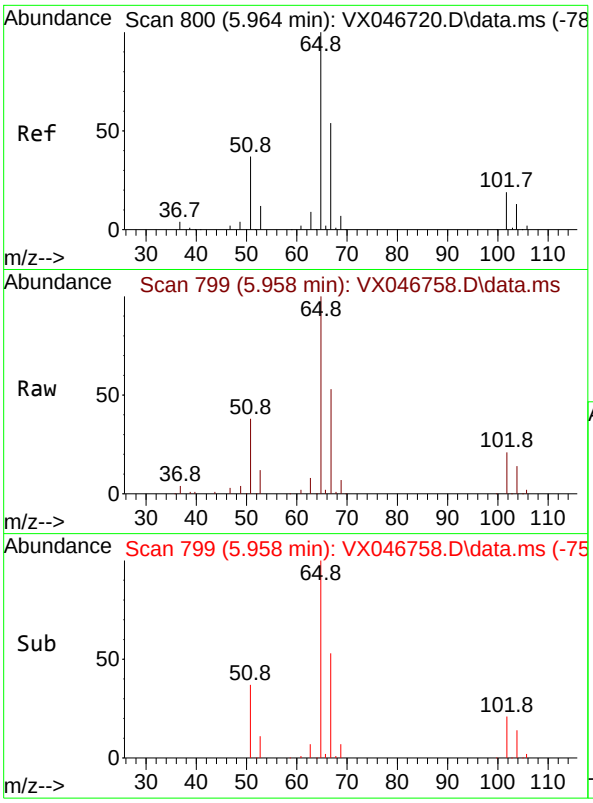



#32
1,1,1-Trichloroethane
Concen: 49.003 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 97 Resp: 128769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.3 | 76.9 |
| 61 | 45.4 | 36.4 | 54.6 |

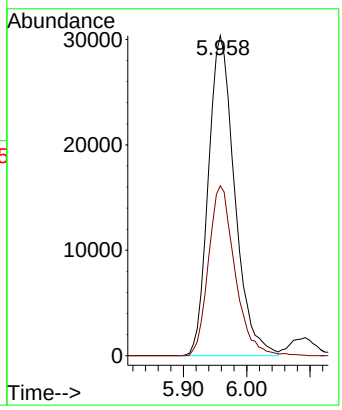





#33
1,2-Dichloroethane-d4
Concen: 46.187 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 65 Resp: 8763

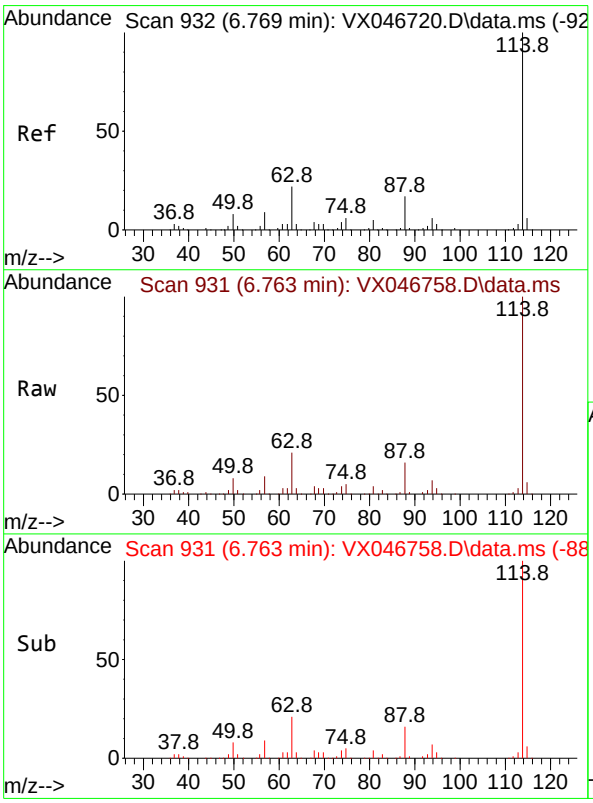
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

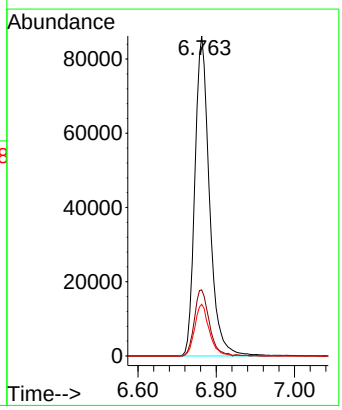
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

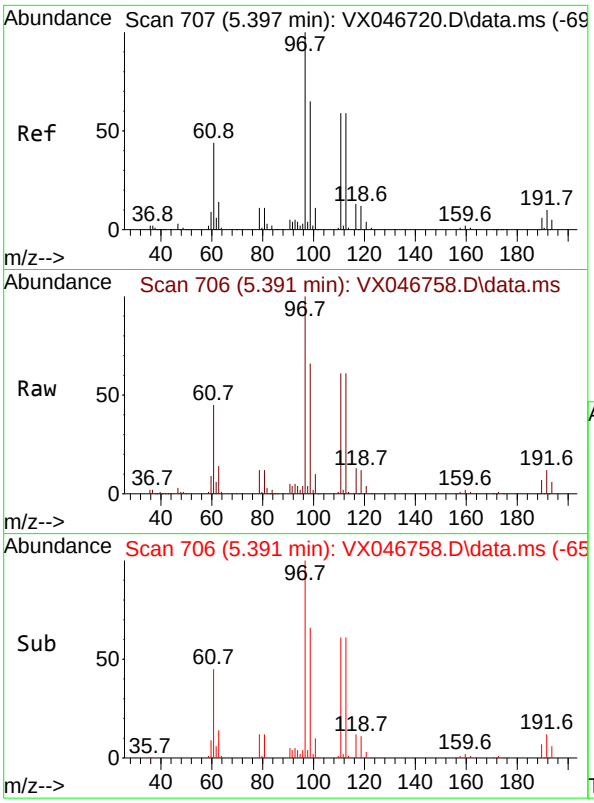



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:114 Resp: 224265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |

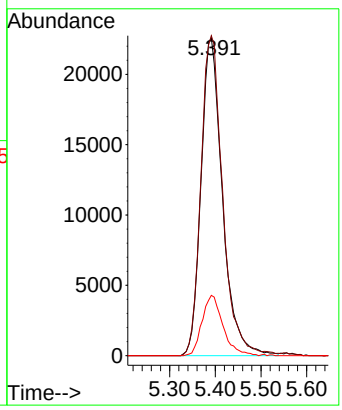





#35
Dibromofluoromethane
Concen: 49.476 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:113 Resp: 7341

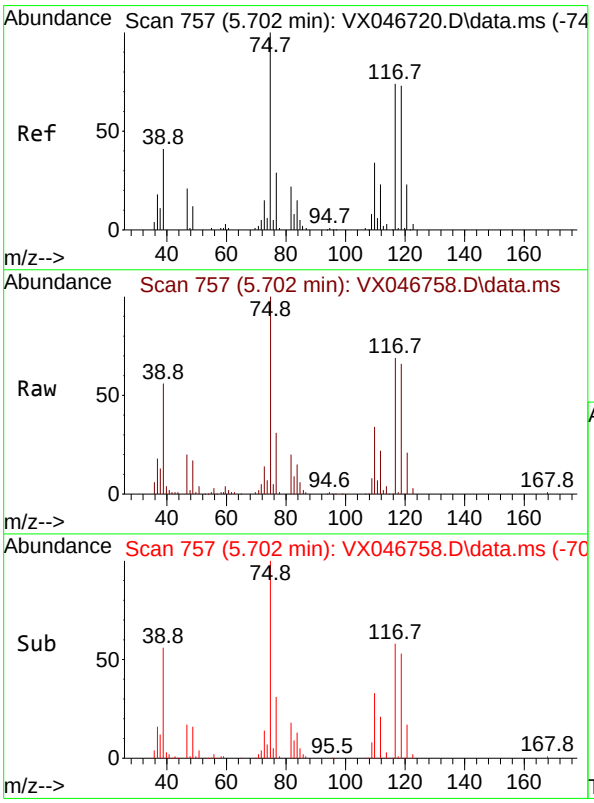
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

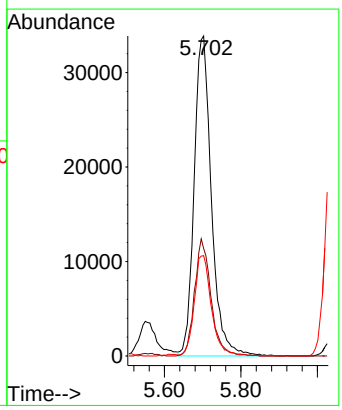
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

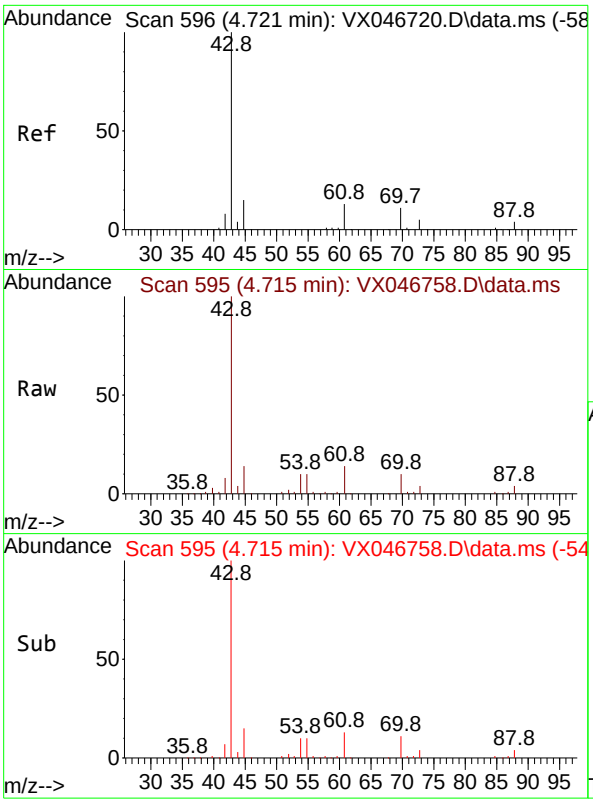



#36
1,1-Dichloropropene
Concen: 49.493 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 106011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.2 | 51.5 |
| 77 | 31.2 | 24.2 | 36.4 |






#37
Ethyl Acetate
Concen: 40.121 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

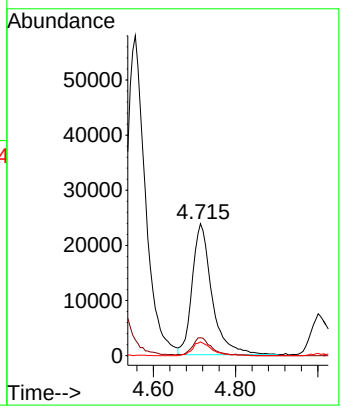
Tgt Ion: 43 Resp: 7932

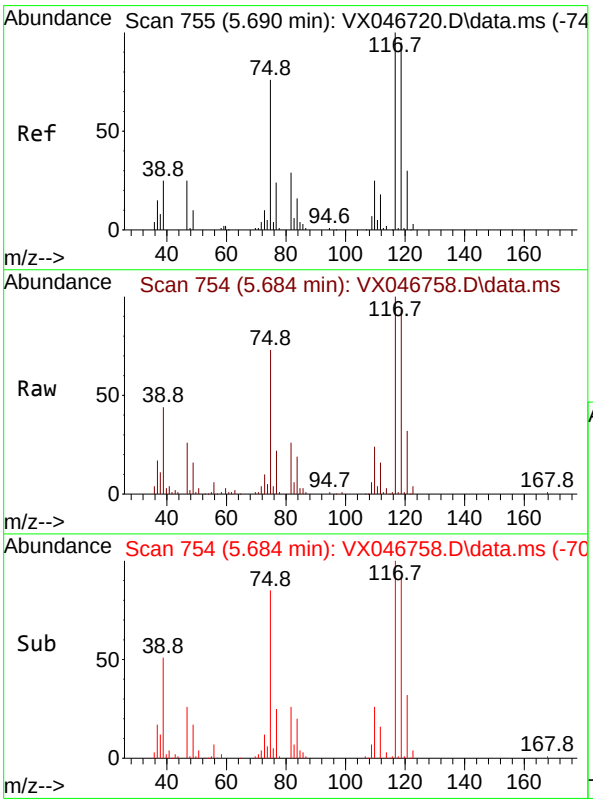
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

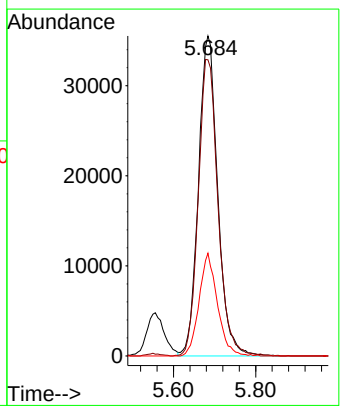


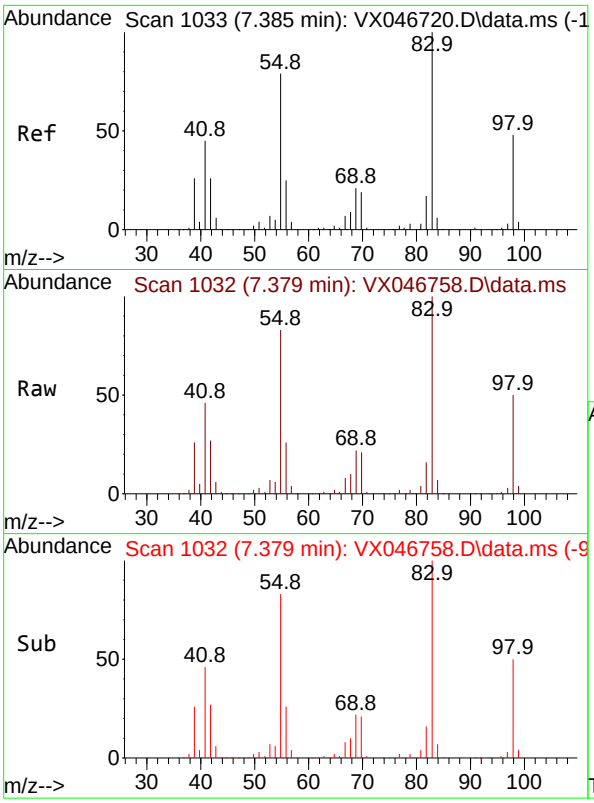




#38
Carbon Tetrachloride
Concen: 49.715 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:117 Resp: 115565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.4 | 75.2 | 112.8 |
| 121 | 32.1 | 24.1 | 36.1 |

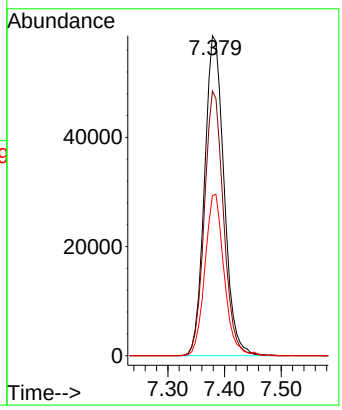





#39
Methylcyclohexane
Concen: 49.848 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 83 Resp: 14050

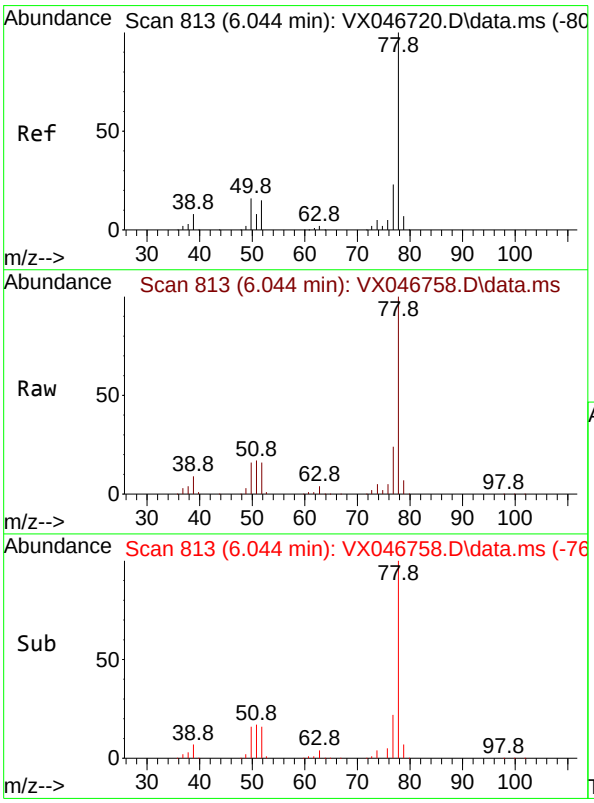
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.7 | 63.0 | 94.4 |
| 98 | 50.0 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

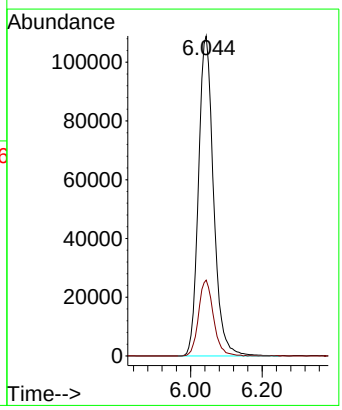
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

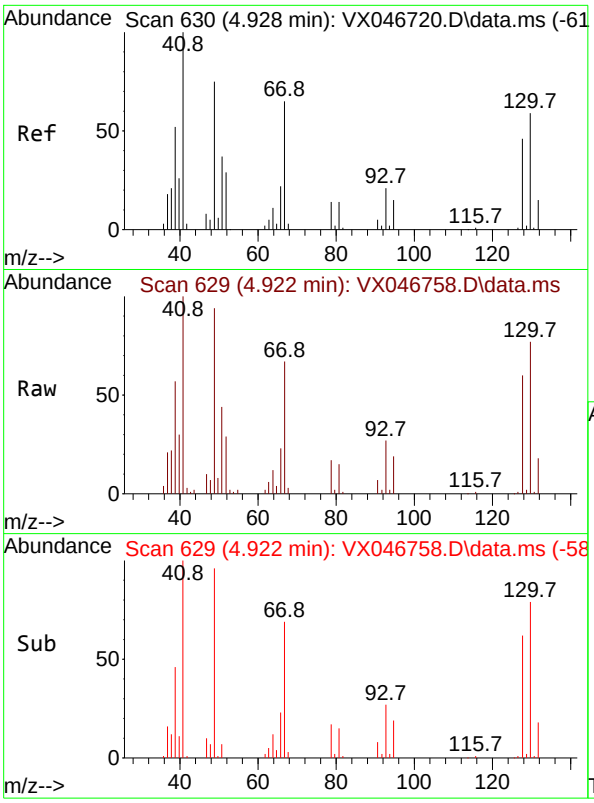



#40
Benzene
Concen: 50.074 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 78 Resp: 317423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 18.8 | 28.2 |

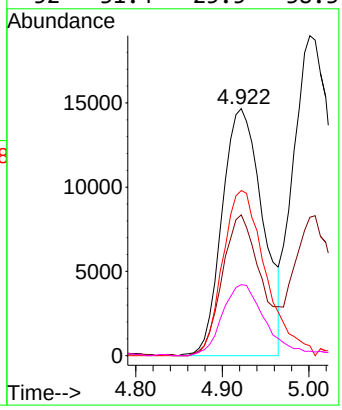





#41
Methacrylonitrile
Concen: 45.417 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 41 Resp: 4787

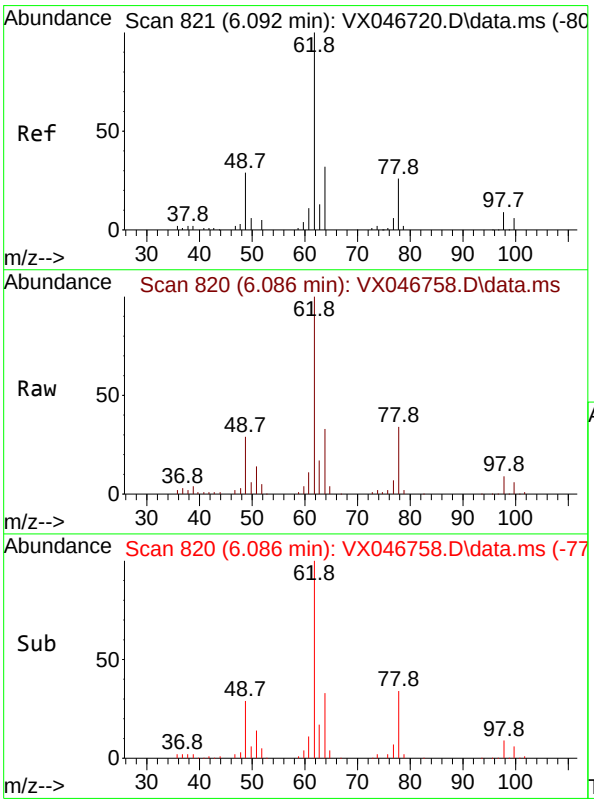
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 45.9 | 68.9 |
| 67 | 70.2 | 61.2 | 91.8 |
| 52 | 31.4 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

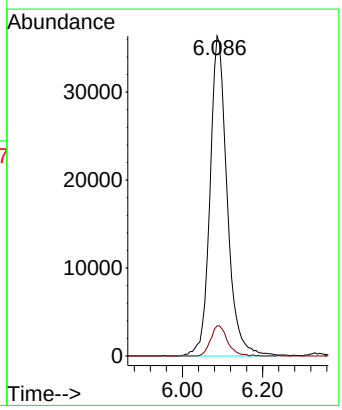
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

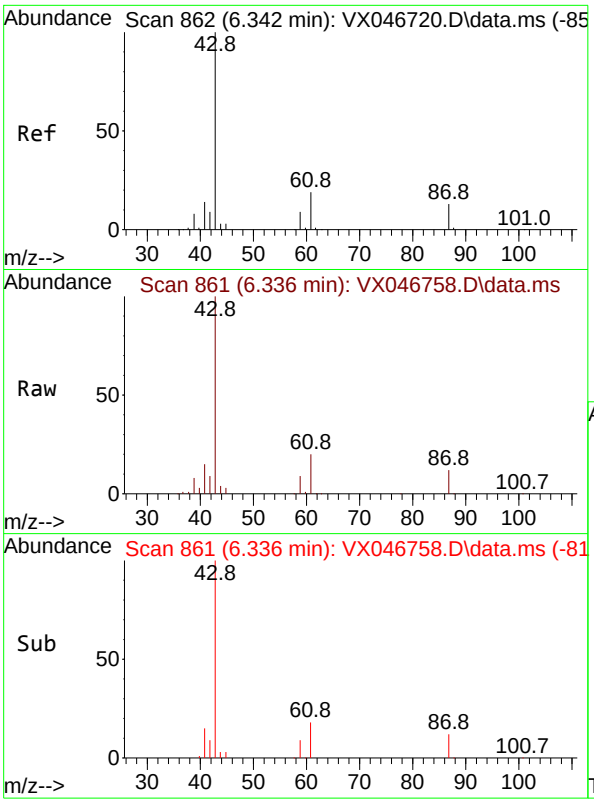



#42
1,2-Dichloroethane
Concen: 48.452 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 62 Resp: 107931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 42.935 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

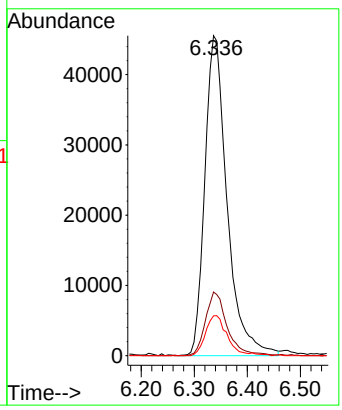
Tgt Ion: 43 Resp: 13283

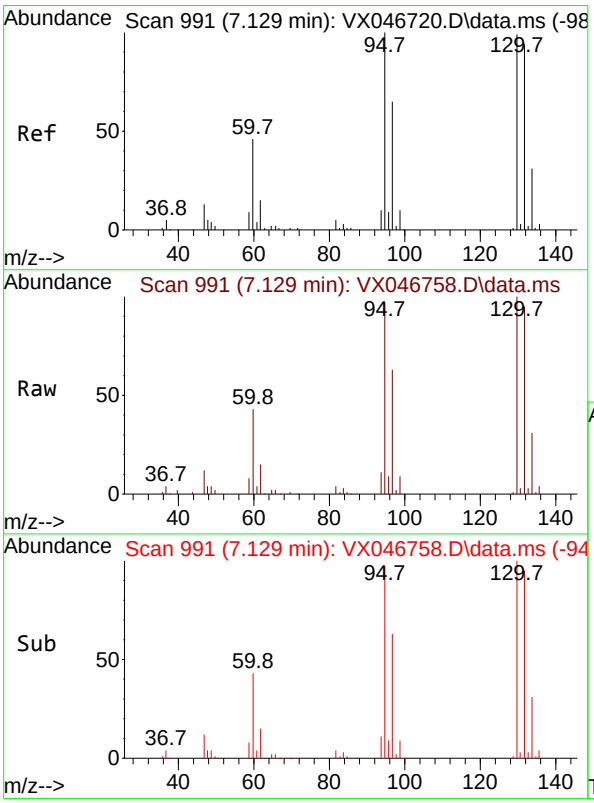
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.3 | 22.9 |
| 87 | 12.3 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

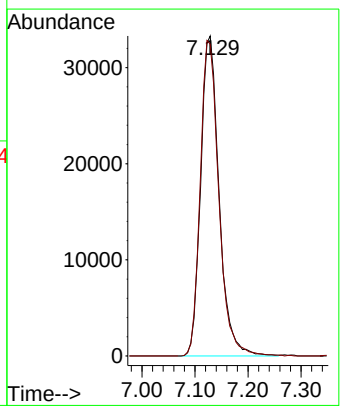


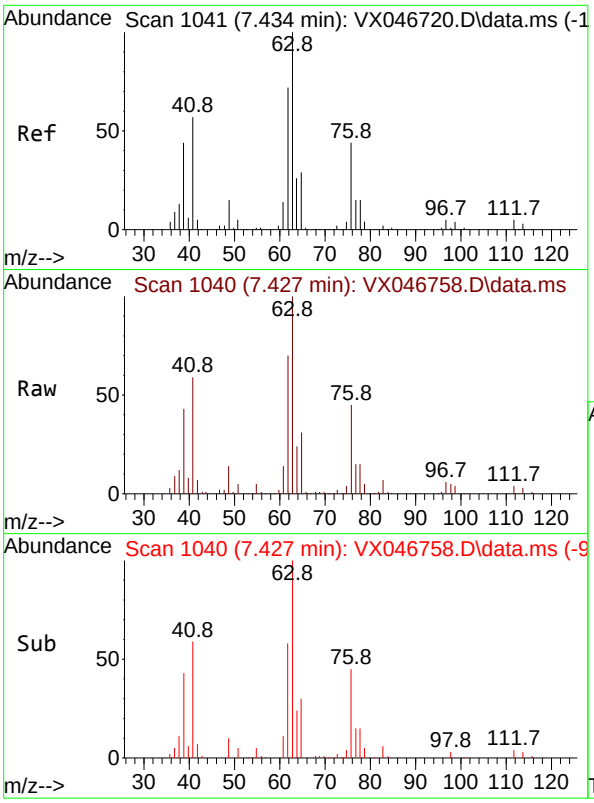




#44
Trichloroethene
Concen: 49.599 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:130 Resp: 80127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.5 | 0.0 | 202.6 |

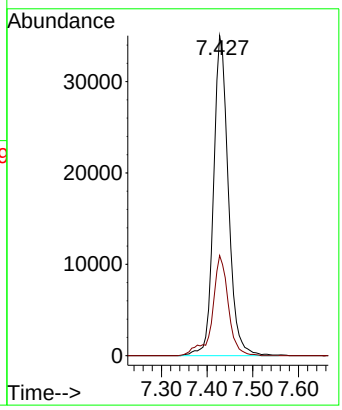





#45
1,2-Dichloropropane
Concen: 50.385 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 63 Resp: 7915

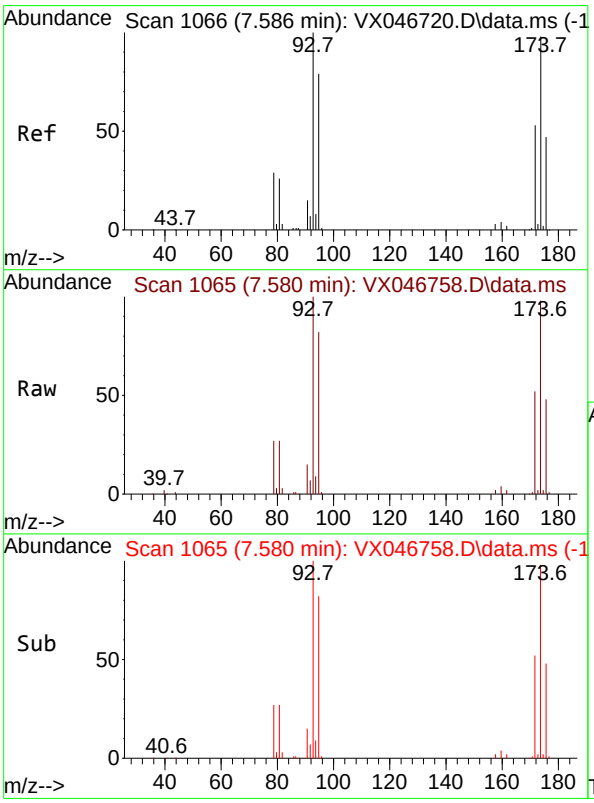
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

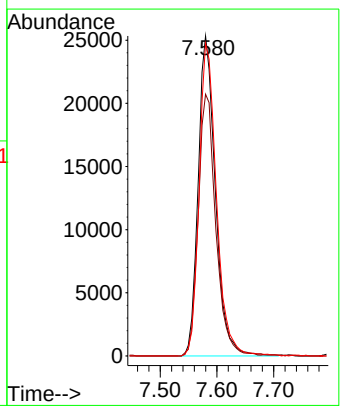
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

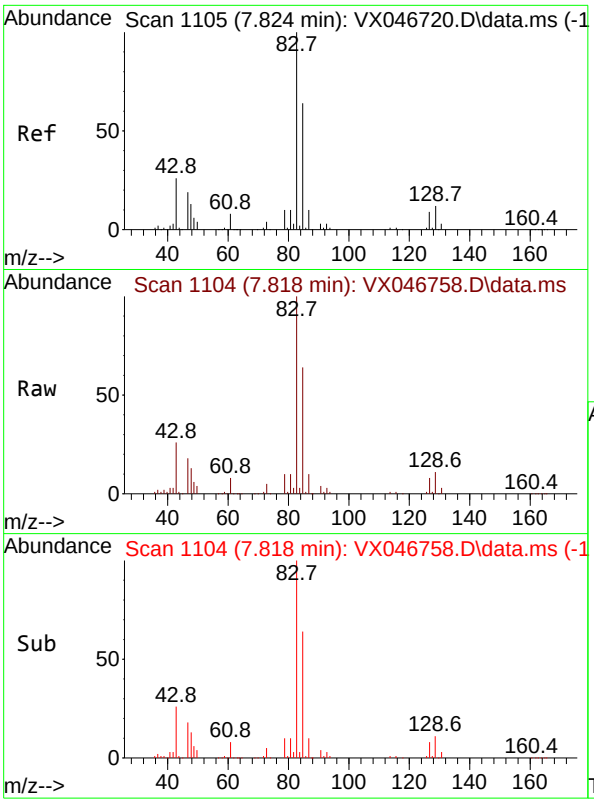



#46
Dibromomethane
Concen: 47.295 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 93 Resp: 53399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.2 | 99.4 |
| 174 | 98.2 | 77.0 | 115.6 |

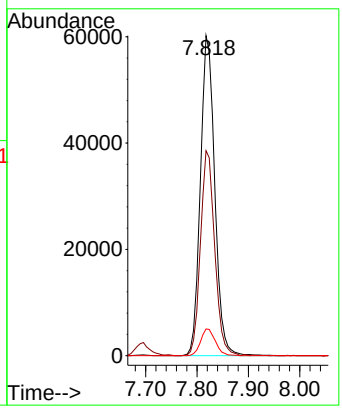





#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 83 Resp: 11682

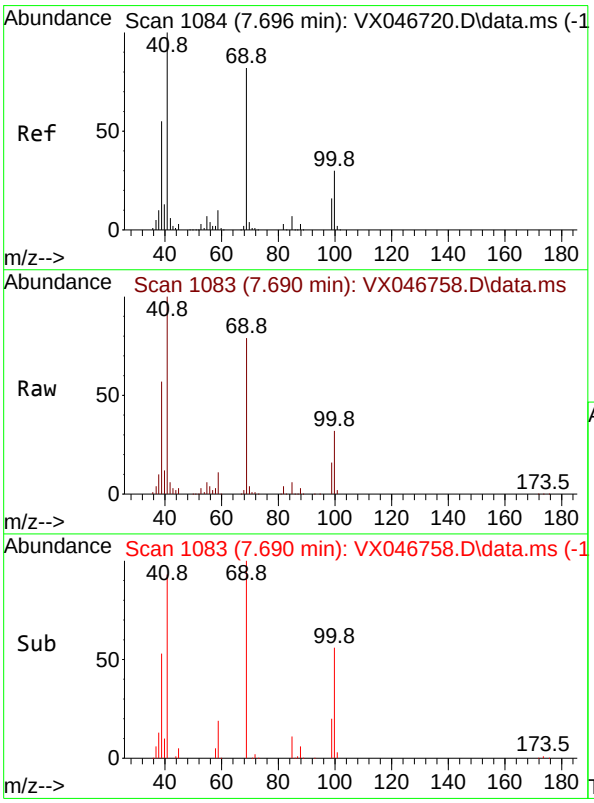
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 51.4 | 77.2 |
| 127 | 8.3 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

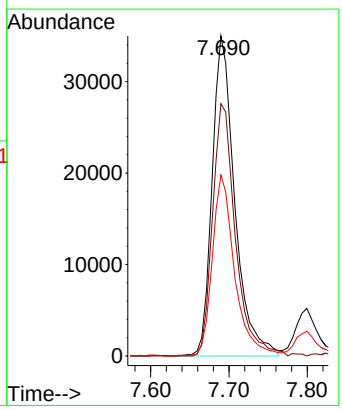
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

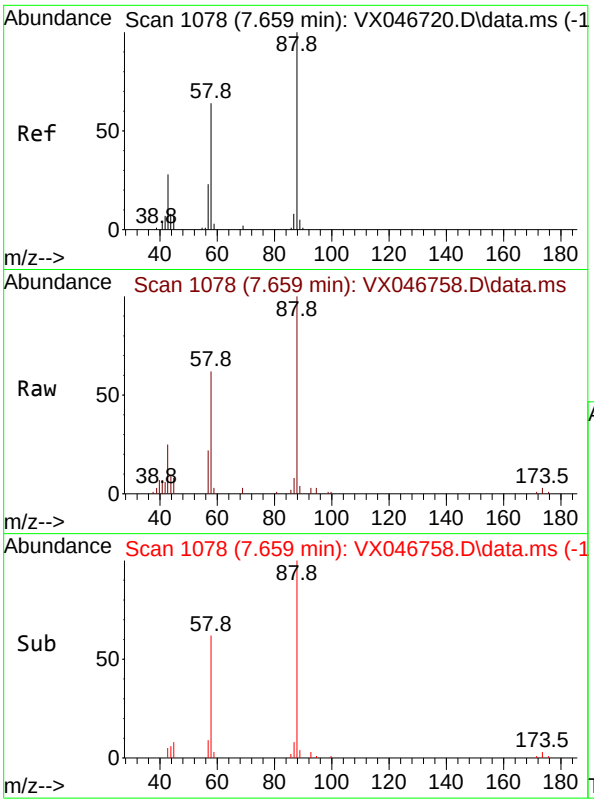



#48
Methyl methacrylate
Concen: 45.316 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 41 Resp: 70314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 55.5 | 45.4 | 68.0 |

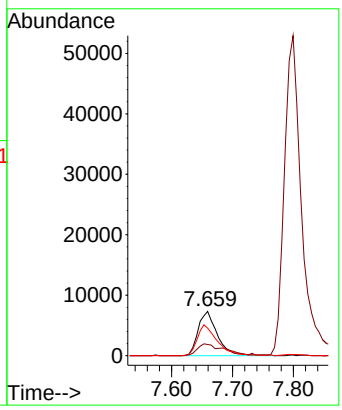





#49
1,4-Dioxane
Concen: 714.909 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 88 Resp: 1595

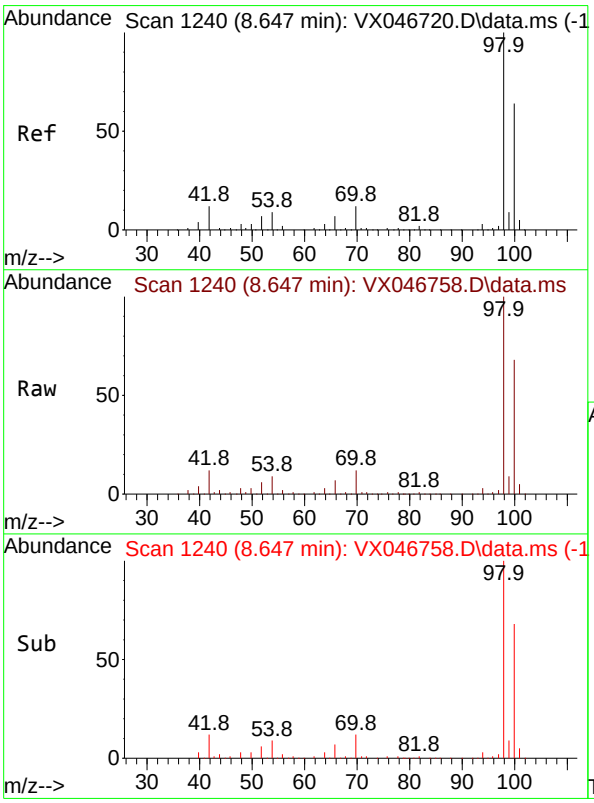
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.3 | 31.2 | 46.8 |
| 58 | 72.4 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

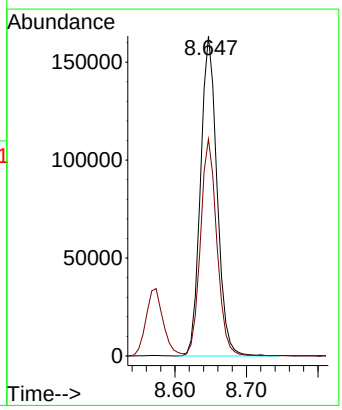
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

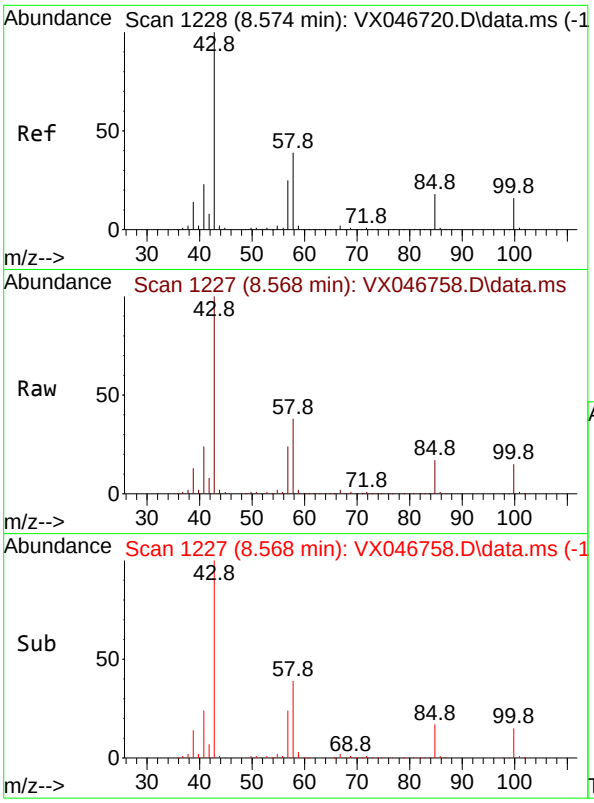



#50
Toluene-d8
Concen: 49.067 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 98 Resp: 261576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 53.0 | 79.4 |

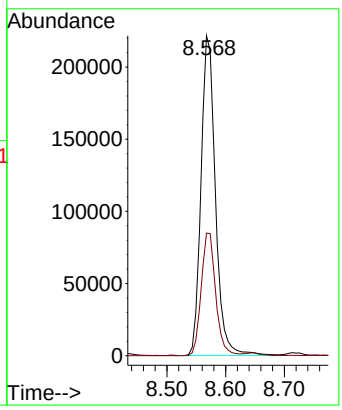





#51
4-Methyl-2-Pentanone
Concen: 205.777 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 37970

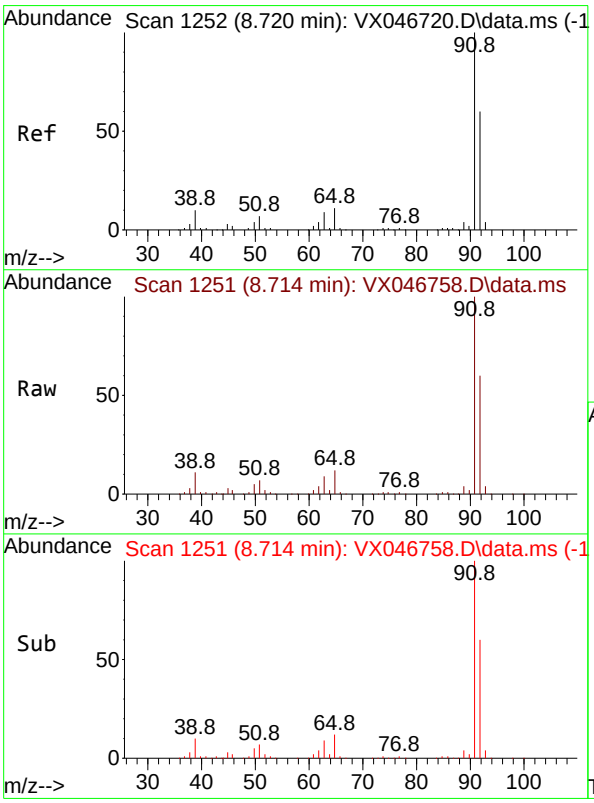
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

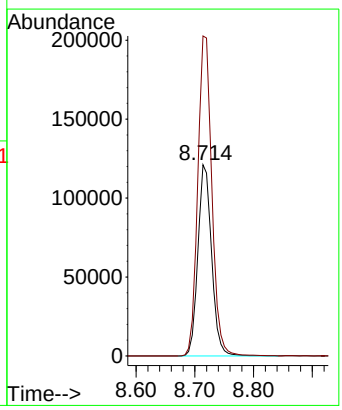
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

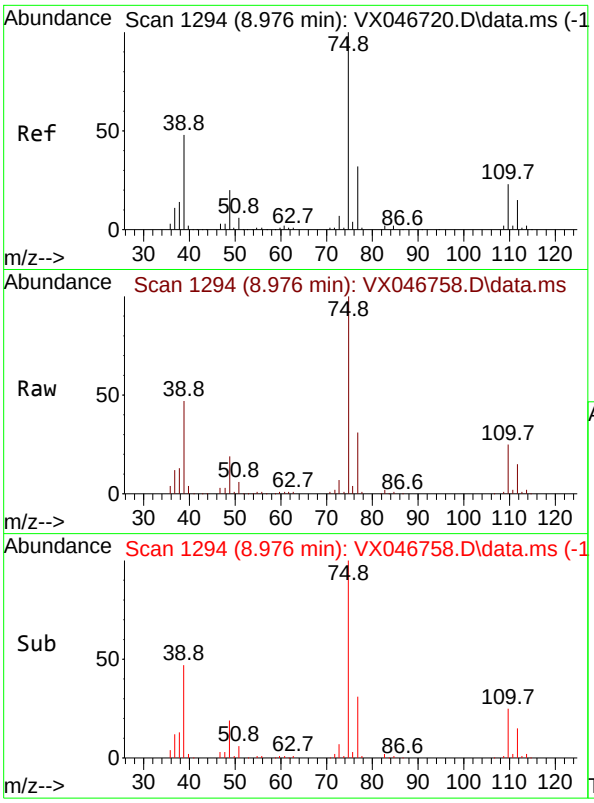



#52
Toluene
Concen: 50.025 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 92 Resp: 196587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.9 | 134.8 | 202.2 |

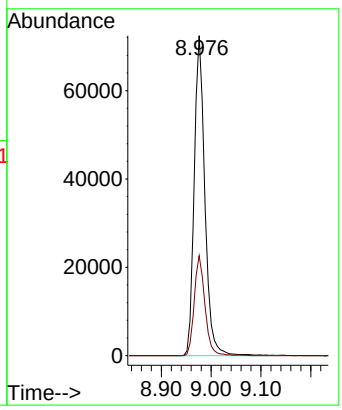





#53
t-1,3-Dichloropropene
Concen: 50.420 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 10778

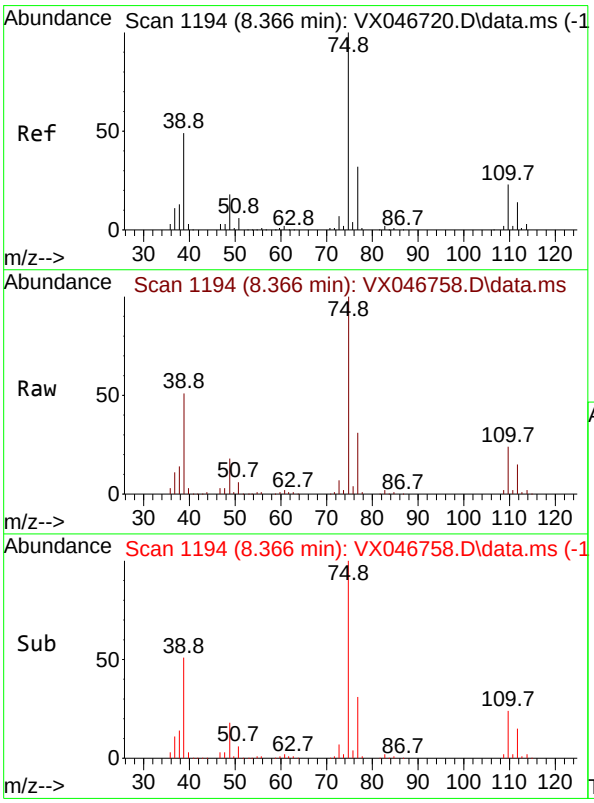
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

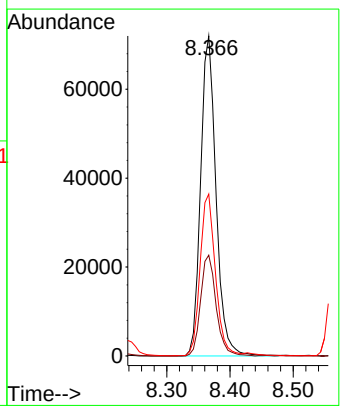
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

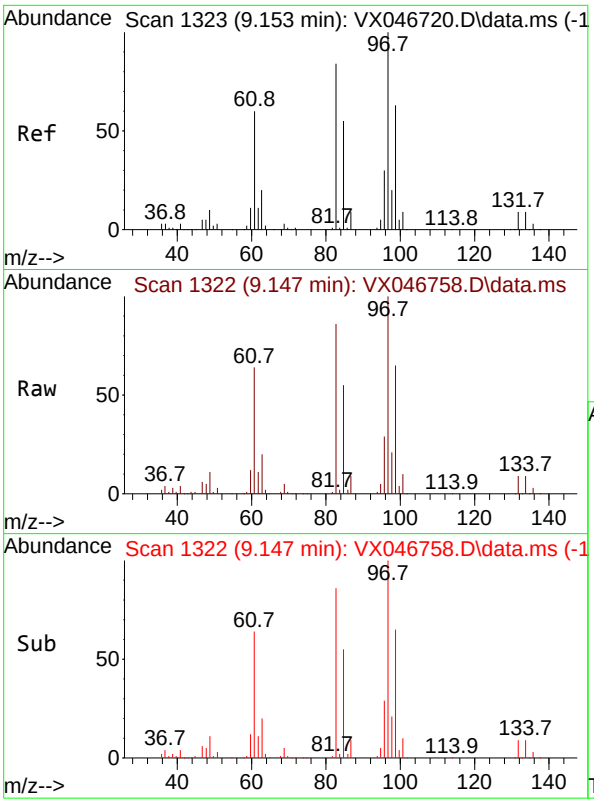



#54
cis-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 122151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |
| 39 | 50.5 | 39.2 | 58.8 |

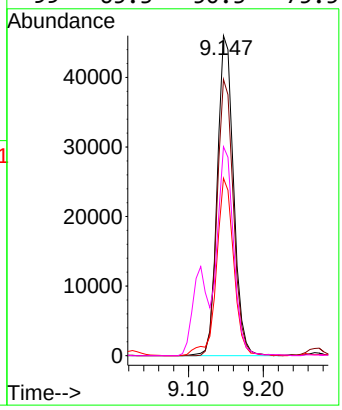





#55
1,1,2-Trichloroethane
Concen: 47.614 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 97 Resp: 6972

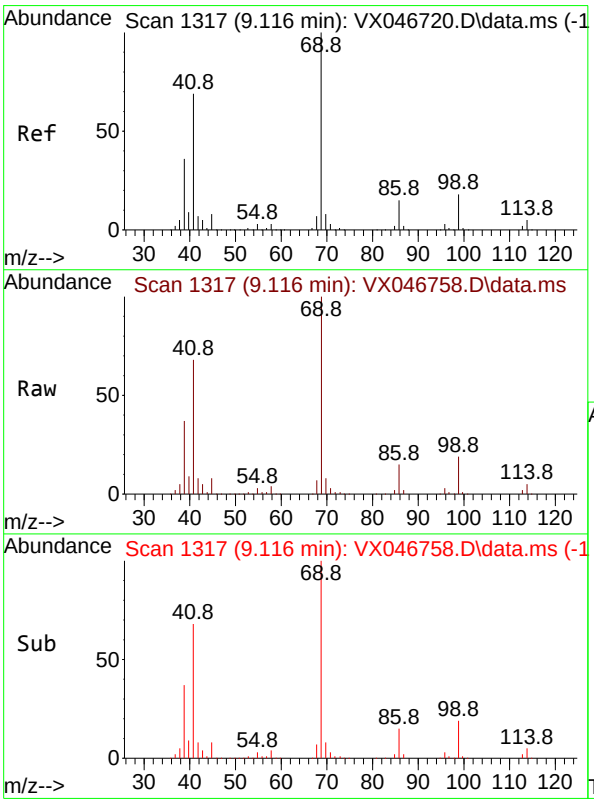
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.3 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 65.3 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

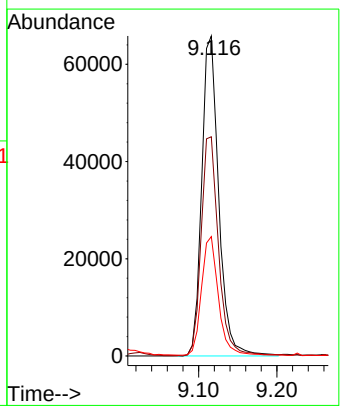
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

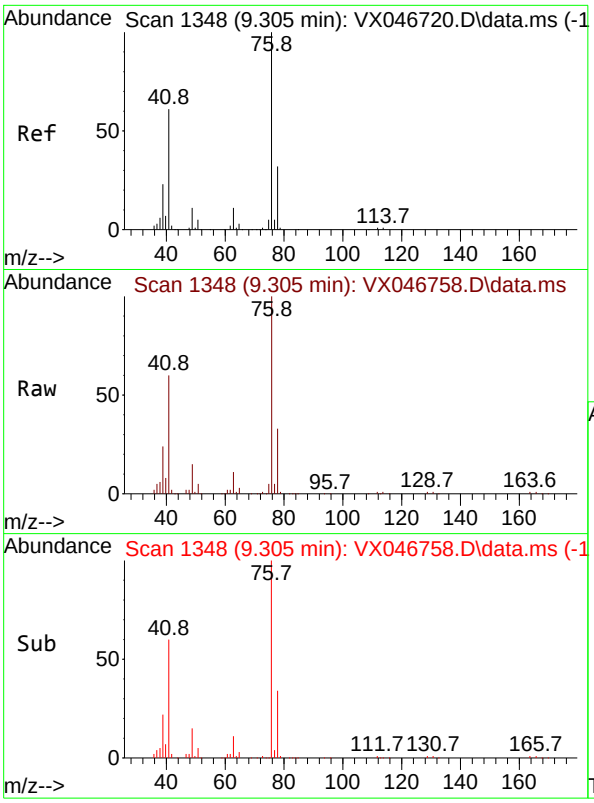



#56
Ethyl methacrylate
Concen: 45.899 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 69 Resp: 99225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.7 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |

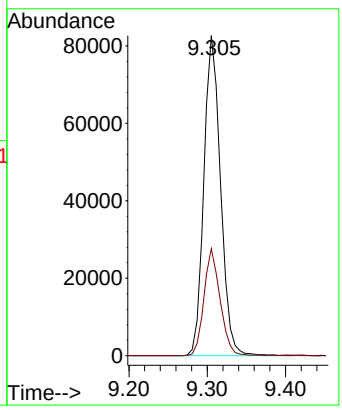





#57
1,3-Dichloropropane
Concen: 48.408 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 76 Resp: 12208

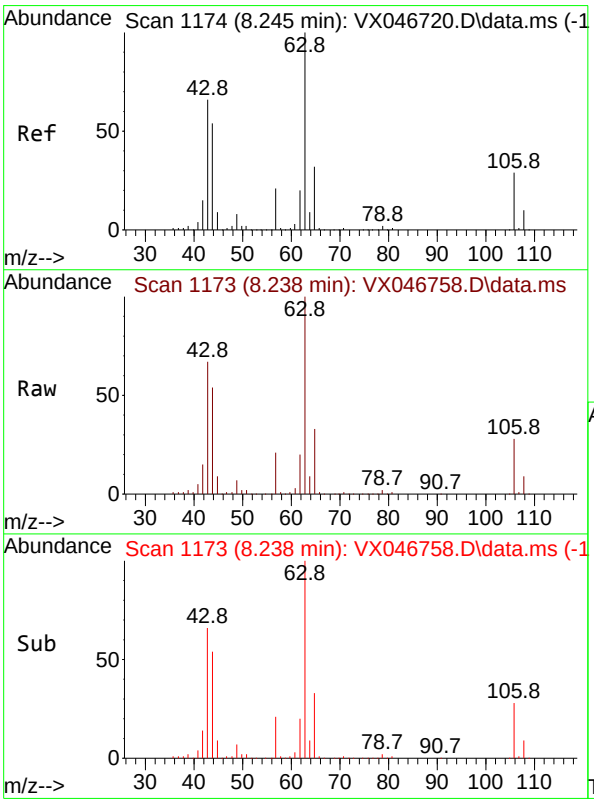
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

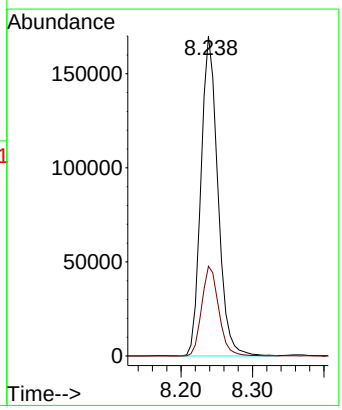
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

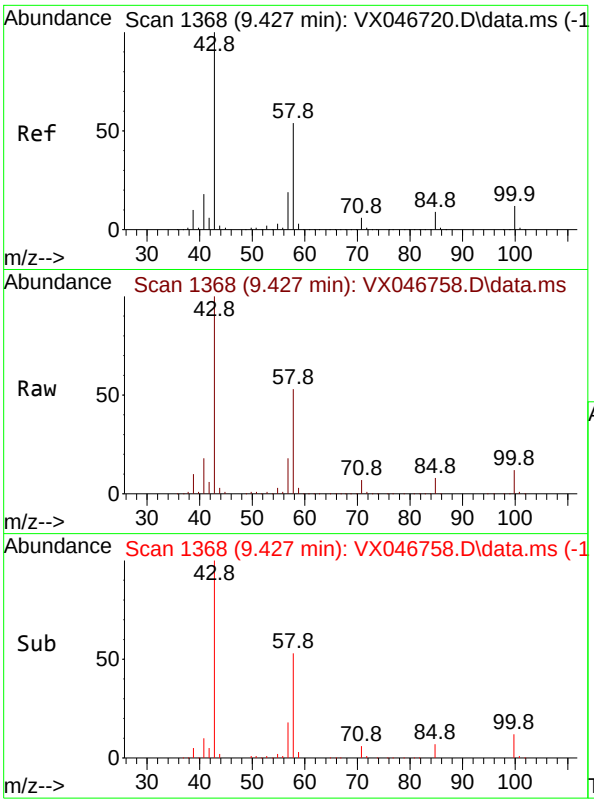



#58
2-Chloroethyl Vinyl ether
Concen: 248.797 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 63 Resp: 279394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |






#59
2-Hexanone
Concen: 201.475 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

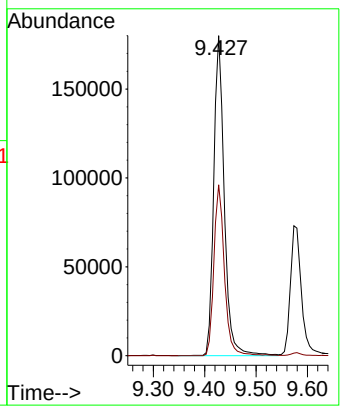
Tgt Ion: 43 Resp: 25701

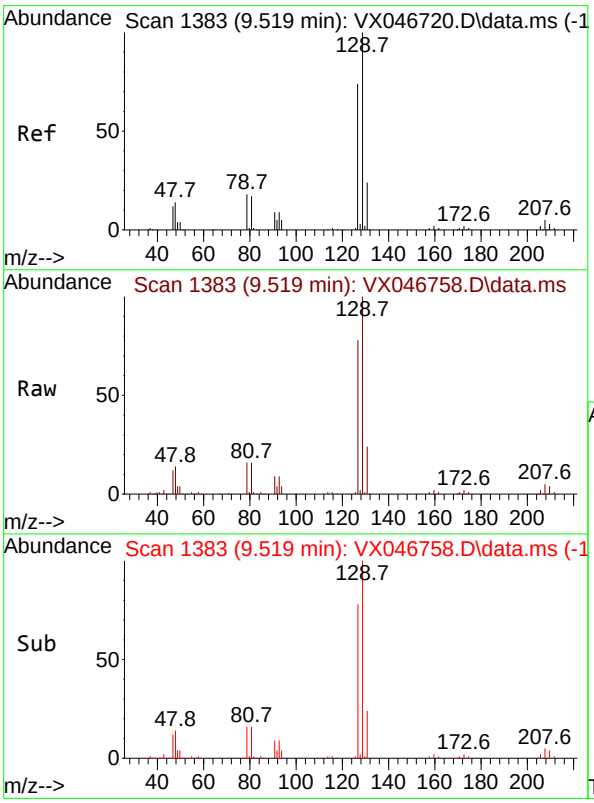
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.8 | 80.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

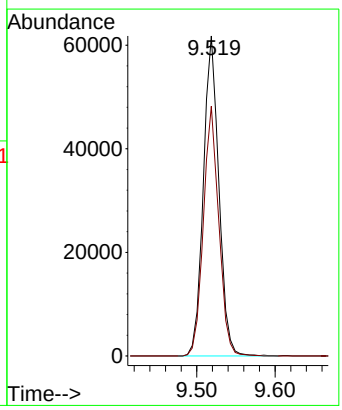


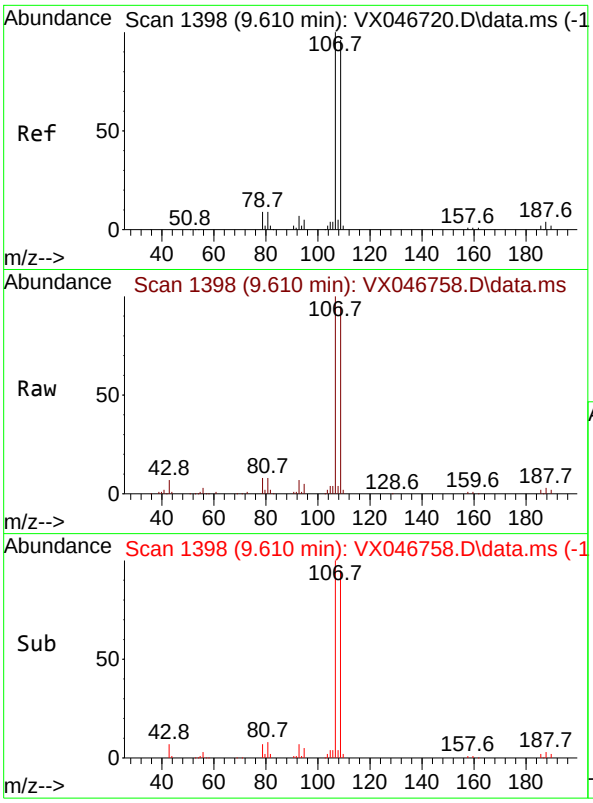




#60
Dibromochloromethane
Concen: 49.021 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:129 Resp: 84603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 47.653 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

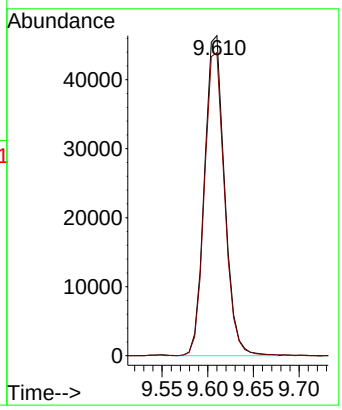
Tgt Ion:107 Resp: 7098

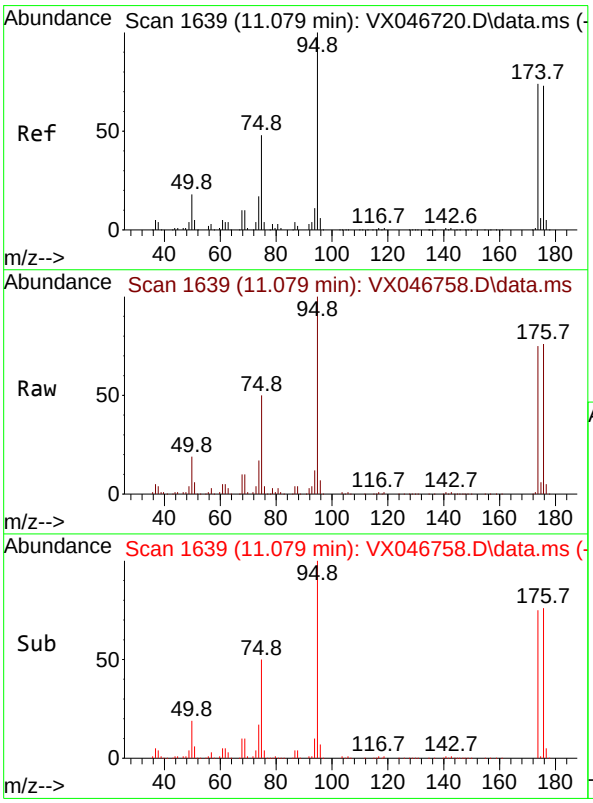
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.8 | 75.8 | 113.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

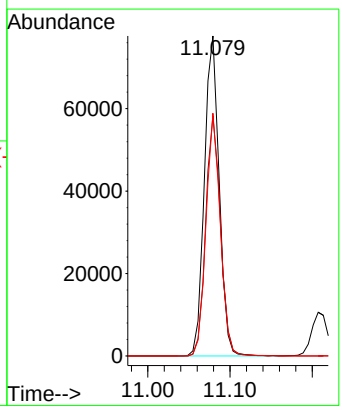


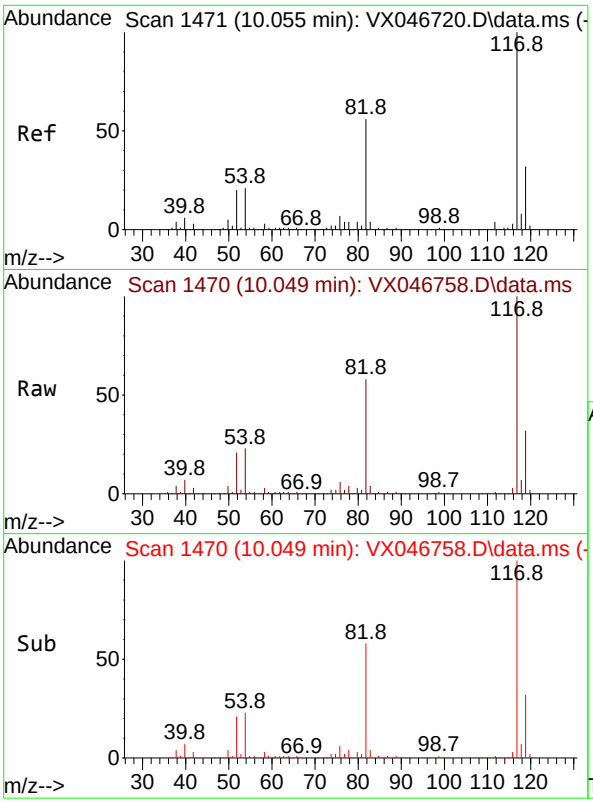




#62
4-Bromofluorobenzene
Concen: 48.823 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 95 Resp: 97021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.1 | 0.0 | 150.4 |
| 176 | 73.0 | 0.0 | 145.0 |

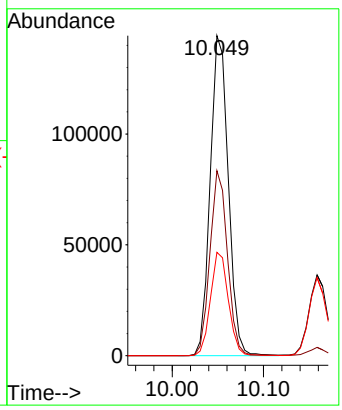





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:117 Resp: 19774

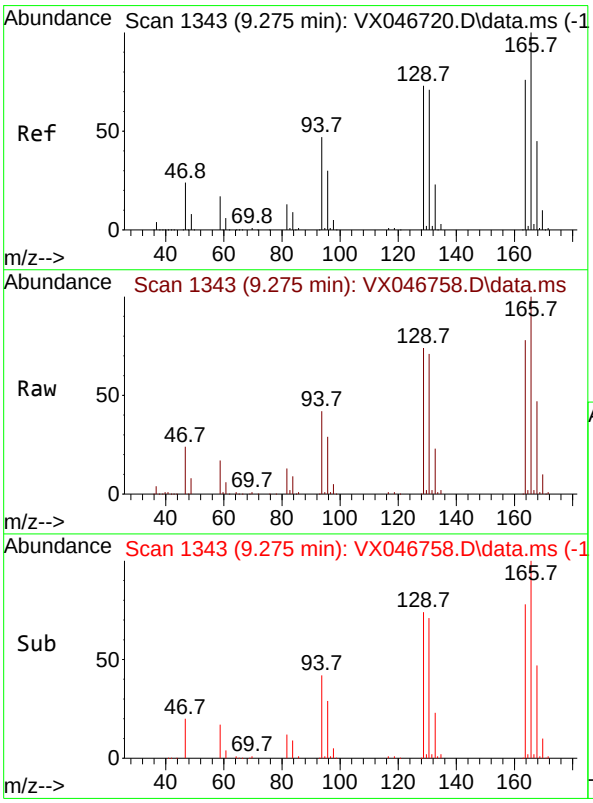
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 44.6 | 66.8 |
| 119 | 32.3 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

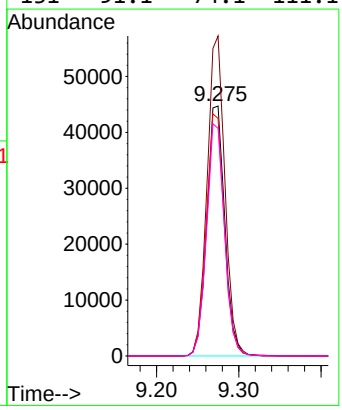
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

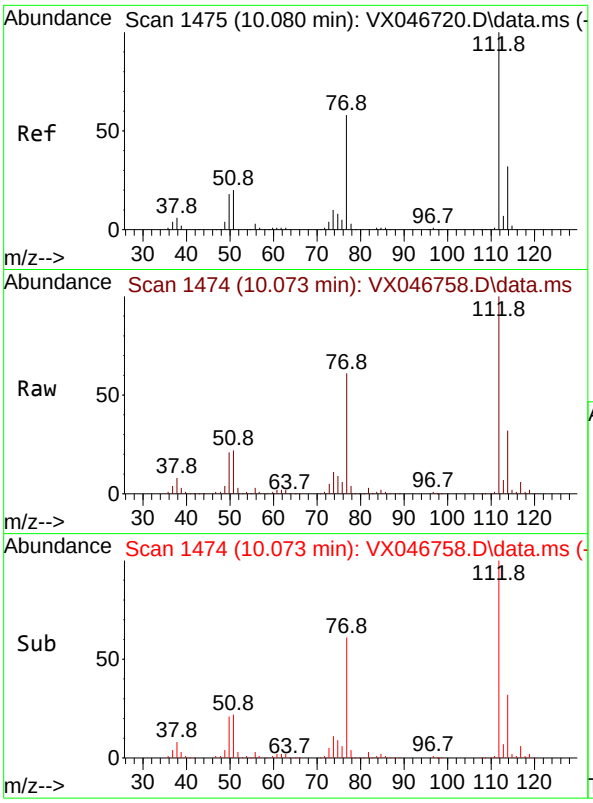



#64
Tetrachloroethene
Concen: 49.587 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:164 Resp: 67934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 104.6 | 157.0 |
| 129 | 95.0 | 76.3 | 114.5 |
| 131 | 91.1 | 74.1 | 111.1 |






#65
Chlorobenzene
Concen: 49.352 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

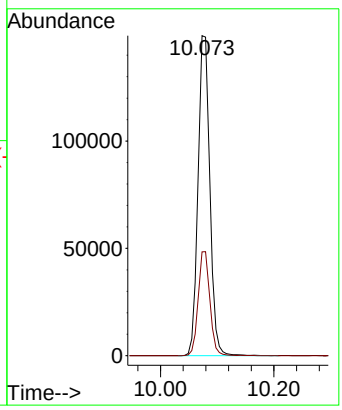
Tgt Ion:112 Resp: 21542

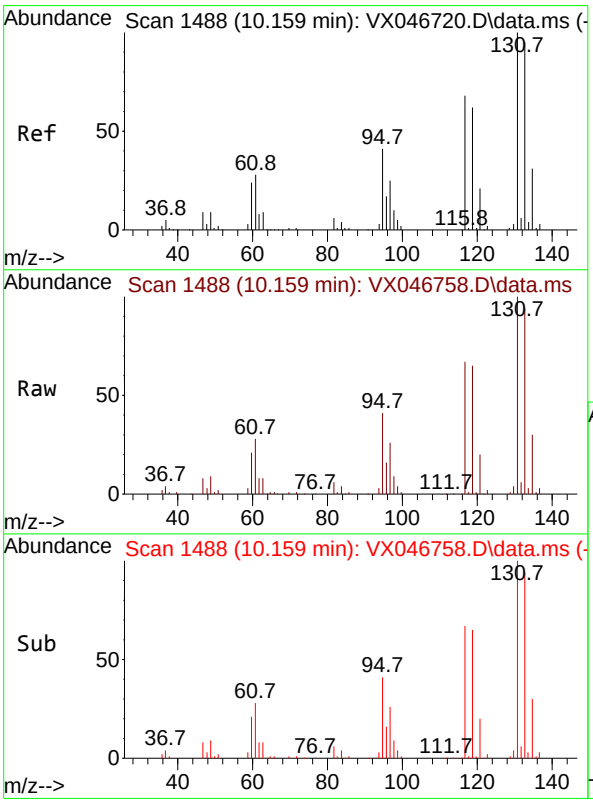
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.5 | 38.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

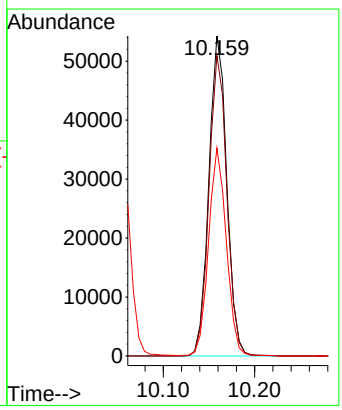


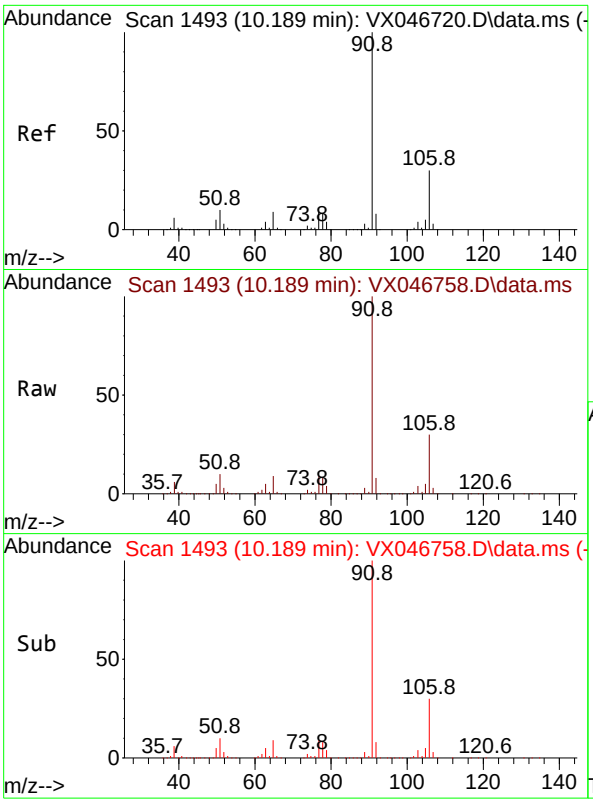




#66
1,1,1,2-Tetrachloroethane
Concen: 50.304 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:131 Resp: 73797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.8 |
| 119 | 64.5 | 32.1 | 96.3 |

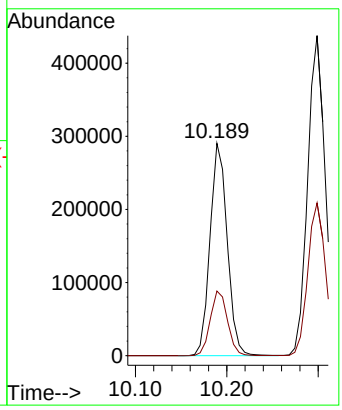





#67
Ethyl Benzene
Concen: 49.719 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 37920

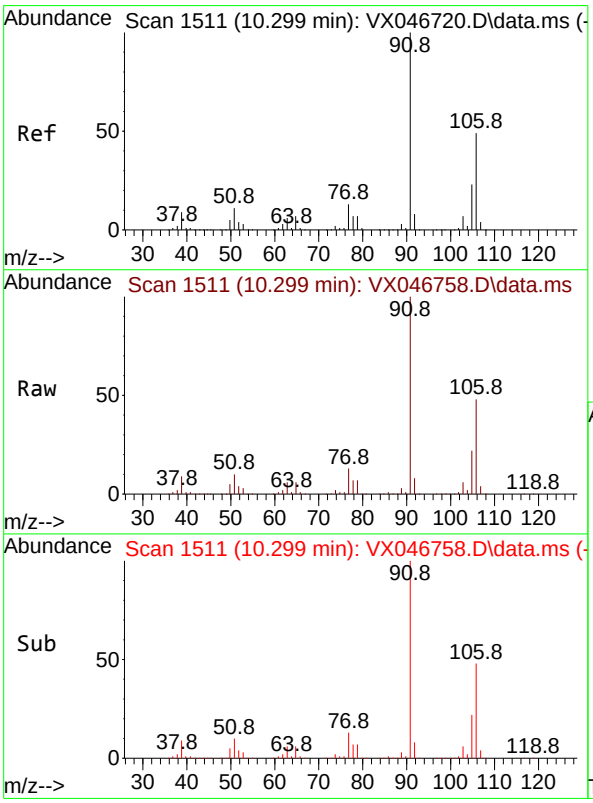
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

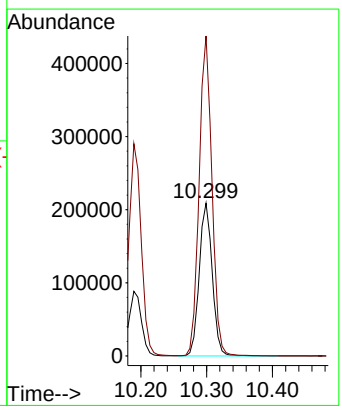
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

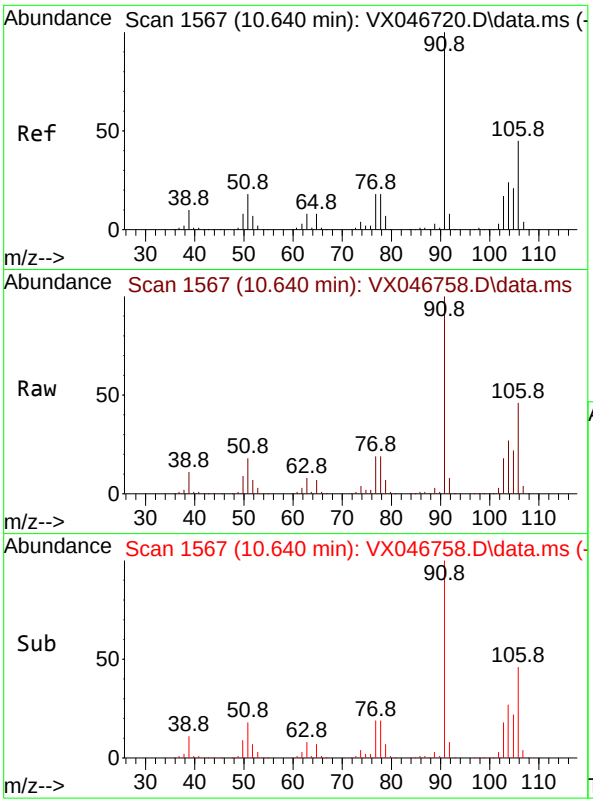



#68
m/p-Xylenes
Concen: 100.703 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:106 Resp: 286180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.9 | 164.8 | 247.2 |

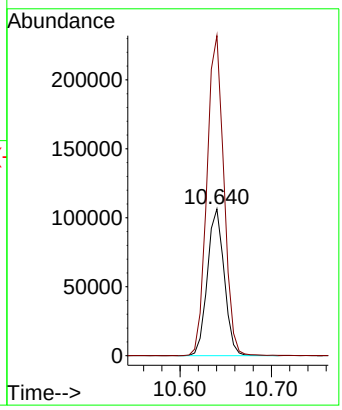





#69
o-Xylene
Concen: 51.004 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:106 Resp: 13583

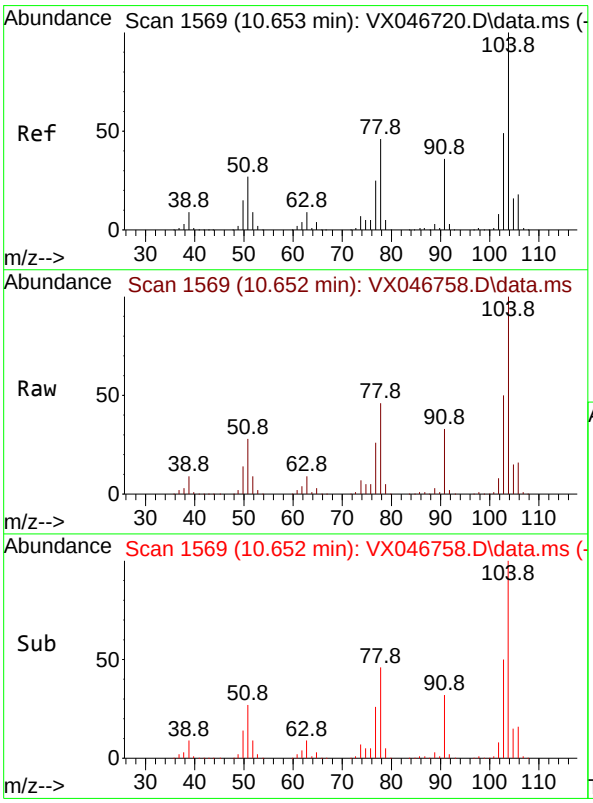
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

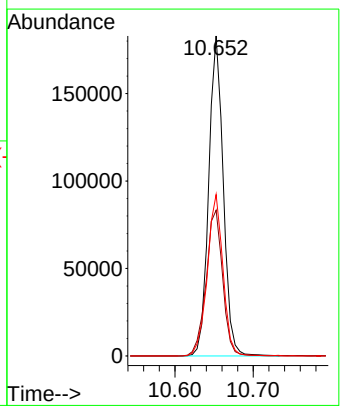
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

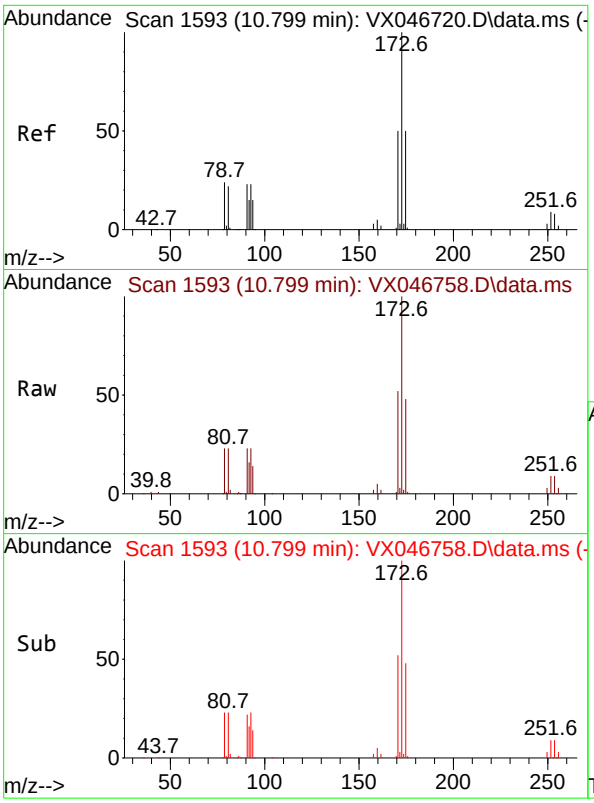



#70
Styrene
Concen: 50.573 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:104 Resp: 235709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 41.4 | 62.2 |
| 103 | 54.3 | 43.1 | 64.7 |

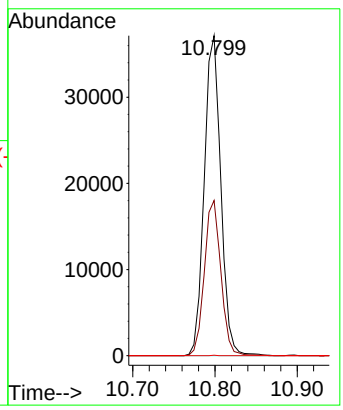





#71
Bromoform
Concen: 46.470 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

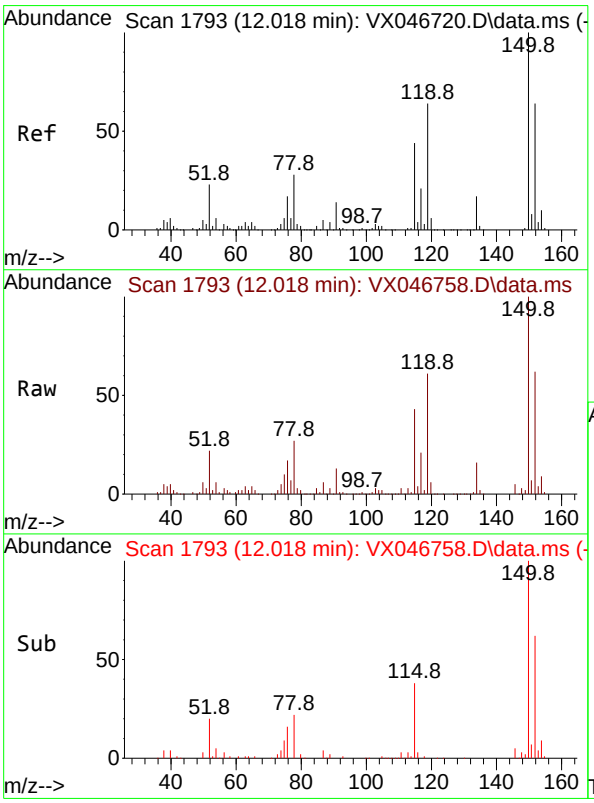
Tgt Ion:173 Resp: 5191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

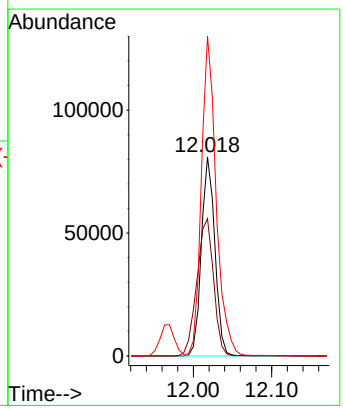
**Manual Integrations**
**APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

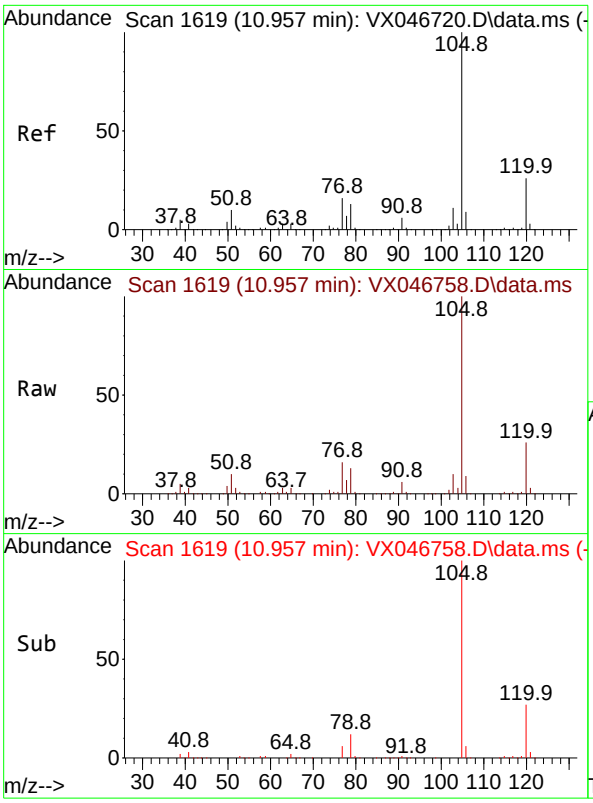



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:152 Resp: 96867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.5 | 43.2 | 129.6 |
| 150 | 175.8 | 0.0 | 346.8 |

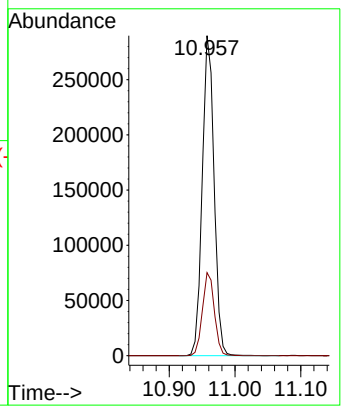





#73
Isopropylbenzene
Concen: 50.881 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:105 Resp: 36299

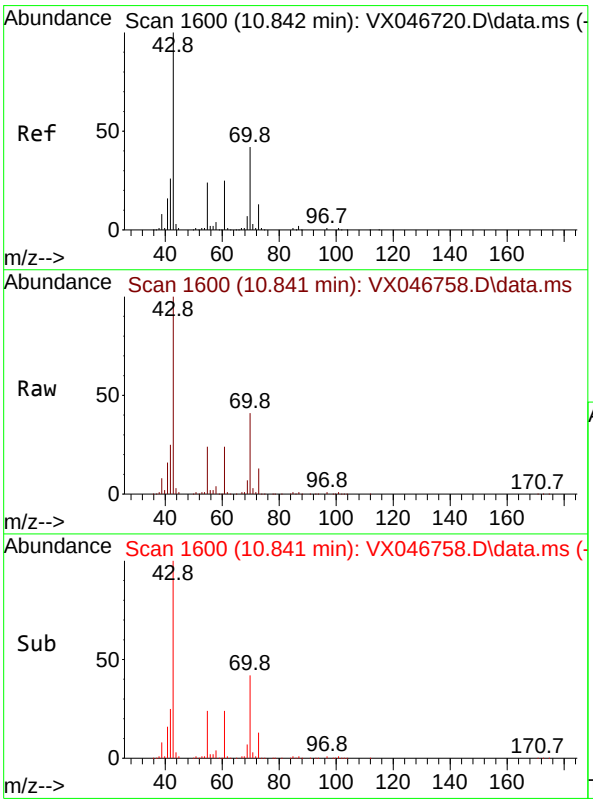
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

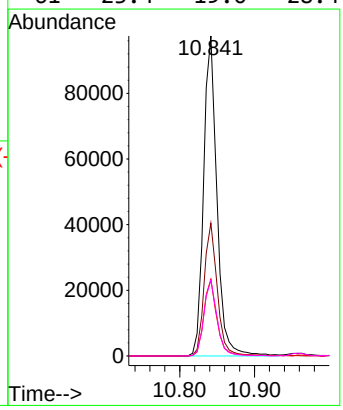
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

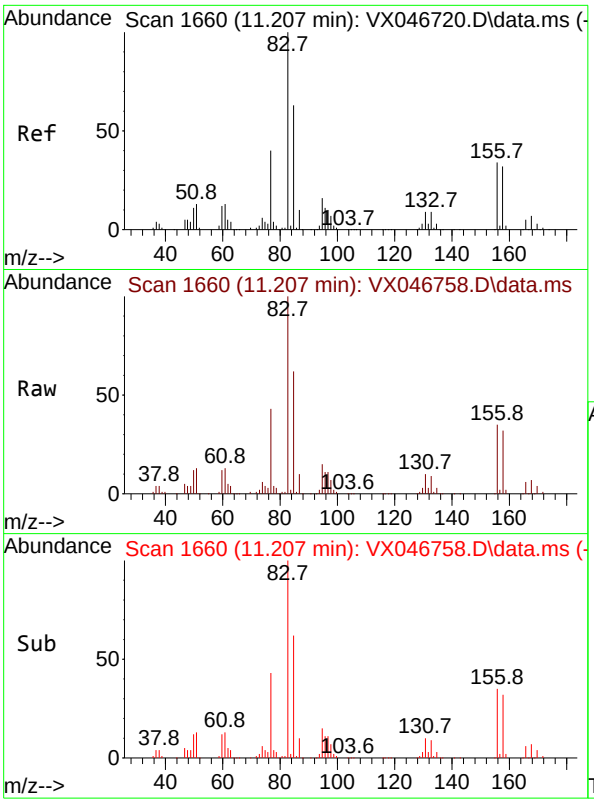



#74
N-amyl acetate
Concen: 44.699 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 120822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.7 | 19.1 | 28.7 |
| 61 | 23.4 | 19.0 | 28.4 |






#75
1,1,2,2-Tetrachloroethane
Concen: 45.350 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

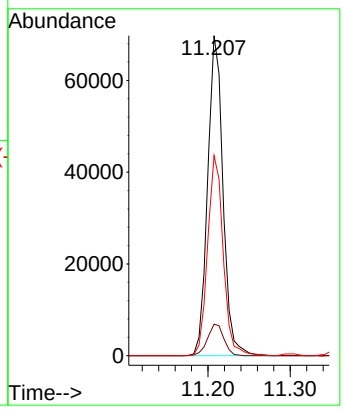
Tgt Ion: 83 Resp: 9034

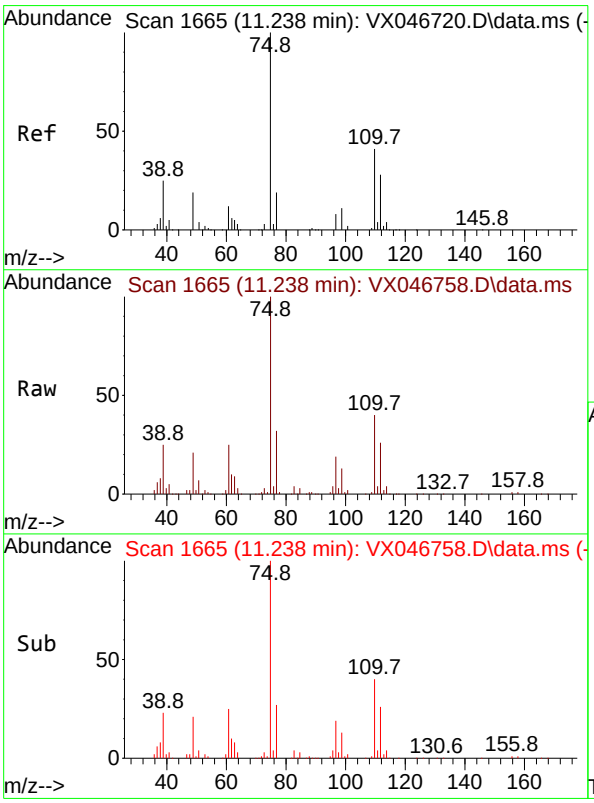
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 4.9 | 14.6 |
| 85 | 63.3 | 32.0 | 96.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

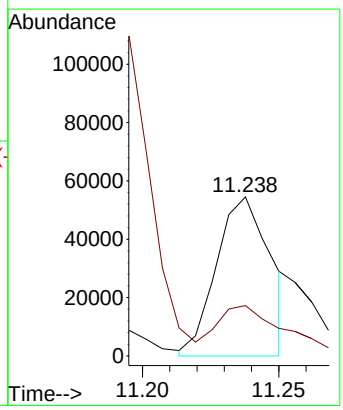


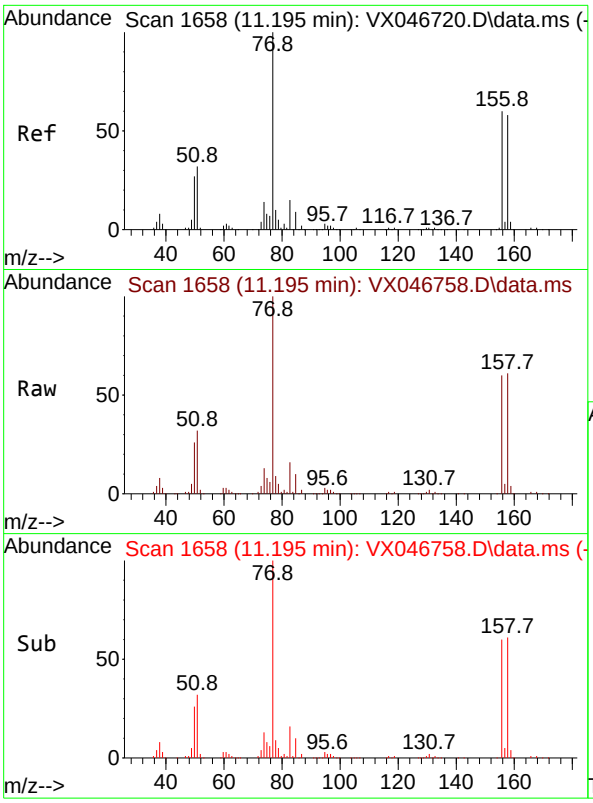




#76
1,2,3-Trichloropropane
Concen: 42.194 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 74859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.2 | 18.5 | 55.5 |

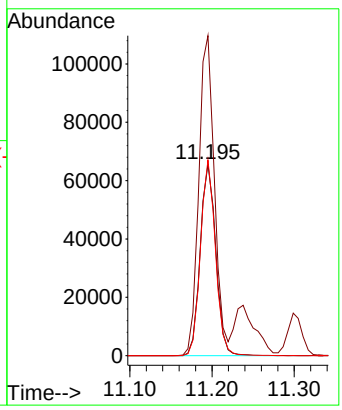





#77
Bromobenzene
Concen: 50.284 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:156 Resp: 8632

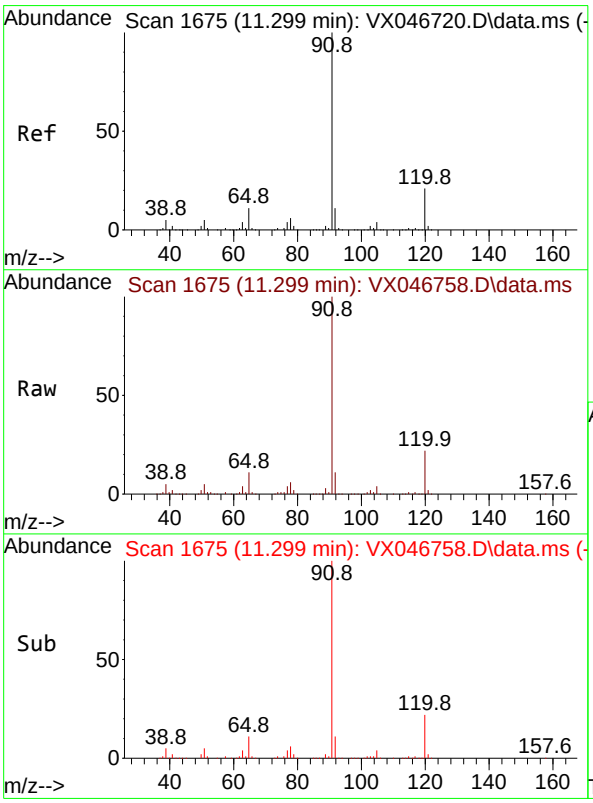
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.7 | 82.8 | 248.6 |
| 158 | 98.3 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

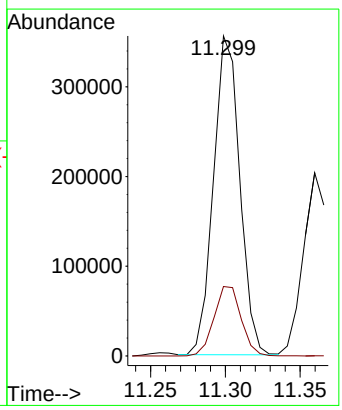
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

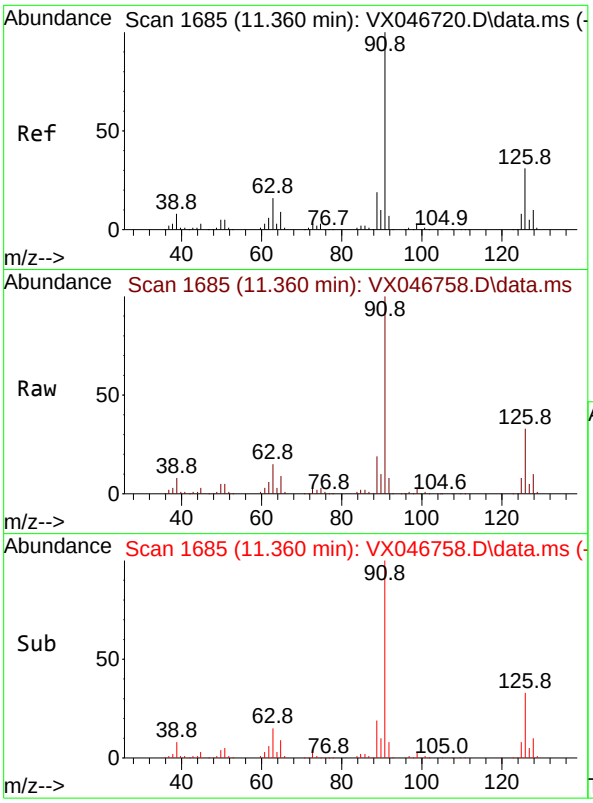



#78
n-propylbenzene
Concen: 51.296 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 434668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |

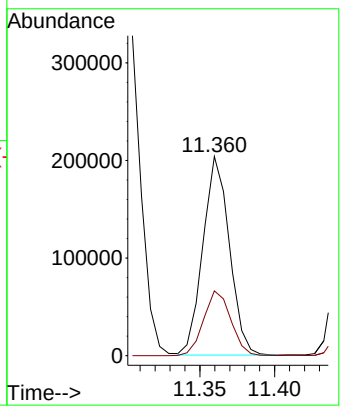





#79
2-Chlorotoluene
Concen: 49.529 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 25058

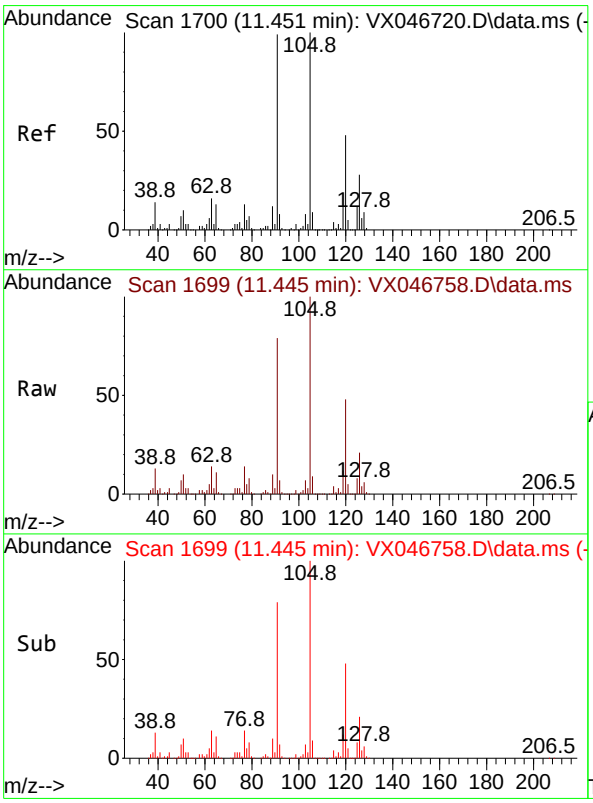
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

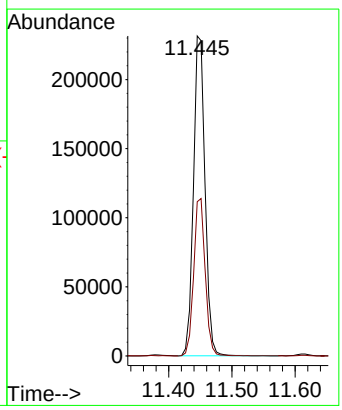
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

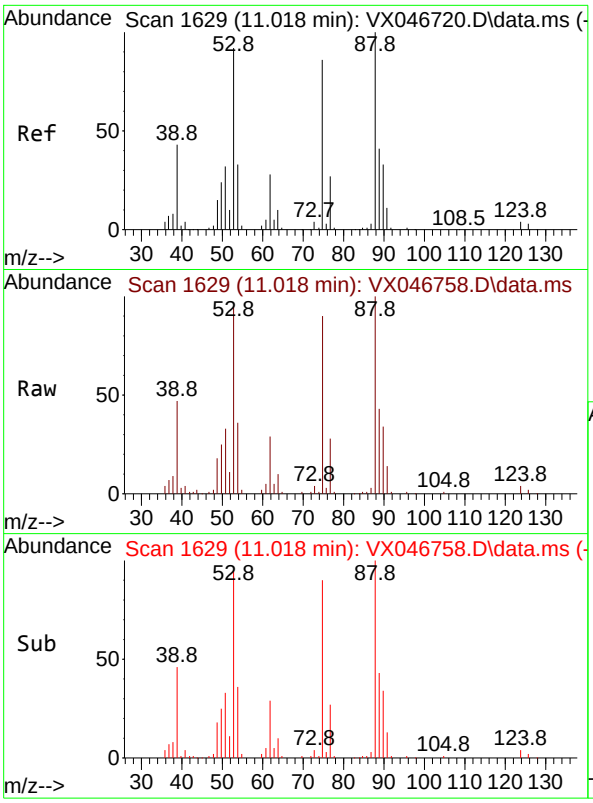



#80
1,3,5-Trimethylbenzene
Concen: 50.244 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:105 Resp: 294565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.1 | 24.1 | 72.2 |

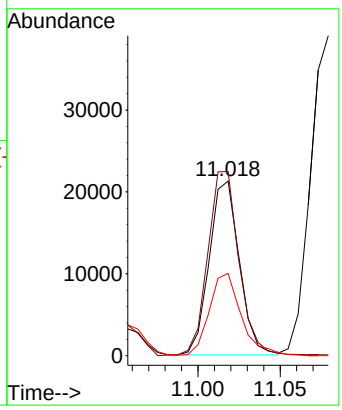





#81
trans-1,4-Dichloro-2-butene
Concen: 43.036 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 2701

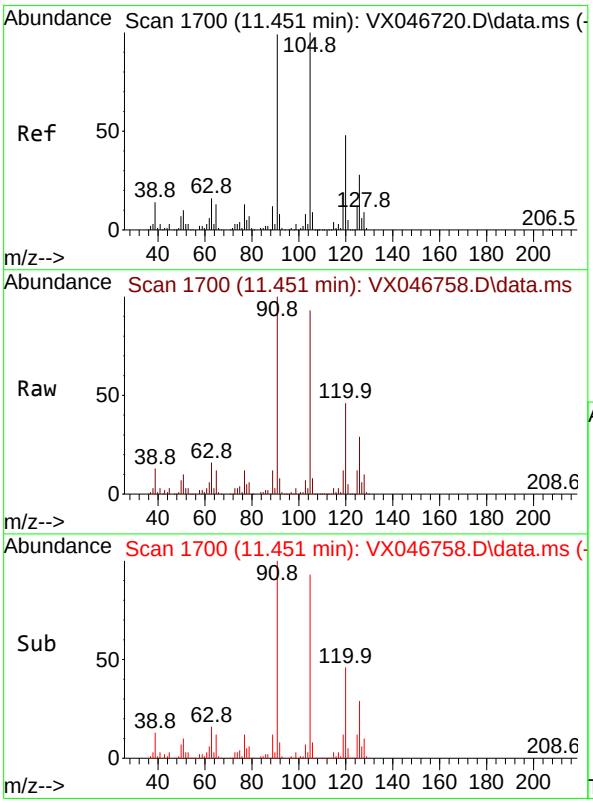
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.1 | 86.8 | 130.2 |
| 89 | 50.3 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

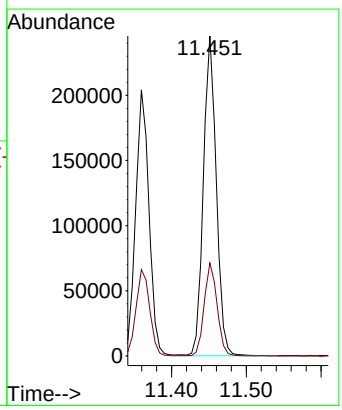
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

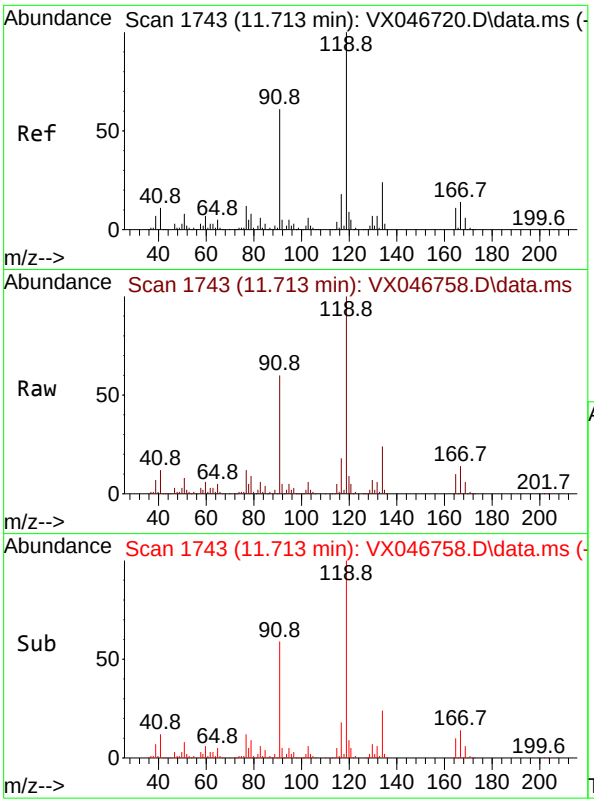



#82
4-Chlorotoluene
Concen: 49.875 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 294491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |

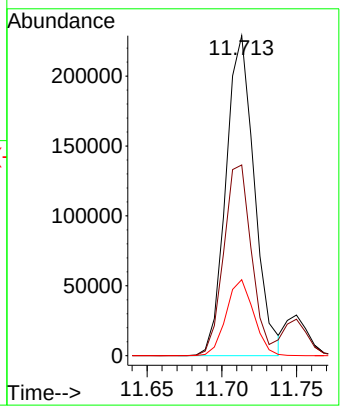





#83
tert-Butylbenzene
Concen: 49.891 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:119 Resp: 30234

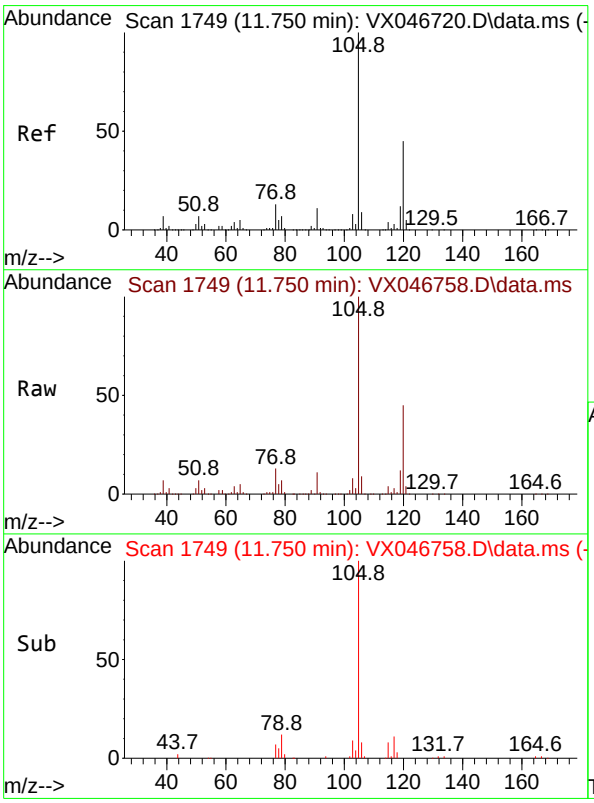
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.1 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

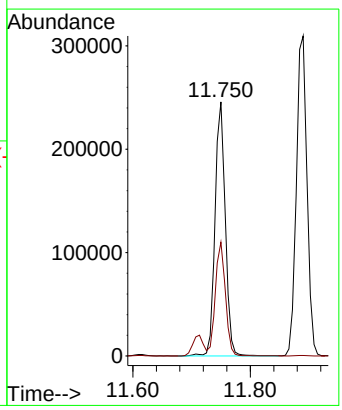
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

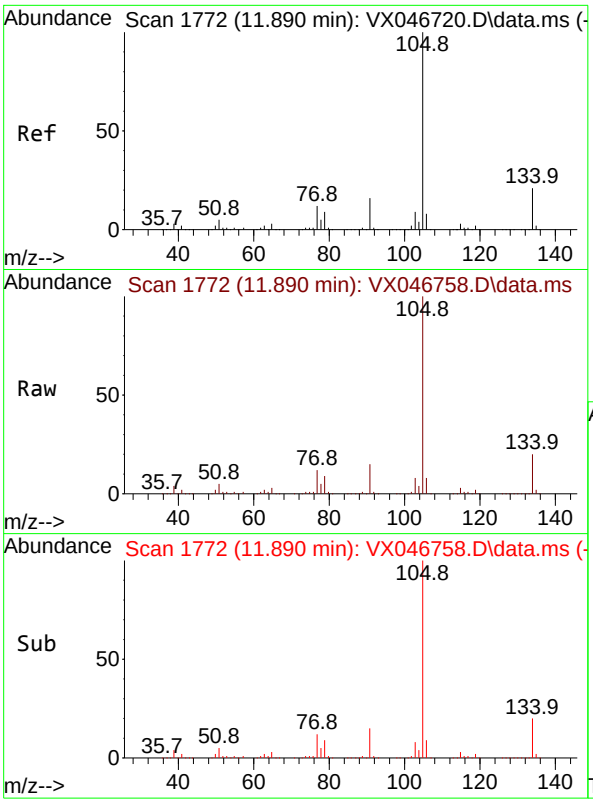



#84
1,2,4-Trimethylbenzene
Concen: 50.692 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:105 Resp: 298590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.3 |






#85
sec-Butylbenzene
Concen: 50.841 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

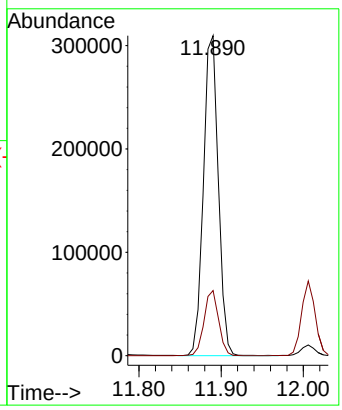
Tgt Ion:105 Resp: 38938

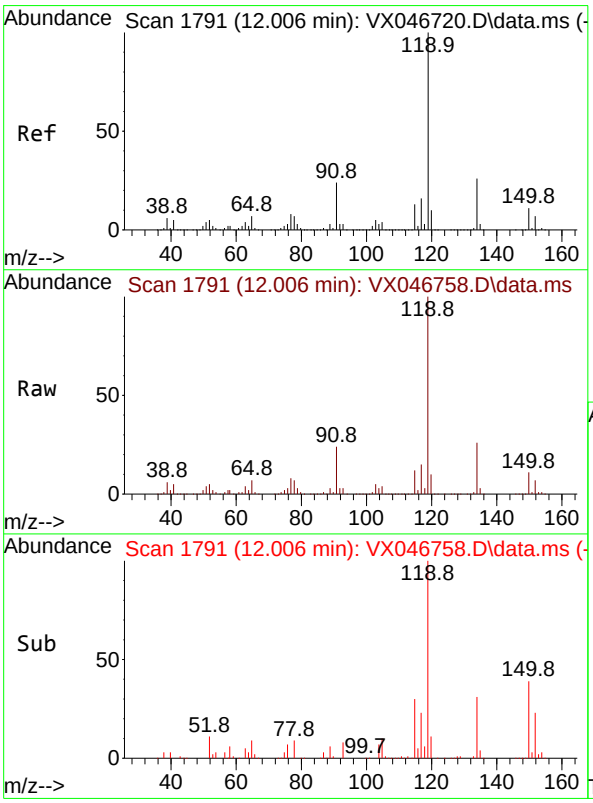
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

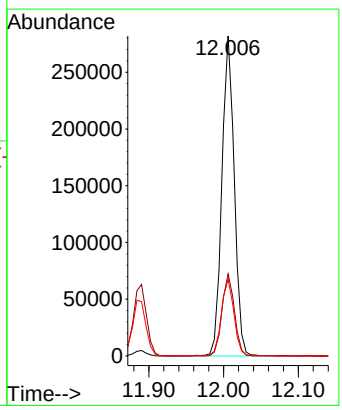


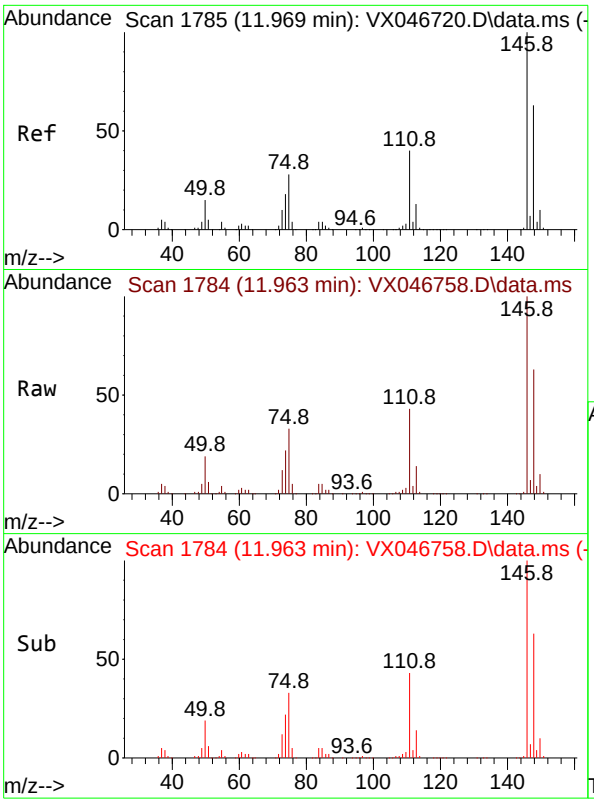




#86
p-Isopropyltoluene
Concen: 50.214 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:119 Resp: 324490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.9 | 38.7 |
| 91 | 24.3 | 12.3 | 36.9 |

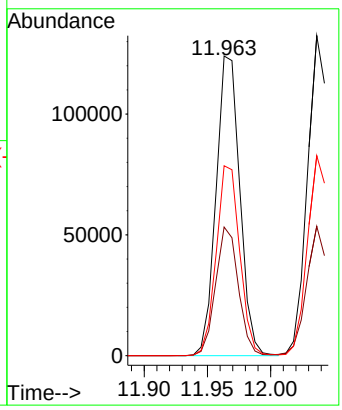





#87
1,3-Dichlorobenzene
Concen: 48.338 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:146 Resp: 16180

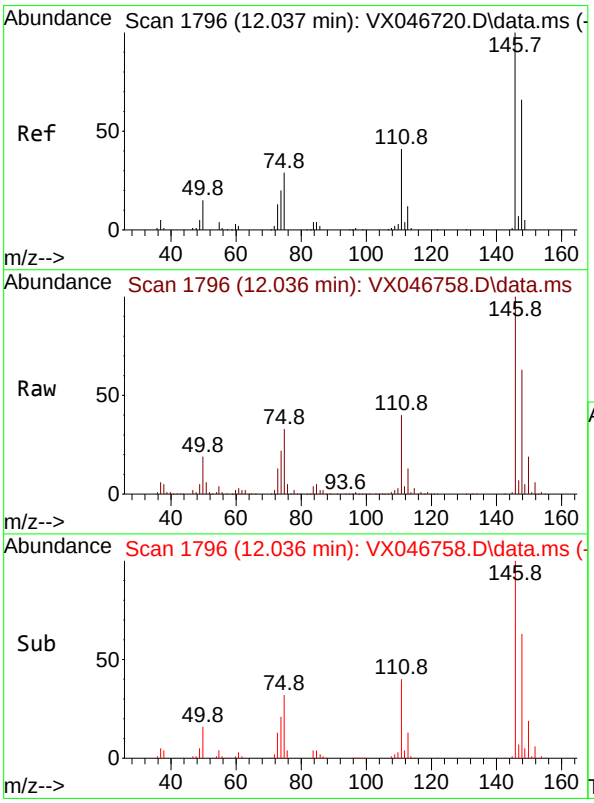
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 62.8 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

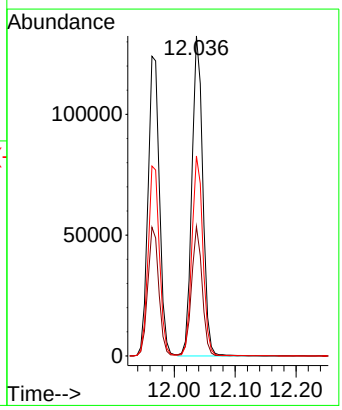
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

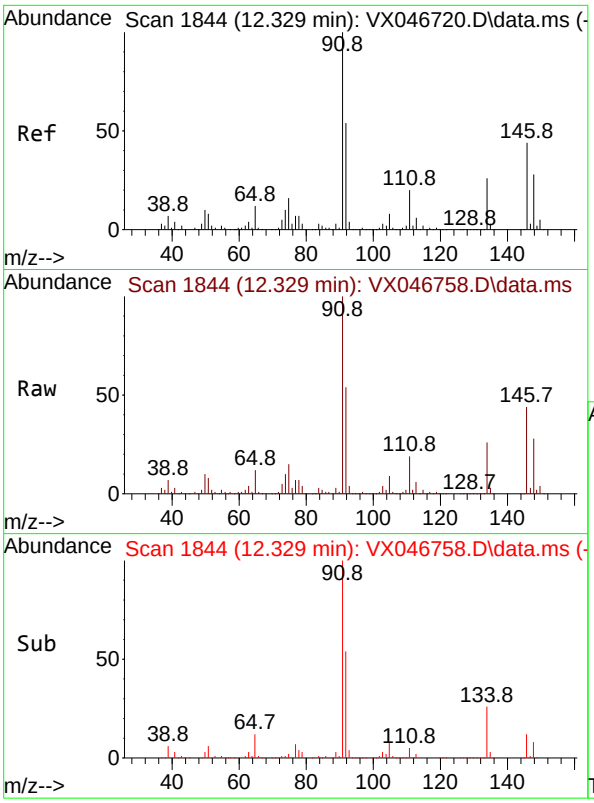



#88
1,4-Dichlorobenzene
Concen: 47.705 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:146 Resp: 164023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.3 | 61.0 |
| 148 | 62.4 | 32.1 | 96.5 |

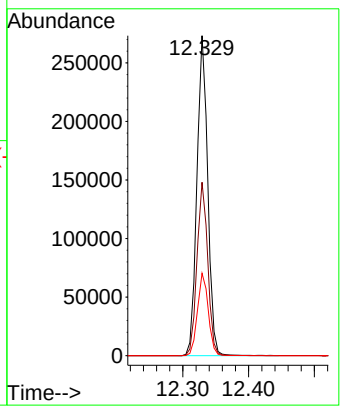





#89
n-Butylbenzene
Concen: 50.550 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 31015

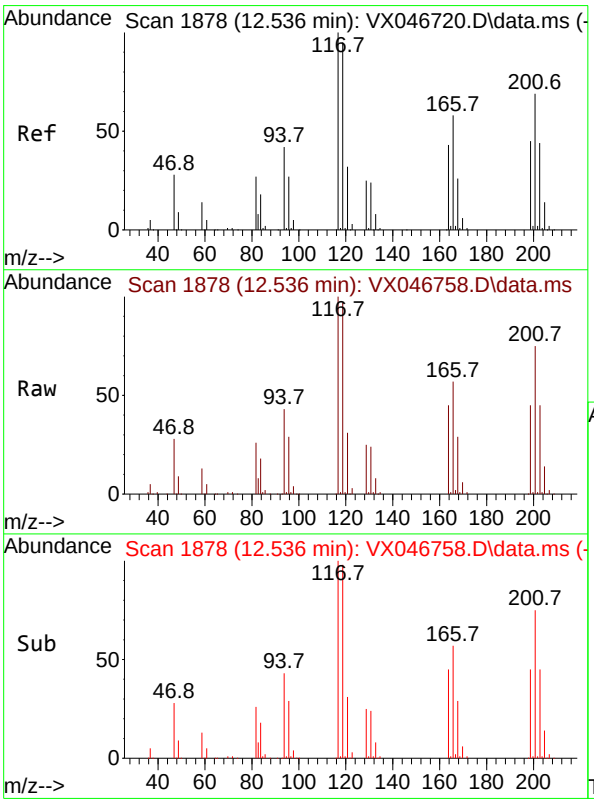
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.1 | 27.1 | 81.3 |
| 134 | 25.9 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

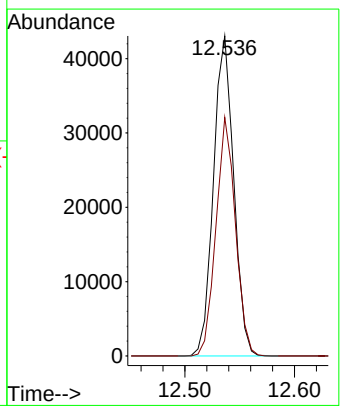
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

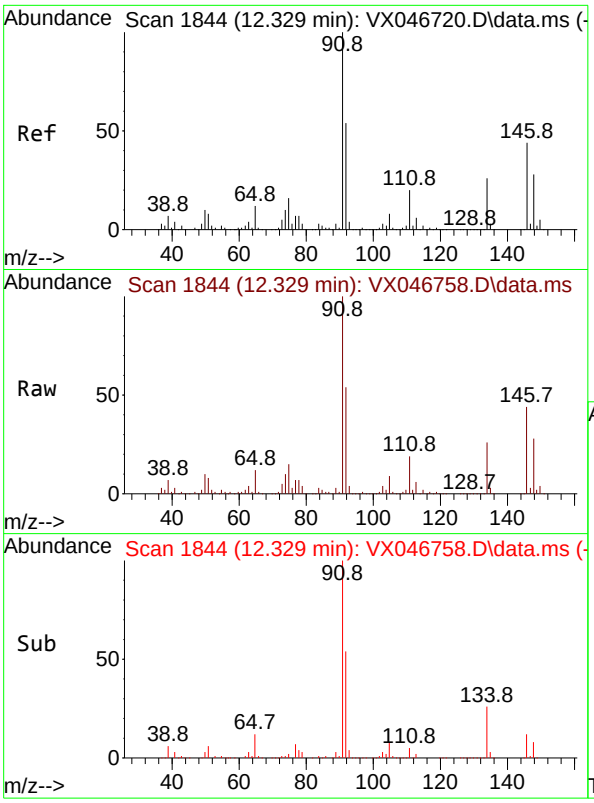



#90
Hexachloroethane
Concen: 48.837 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:117 Resp: 55264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.8 | 34.4 | 103.3 |

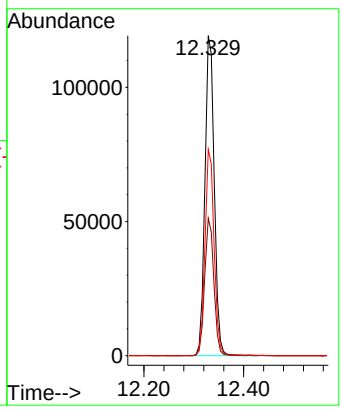





#91
1,2-Dichlorobenzene
Concen: 49.496 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:146 Resp: 15483

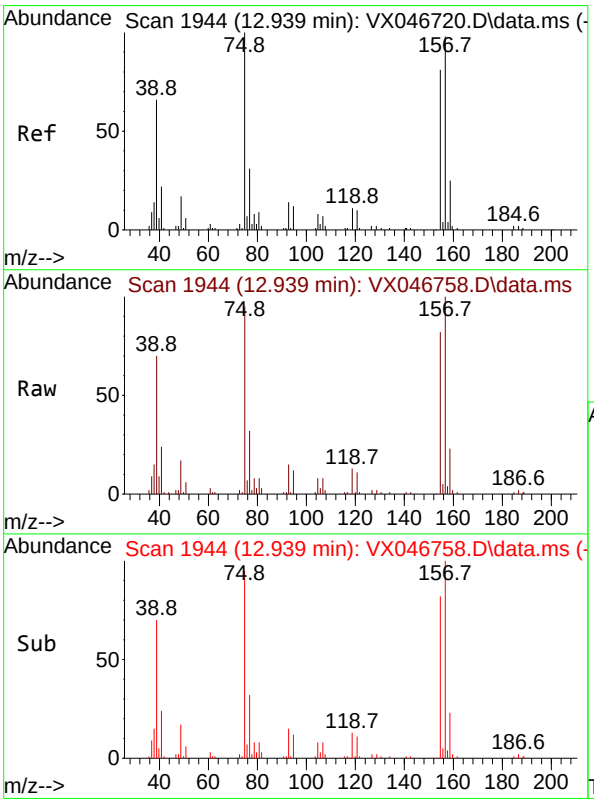
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.7 | 65.1 |
| 148 | 63.1 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

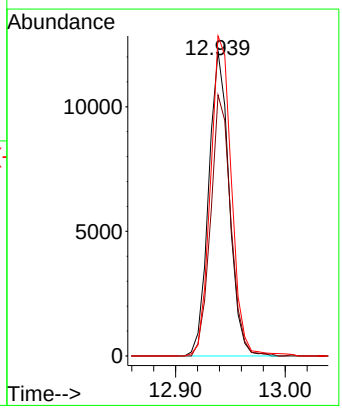
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

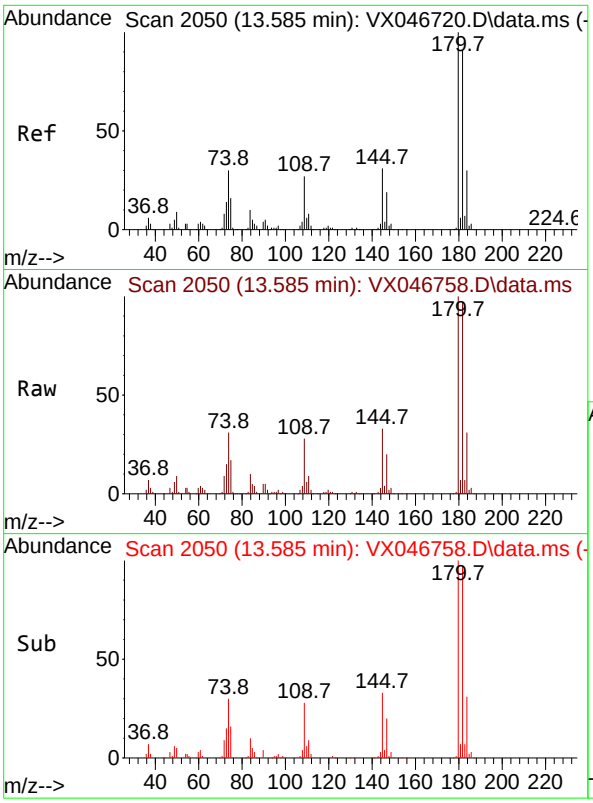



#92
1,2-Dibromo-3-Chloropropane
Concen: 40.348 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 15868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 41.9 | 125.7 |
| 157 | 107.9 | 51.4 | 154.3 |

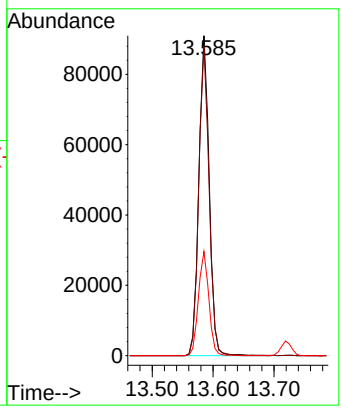





#93
1,2,4-Trichlorobenzene
Concen: 48.410 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:180 Resp: 10766

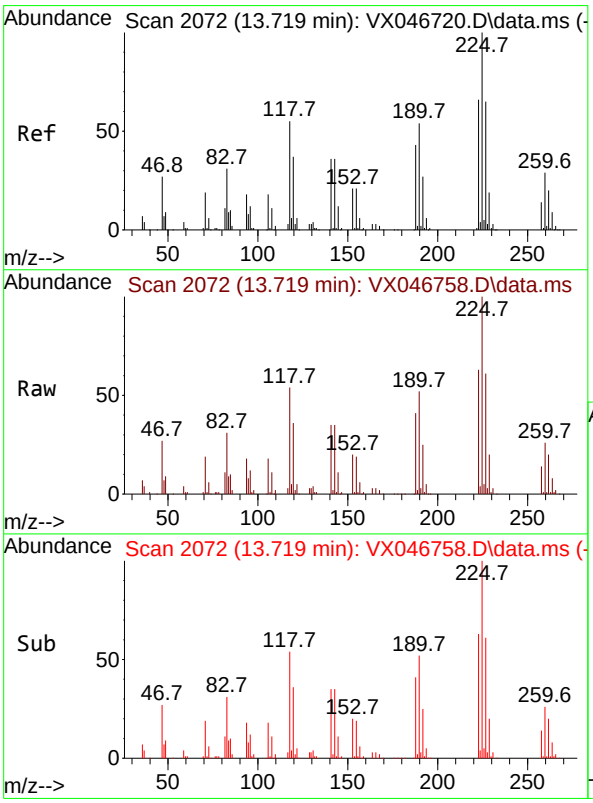
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.7 | 140.1 |
| 145 | 32.7 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

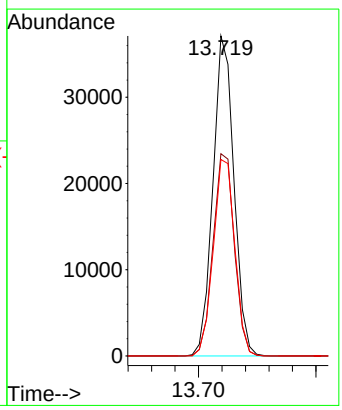
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

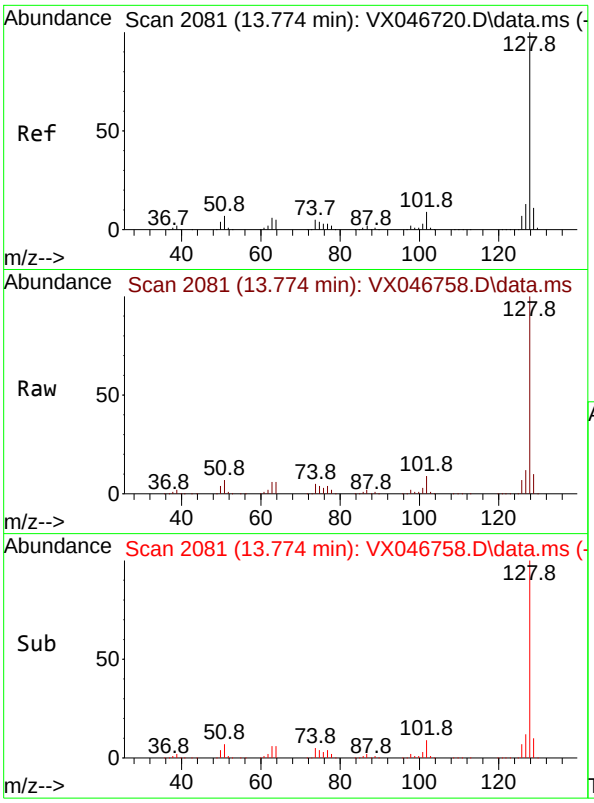



#94
Hexachlorobutadiene
Concen: 49.207 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:225 Resp: 46034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.5 | 97.5 |
| 227 | 63.2 | 32.2 | 96.6 |

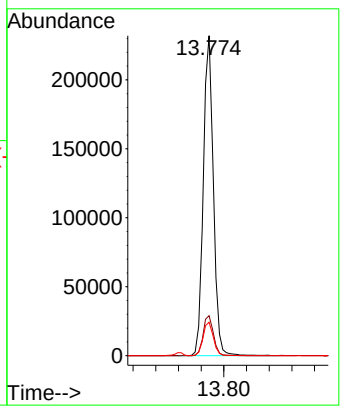





#95
Naphthalene
Concen: 45.216 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:128 Resp: 28649

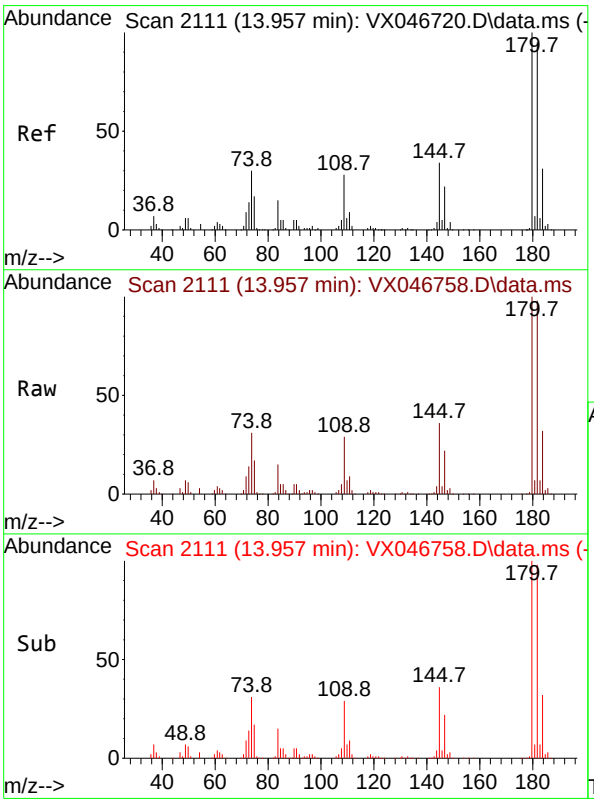
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

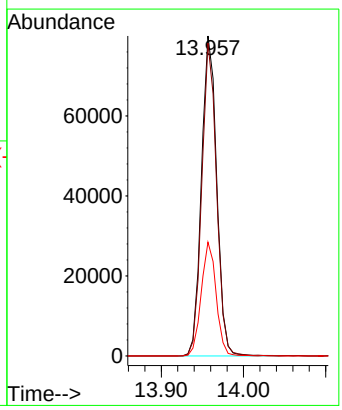
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 48.453 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:180 Resp: 103088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 47.8 | 143.4 |
| 145 | 34.7 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 111 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.565 | -5.8 | 108 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.595 | -3.3 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.641 | -4.4# | 112 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.384 | -11.0 | 116 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.387 | -4.0 | 114 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.957 | -2.6 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.324 | -1.3 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.592 | -3.5 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.692 | -7.8 | 118 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.039 | 37.1# | 70 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.572 | -3.6# | 112 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.073 | 18.9 | 93 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 0.995 | 0.6 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.237 | 15.1 | 93 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.185 | 19.9 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.595 | 4.4 | 111 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.480 | 18.1 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.569 | 8.8 | 100 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.618 | 3.6 | 113 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.587 | 0.7 | 111 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.968 | -2.3 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.463 | 4.3 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.081 | 1.0 | 110 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.263 | 19.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.823 | -3.4 | 120 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.686 | 1.2 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.476 | 3.8 | 109 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.169 | 19.9 | 87 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.093 | -0.1# | 109 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 1.018 | 1.7 | 112 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.939 | 2.0 | 109 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.639 | 7.7 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.327 | 1.2 | 112 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.473 | 1.0 | 109 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.354 | 19.7 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.515 | 0.6 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.626 | 0.3 | 109 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.415 | -0.1 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.213 | 9.4 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.481 | 3.2 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.592 | 14.2 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.357 | 0.8 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.353 | -0.9# | 112 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.238 | 5.6 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.521 | -1.4 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.314 | 9.2 | 93 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 0.004 | 0.004 | 0.0 | 81 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.166 | 1.9 | 112 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.339 | 17.5 | 87 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.877 | -0.1# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.481 | -0.8 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.545 | -0.7 | 109 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.311 | 4.9 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.442 | 8.3 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.544 | 3.2 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.249 | 0.4 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.229 | 19.4 | 85 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.377 | 2.1 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.317 | 4.5 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.433 | 2.3 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.344 | 0.6 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.089 | 1.4 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.373 | -0.5 | 110 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.918 | 0.6# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.724 | -0.7 | 110 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.687 | -2.1 | 109 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.192 | -1.1 | 109 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.263 | 6.7 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.747 | -1.8 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.247 | 10.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 0.933 | 9.2 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.773 | 15.6 | 85 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.891 | -0.6 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.487 | -2.6 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.587 | 0.9 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 3.041 | -0.5 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.279 | 13.9 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.040 | 0.3 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.121 | 0.2 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 3.082 | -1.4 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 4.020 | -1.7 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.350 | -0.4 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.670 | 3.4 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.693 | 4.6 | 111 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.202 | -1.1 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.571 | 2.2 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.598 | 1.1 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.164 | 19.2 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.111 | 3.2 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.475 | 1.7 | 108 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 2.958 | 9.5 | 96 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 1.098 | 1.064 | 3.1 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 111 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.964 | -5.9 | 108 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.662 | -3.3 | 112 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.141 | -4.3# | 112 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.612 | -11.2 | 116 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.957 | -3.9 | 114 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.280 | -2.6 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.670 | -1.3 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.691 | -3.4 | 114 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.429 | 3.1 | 118 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 157.262 | 37.1# | 70 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.759 | -3.5# | 112 | 0.00 |
| 13 | T | Acrolein | 250.000 | 202.026 | 19.2 | 93 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.722 | 0.6 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 212.474 | 15.0 | 93 | 0.00 |
| 16 | T | Acetone | 250.000 | 200.776 | 19.7 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.820 | 4.4 | 111 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 40.975 | 18.0 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.628 | 8.7 | 100 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.158 | 3.7 | 113 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.698 | 0.6 | 111 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.162 | -2.3 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 239.105 | 4.4 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.484 | 1.0 | 110 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 201.795 | 19.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.672 | -3.3 | 120 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.415 | 1.2 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.047 | 3.9 | 109 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 200.958 | 19.6 | 87 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.036 | -0.1# | 109 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.142 | 1.7 | 112 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.003 | 2.0 | 109 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.187 | 7.6 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.476 | 1.0 | 112 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.493 | 1.0 | 109 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 40.121 | 19.8 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.715 | 0.6 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.848 | 0.3 | 109 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.074 | -0.1 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.417 | 9.2 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.452 | 3.1 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.935 | 14.1 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.599 | 0.8 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.385 | -0.8# | 112 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.295 | 5.4 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.703 | -1.4 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.316 | 9.4 | 93 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 714.909 | 28.5# | 81 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.067 | 1.9 | 112 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 205.777 | 17.7 | 87 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.025 | -0.0# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.420 | -0.8 | 108 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.333 | -0.7 | 109 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.614 | 4.8 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 45.899 | 8.2 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.408 | 3.2 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 248.797 | 0.5 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 201.475 | 19.4 | 85 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.021 | 2.0 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.653 | 4.7 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.823 | 2.4 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.587 | 0.8 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.352 | 1.3 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.304 | -0.6 | 110 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.719 | 0.6# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.703 | -0.7 | 110 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.004 | -2.0 | 109 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.573 | -1.1 | 109 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.470 | 7.1 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.881 | -1.8 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.699 | 10.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.350 | 9.3 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 42.194 | 15.6 | 85 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.284 | -0.6 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.296 | -2.6 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.529 | 0.9 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.244 | -0.5 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 43.036 | 13.9 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.875 | 0.3 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.891 | 0.2 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.692 | -1.4 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.841 | -1.7 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.214 | -0.4 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.338 | 3.3 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.705 | 4.6 | 111 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.550 | -1.1 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.837 | 2.3 | 106 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.496 | 1.0 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.348 | 19.3 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.410 | 3.2 | 107 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.207 | 1.6 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 45.216 | 9.6 | 96 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 48.453 | 3.1 | 107 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 17:10

Lab File ID: VX046775.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.534 | 0.573 | | 7.3 | 50 |
| Chloromethane | 0.576 | 0.601 | 0.1 | 4.34 | 50 |
| Vinyl Chloride | 0.614 | 0.661 | | 7.66 | 50 |
| Bromomethane | 0.346 | 0.382 | | 10.4 | 50 |
| Chloroethane | 0.372 | 0.413 | | 11.02 | 50 |
| Trichlorofluoromethane | 0.933 | 0.983 | | 5.36 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.572 | 0.614 | | 7.34 | 50 |
| 1,1-Dichloroethene | 0.552 | 0.592 | | 7.25 | 50 |
| Acetone | 0.231 | 0.223 | | -3.46 | 50 |
| Carbon Disulfide | 1.668 | 1.588 | | -4.8 | 50 |
| Methyl tert-butyl Ether | 1.720 | 1.740 | | 1.16 | 50 |
| Methyl Acetate | 0.586 | 0.608 | | 3.75 | 50 |
| Methylene Chloride | 0.641 | 0.645 | | 0.62 | 50 |
| trans-1,2-Dichloroethene | 0.591 | 0.612 | | 3.55 | 50 |
| 1,1-Dichloroethane | 1.092 | 1.144 | 0.1 | 4.76 | 50 |
| Cyclohexane | 1.036 | 1.061 | | 2.41 | 50 |
| 2-Butanone | 0.326 | 0.334 | | 2.45 | 50 |
| Carbon Tetrachloride | 0.518 | 0.513 | | -0.96 | 50 |
| cis-1,2-Dichloroethene | 0.694 | 0.729 | | 5.04 | 50 |
| Bromochloromethane | 0.495 | 0.513 | | 3.64 | 50 |
| Chloroform | 1.092 | 1.155 | | 5.77 | 50 |
| 1,1,1-Trichloroethane | 0.958 | 0.973 | | 1.57 | 50 |
| Methylcyclohexane | 0.628 | 0.645 | | 2.71 | 50 |
| Benzene | 1.413 | 1.472 | | 4.18 | 50 |
| 1,2-Dichloroethane | 0.497 | 0.505 | | 1.61 | 50 |
| Trichloroethene | 0.360 | 0.369 | | 2.5 | 50 |
| 1,2-Dichloropropane | 0.350 | 0.363 | | 3.71 | 50 |
| Bromodichloromethane | 0.514 | 0.529 | | 2.92 | 50 |
| 4-Methyl-2-Pentanone | 0.411 | 0.419 | | 1.95 | 50 |
| Toluene | 0.876 | 0.902 | | 2.97 | 50 |
| t-1,3-Dichloropropene | 0.477 | 0.490 | | 2.72 | 50 |
| cis-1,3-Dichloropropene | 0.541 | 0.565 | | 4.44 | 50 |
| 1,1,2-Trichloroethane | 0.327 | 0.339 | | 3.67 | 50 |
| 2-Hexanone | 0.284 | 0.287 | | 1.06 | 50 |
| Dibromochloromethane | 0.385 | 0.396 | | 2.86 | 50 |
| 1,2-Dibromoethane | 0.332 | 0.339 | | 2.11 | 50 |
| Tetrachloroethene | 0.346 | 0.348 | | 0.58 | 50 |
| Chlorobenzene | 1.104 | 1.134 | 0.3 | 2.72 | 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.: Q2345 SAS No.: Q2345 SDG No.: Q2345

Instrument ID: MSVOA_X Calibration Date/Time: 06/19/2025 17:10

Lab File ID: VX046775.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.929 | 1.995 | | 3.42 | 50 |
| m/p-Xylenes | 0.719 | 0.745 | | 3.62 | 50 |
| o-Xylene | 0.673 | 0.716 | | 6.39 | 50 |
| Styrene | 1.179 | 1.253 | | 6.28 | 50 |
| Bromoform | 0.282 | 0.283 | 0.1 | 0.35 | 50 |
| Isopropylbenzene | 3.682 | 3.814 | | 3.59 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.028 | 1.047 | 0.3 | 1.85 | 50 |
| 1,3-Dichlorobenzene | 1.728 | 1.702 | | -1.5 | 50 |
| 1,4-Dichlorobenzene | 1.775 | 1.686 | | -5.01 | 50 |
| 1,2-Dichlorobenzene | 1.615 | 1.619 | | 0.25 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.203 | 0.194 | | -4.43 | 50 |
| 1,2,4-Trichlorobenzene | 1.148 | 1.143 | | -0.44 | 50 |
| 1,2,3-Trichlorobenzene | 1.098 | 1.103 | | 0.46 | 50 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.648 | | -6.36 | 50 |
| Dibromofluoromethane | 0.331 | 0.320 | | -3.32 | 50 |
| Toluene-d8 | 1.189 | 1.138 | | -4.29 | 50 |
| 4-Bromofluorobenzene | 0.443 | 0.431 | | -2.71 | 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\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 129409 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 216626 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190720 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95668 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 83815 | 46.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.660% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 69249 | 48.316 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.640% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 246552 | 47.880 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93266 | 48.588 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.180% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 74095 | 53.629 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 77768 | 52.149 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 85590 | 53.822 | ug/l | 98 |
| 5) Bromomethane | 1.618 | 94 | 49377 | 55.188 | ug/l | 95 |
| 6) Chloroethane | 1.703 | 64 | 53474 | 55.480 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 127152 | 52.659 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 44616 | 53.840 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 79479 | 53.654 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 85230 | 46.314 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 35007 | 217.898 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 76619 | 53.603 | ug/l | 98 |
| 13) Acrolein | 2.245 | 56 | 69969 | 298.999 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 137304 | 53.017 | ug/l | 98 |
| 15) Acrylonitrile | 3.075 | 53 | 185932 | 257.376 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 144349 | 241.828 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 205491 | 47.607 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 78667 | 51.889 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 225140 | 50.585 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 83440 | 50.266 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 79204 | 51.786 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 270205 | 54.281 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 1055978 | 266.763 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 148012 | 52.369 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 216354 | 256.282 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 106712 | 51.768 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 94359 | 52.513 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 66329 | 51.765 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 139493 | 255.819 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 149506 | 52.894 | ug/l | 95 |
| 31) Cyclohexane | 5.477 | 56 | 137290 | 51.222 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 125889 | 50.784 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 105895 | 51.182 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 92088 | 48.219 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111211 | 49.529 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 139618 | 51.281 | ug/l | 99 |
| 40) Benzene | 6.050 | 78 | 318931 | 52.086 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 55058 | 54.078 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 109435 | 50.860 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 151380 | 50.655 | ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 79977 | 51.252 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 78602 | 51.797 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 54750 | 50.201 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 114561 | 51.475 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 80176 | 53.494 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 19434 | 894.415 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 453562 | 254.472 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 195403 | 51.477 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 106195 | 51.427 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 122494 | 52.254 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 73528 | 51.978 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109987 | 52.671 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 125247 | 51.414 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 321699 | 296.571 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 310545 | 252.021 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 85854 | 51.500 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 73504 | 51.083 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 66307 | 50.181 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 216318 | 51.382 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 72835 | 51.476 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 380469 | 51.722 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284342 | 103.739 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 136531 | 53.151 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 238877 | 53.139 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54055 | 50.164 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 364838 | 51.780 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 134737 | 50.472 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 100156 | 50.908 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 81274m | 46.384 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 87850 | 51.813 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 432963 | 51.735 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 249407 | 49.914 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 298594 | 51.570 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29148 | 47.021 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 293281 | 50.293 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 304194 | 50.825 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 302076 | 51.927 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 387895 | 51.281 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 325914 | 51.067 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 162851 | 49.259 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 161313 | 47.505 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 308844 | 50.967 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 54659 | 48.908 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 154918 | 50.145 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18542 | 47.738 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 109313 | 49.769 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 45830 | 49.603 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 313462 | 50.093 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105543 | 50.228 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

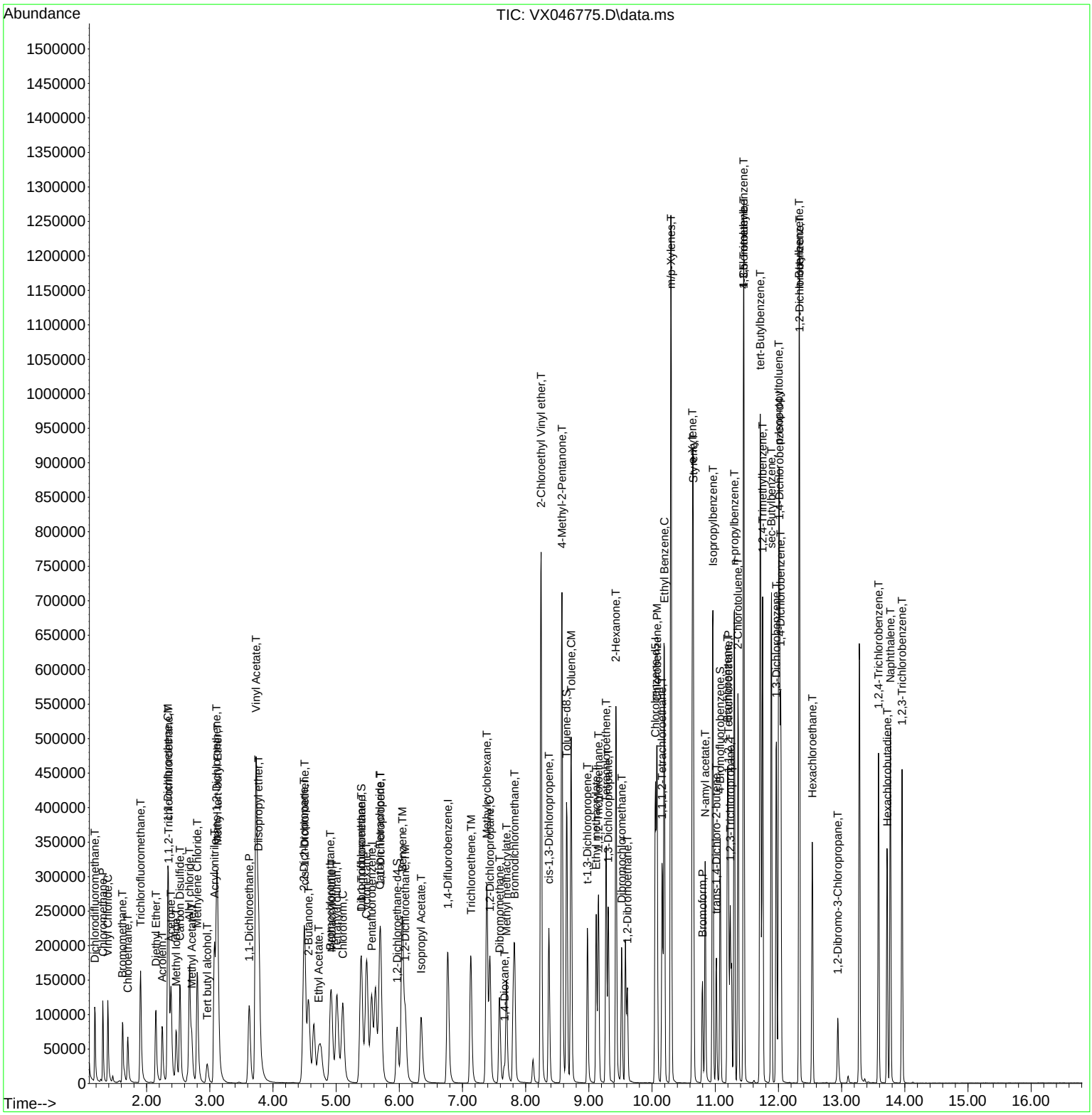
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

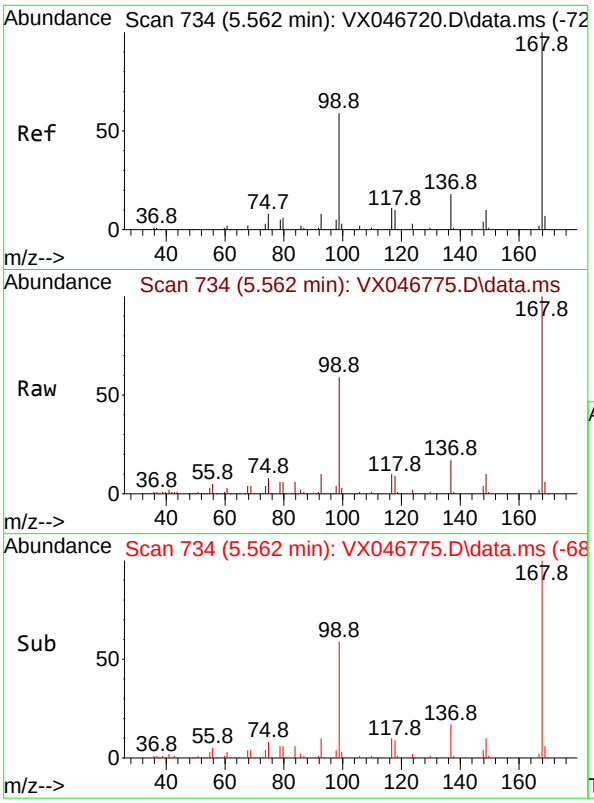
Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

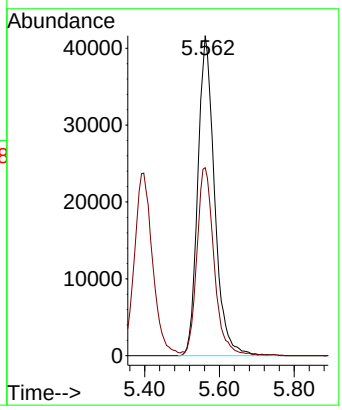





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:168 Resp: 12940

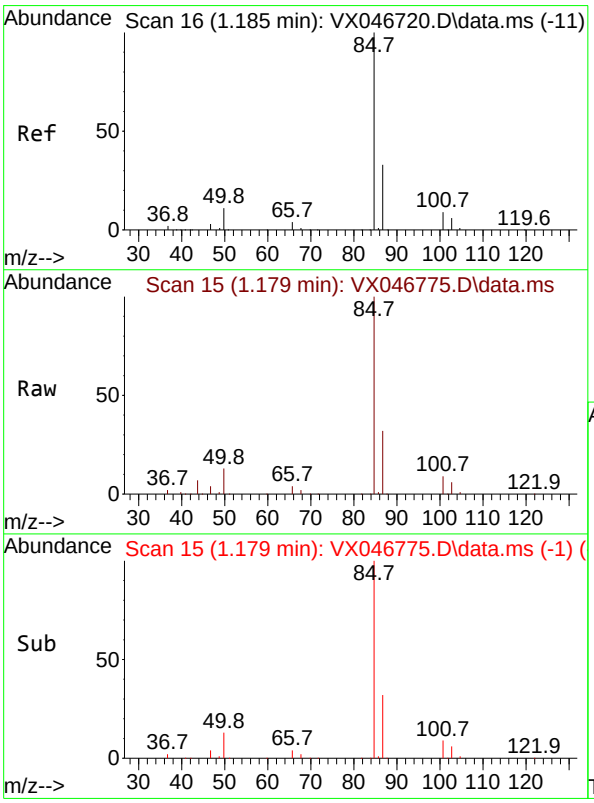
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.5 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

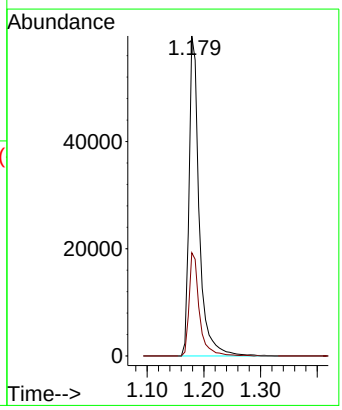
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

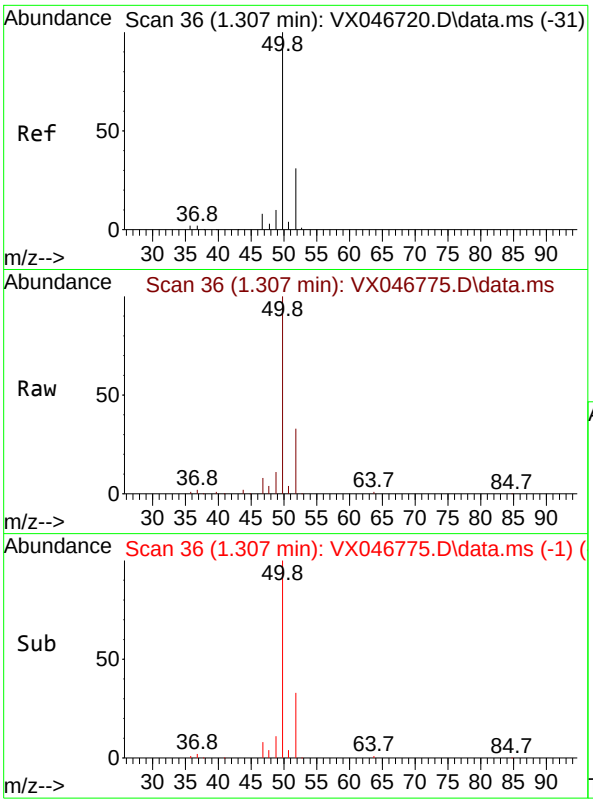



#2
Dichlorodifluoromethane
Concen: 53.629 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 85 Resp: 74095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |

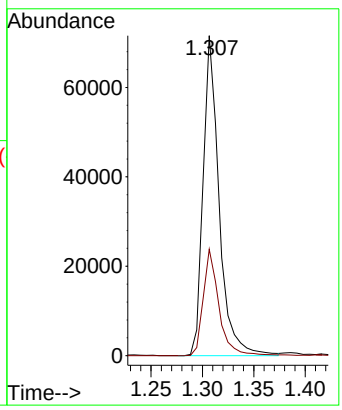





#3
Chloromethane
Concen: 52.149 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 50 Resp: 7776

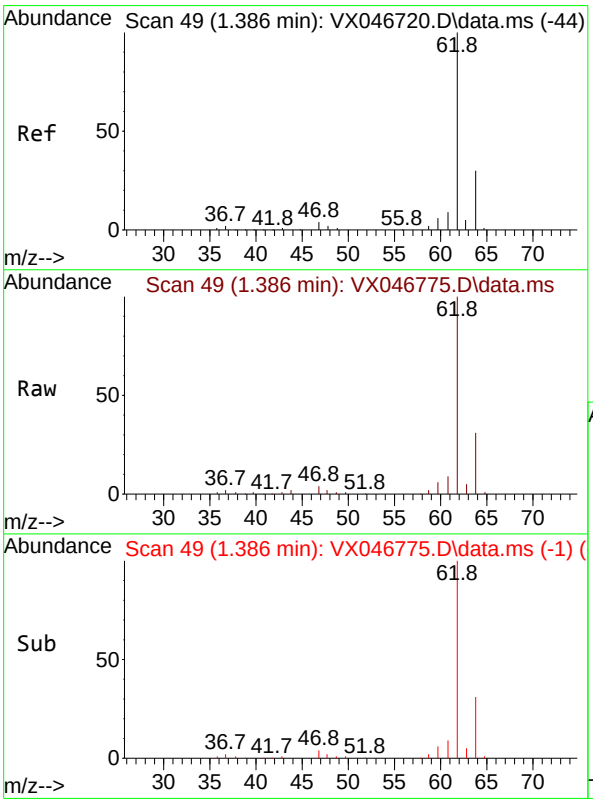
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

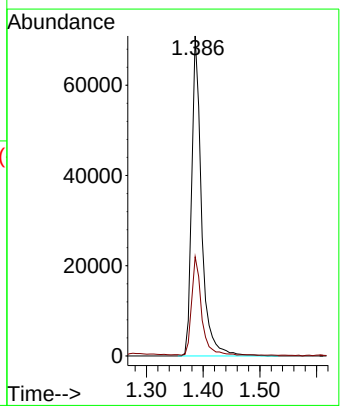
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

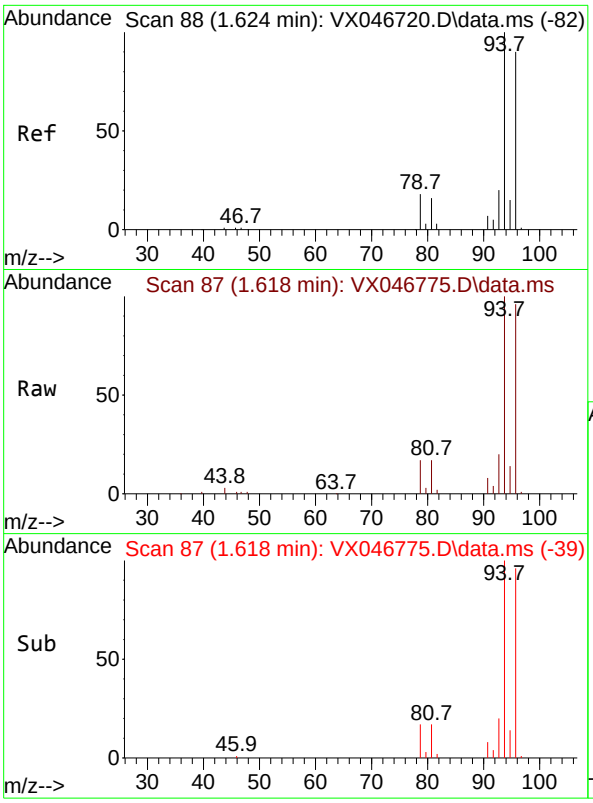



#4
Vinyl Chloride
Concen: 53.822 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 62 Resp: 85590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 23.9 | 35.9 |

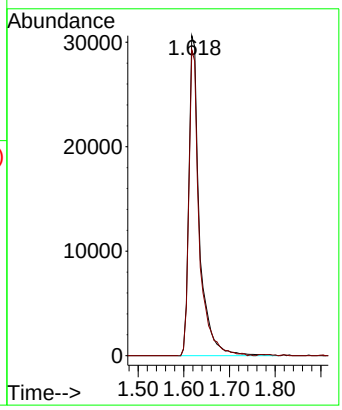





#5
Bromomethane
Concen: 55.188 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 94 Resp: 4937

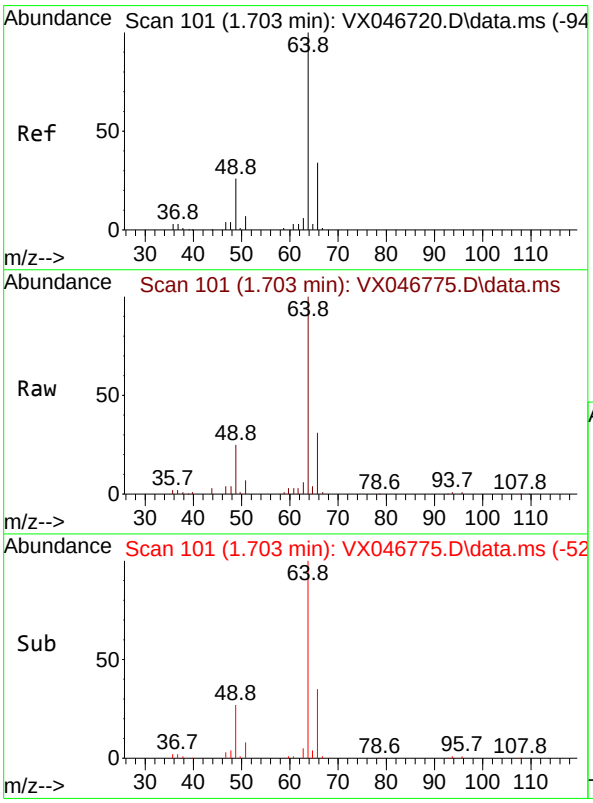
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

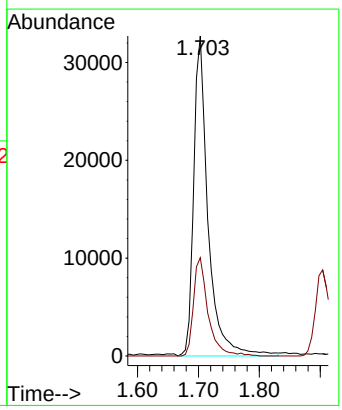
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

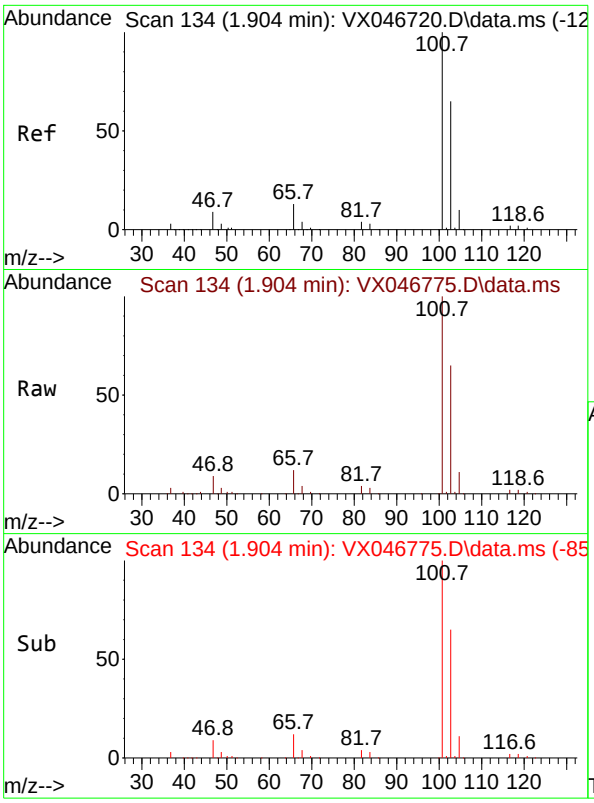



#6
Chloroethane
Concen: 55.480 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 64 Resp: 53474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 27.1 | 40.7 |

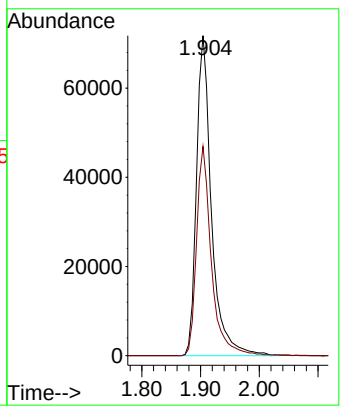





#7
Trichlorofluoromethane
Concen: 52.659 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:101 Resp: 12715

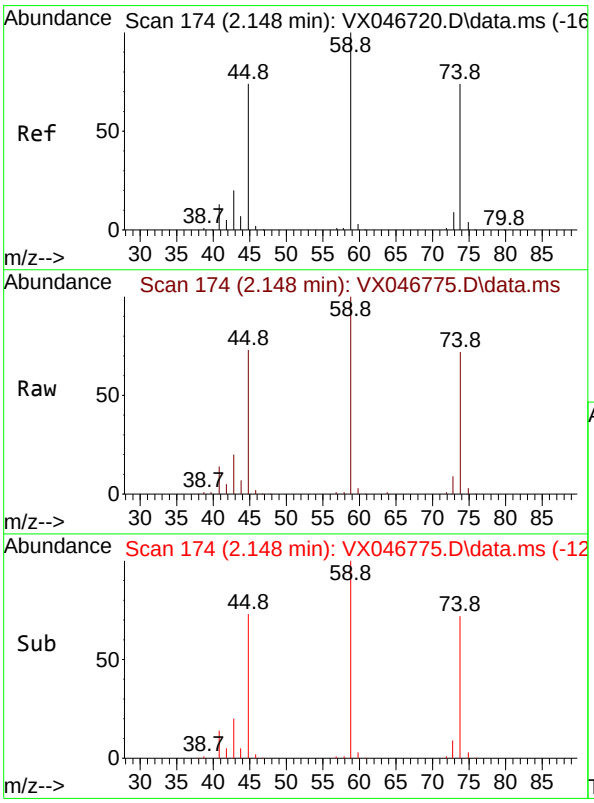
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

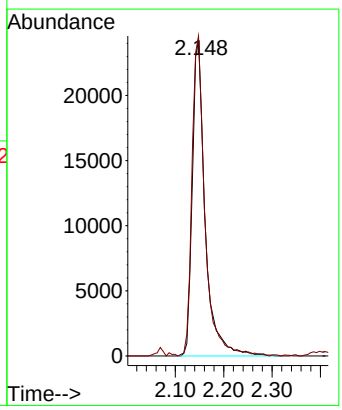
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

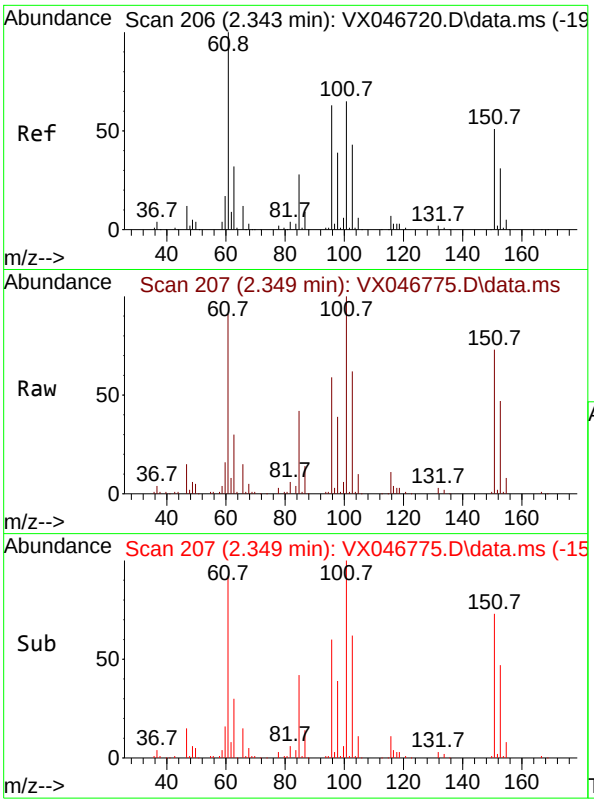



#8
Diethyl Ether
Concen: 53.840 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 74 Resp: 44616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.7 | 52.3 | 157.1 |

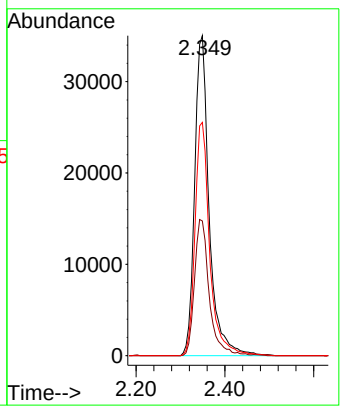





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.654 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:101 Resp: 7947

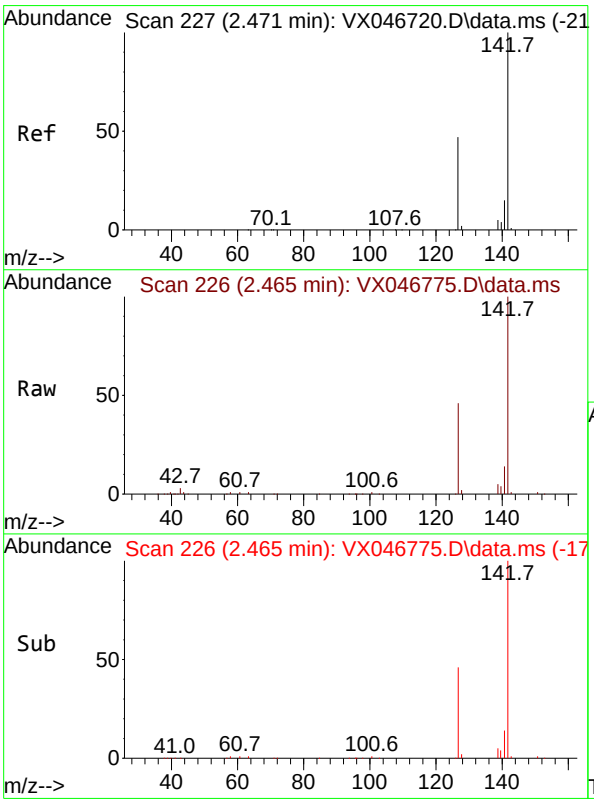
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.4 | 53.0 |
| 151 | 74.1 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

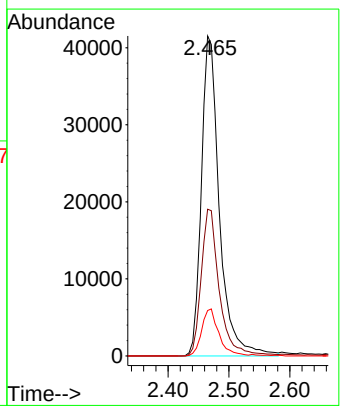
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

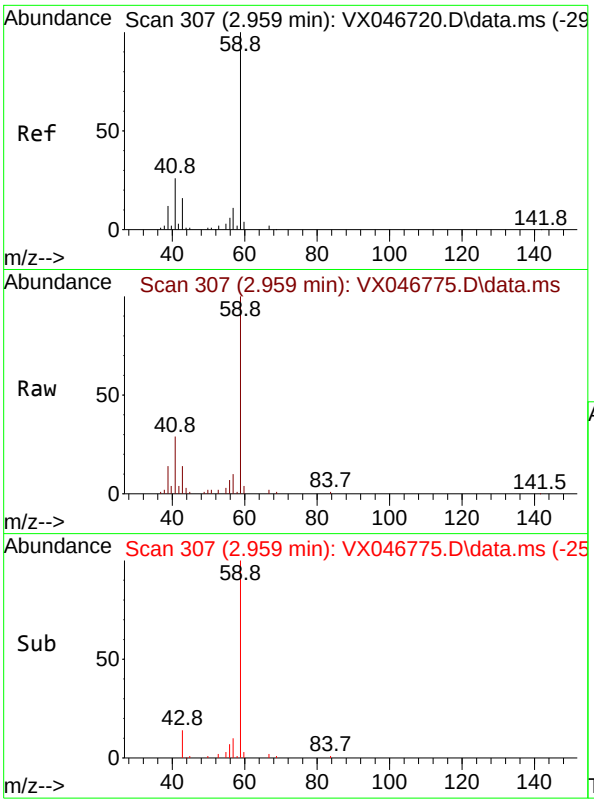



#10
Methyl Iodide
Concen: 46.314 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:142 Resp: 85230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.1 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |

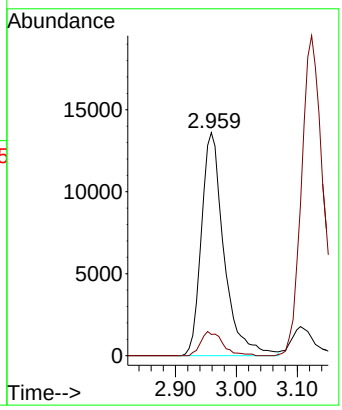





#11
Tert butyl alcohol
Concen: 217.898 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 59 Resp: 3500

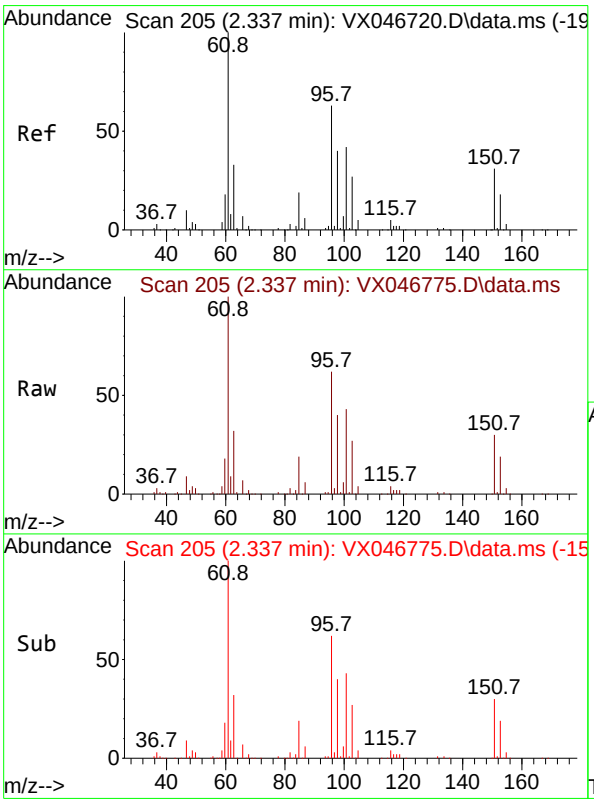
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

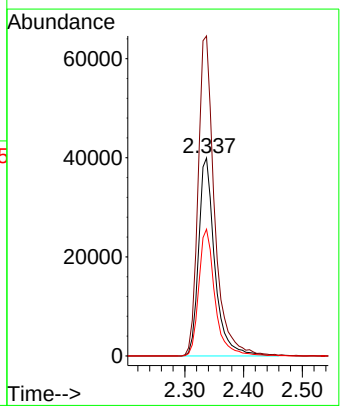
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

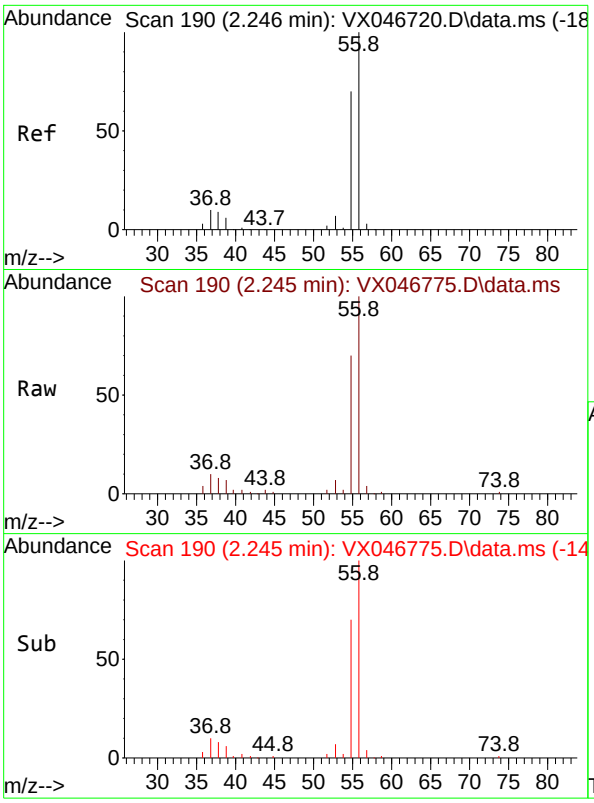



#12
1,1-Dichloroethene
Concen: 53.603 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 96 Resp: 76619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.7 | 126.6 | 189.8 |
| 98 | 64.0 | 50.7 | 76.1 |

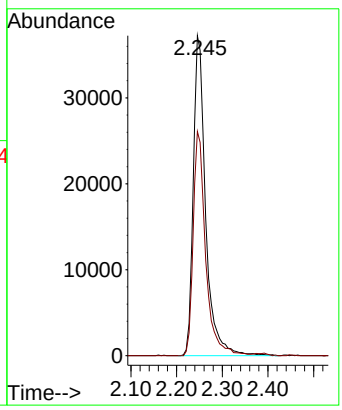





#13
Acrolein
Concen: 298.999 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 56 Resp: 6996

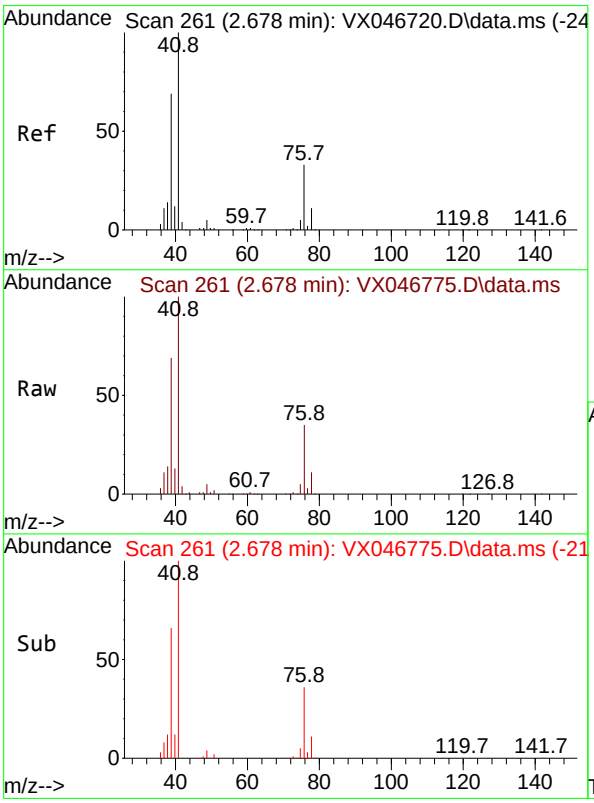
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

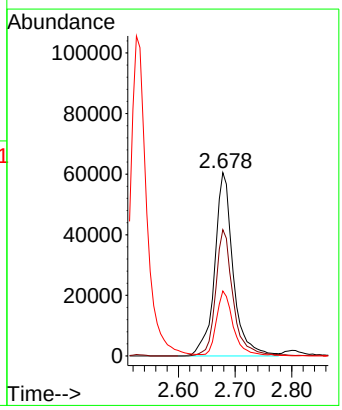
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

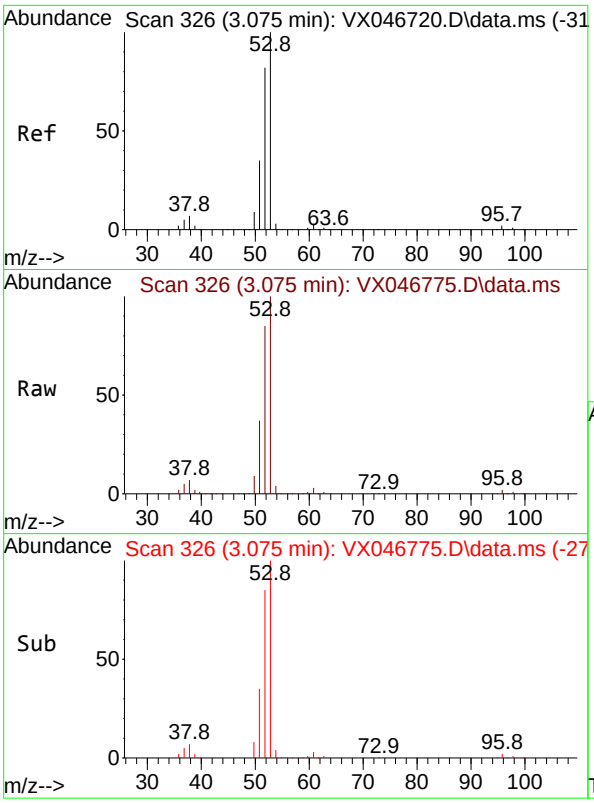



#14
Allyl chloride
Concen: 53.017 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 41 Resp: 137304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.0 | 53.6 | 80.4 |
| 76 | 32.3 | 26.8 | 40.2 |






#15
Acrylonitrile
Concen: 257.376 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

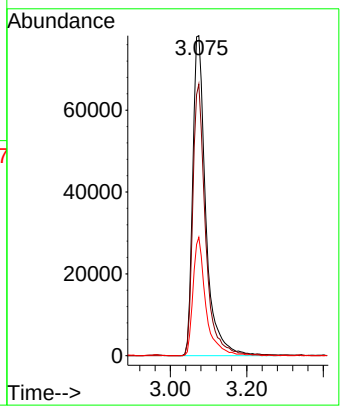
Tgt Ion: 53 Resp: 18593

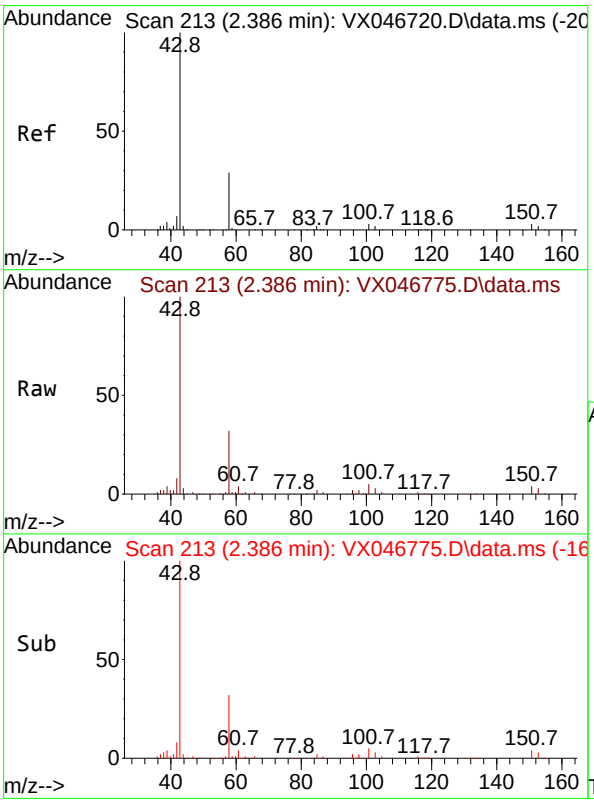
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.1 | 97.7 |
| 51 | 36.4 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

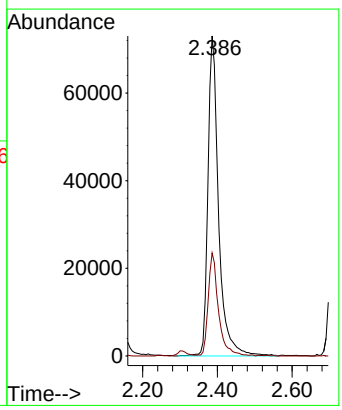


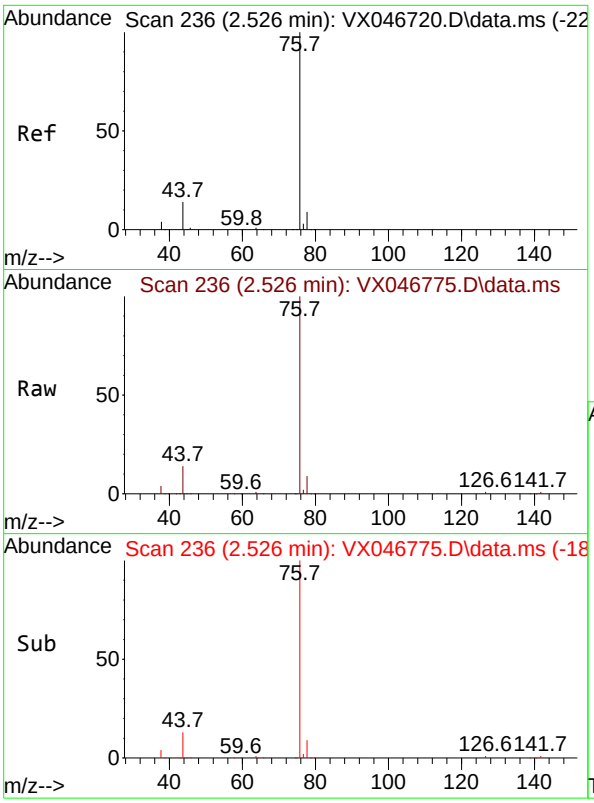




#16
Acetone
Concen: 241.828 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 144349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.3 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 47.607 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

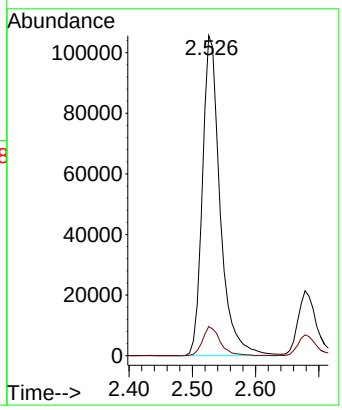
Tgt Ion: 76 Resp: 20549

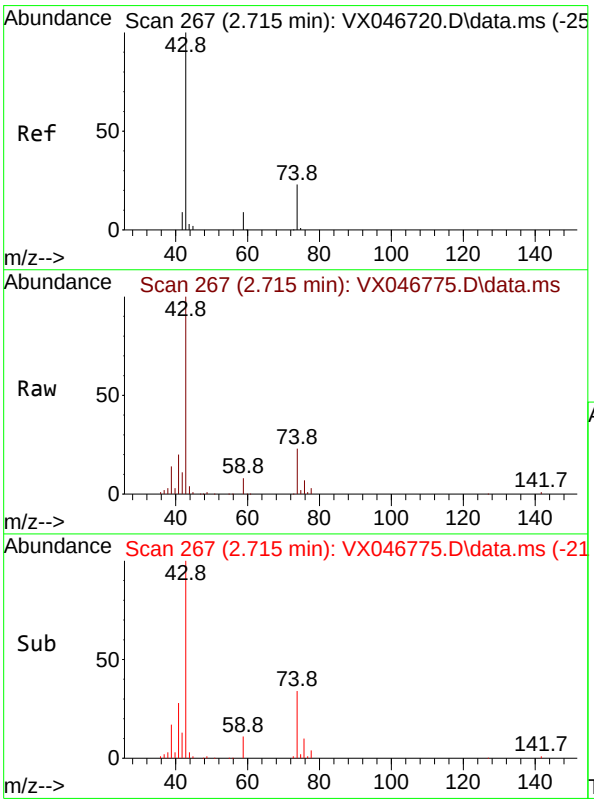
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

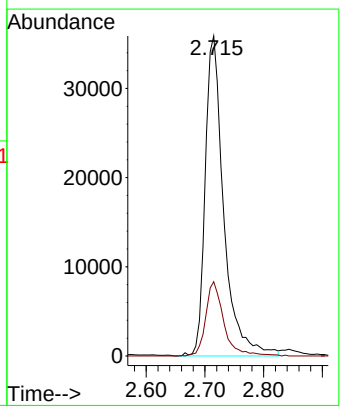


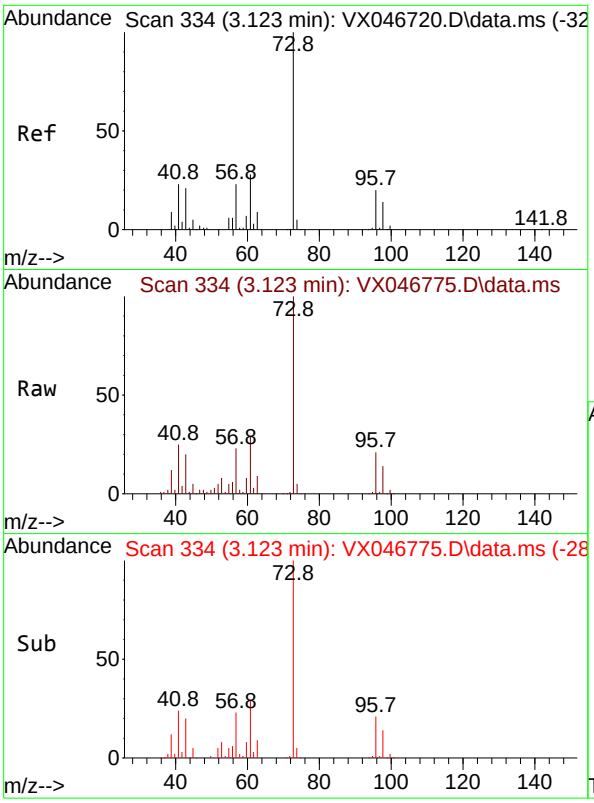




#18
Methyl Acetate
Concen: 51.889 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 78667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 18.4 | 27.6 |

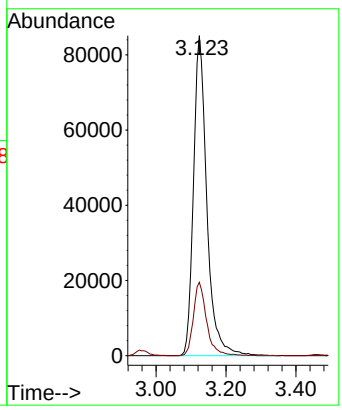





#19
Methyl tert-butyl Ether
Concen: 50.585 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 73 Resp: 22514

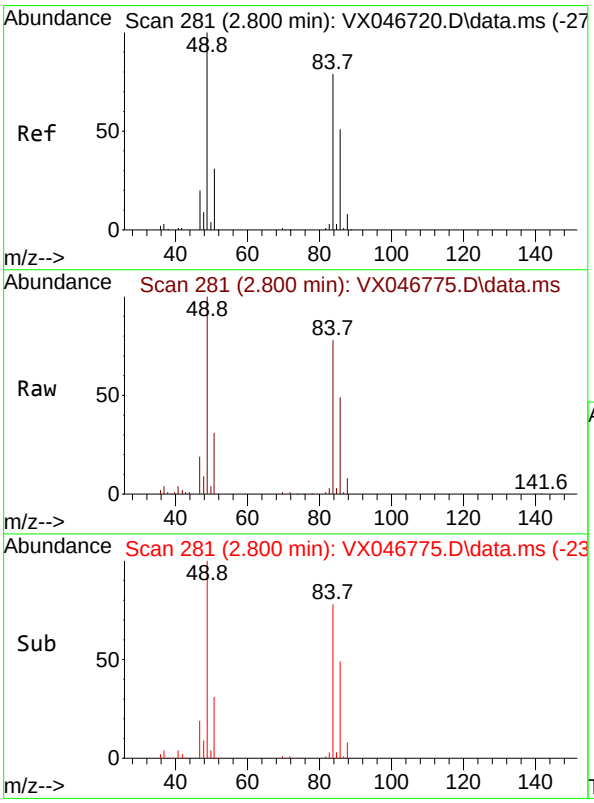
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.9 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

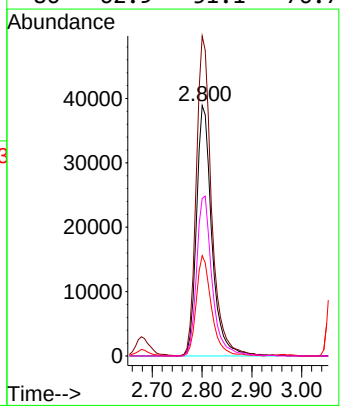
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

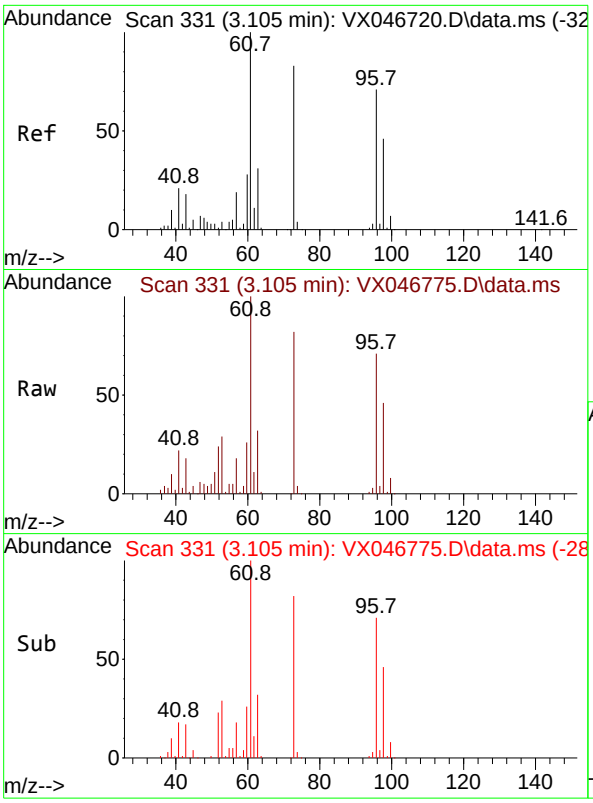



#20
Methylene Chloride
Concen: 50.266 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 84 Resp: 83440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 101.3 | 151.9 |
| 51 | 40.1 | 31.0 | 46.6 |
| 86 | 62.9 | 51.1 | 76.7 |

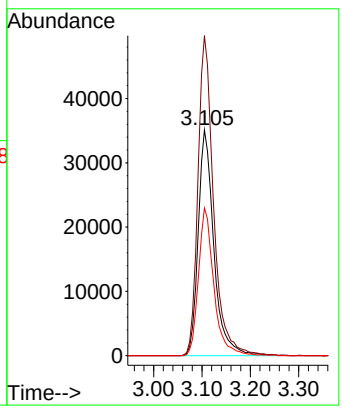





#21
trans-1,2-Dichloroethene
Concen: 51.786 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 96 Resp: 7920

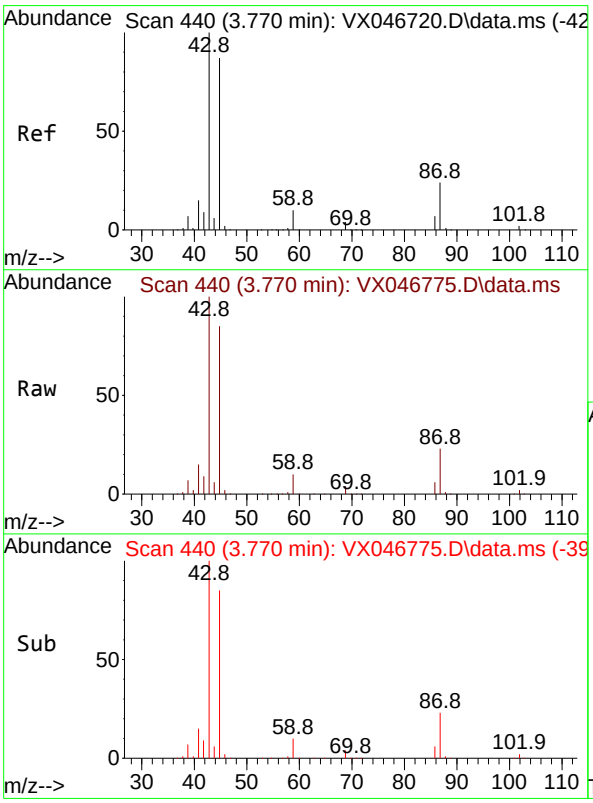
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.7 | 112.5 | 168.7 |
| 98 | 65.4 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

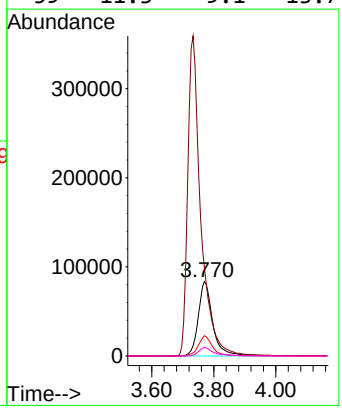
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

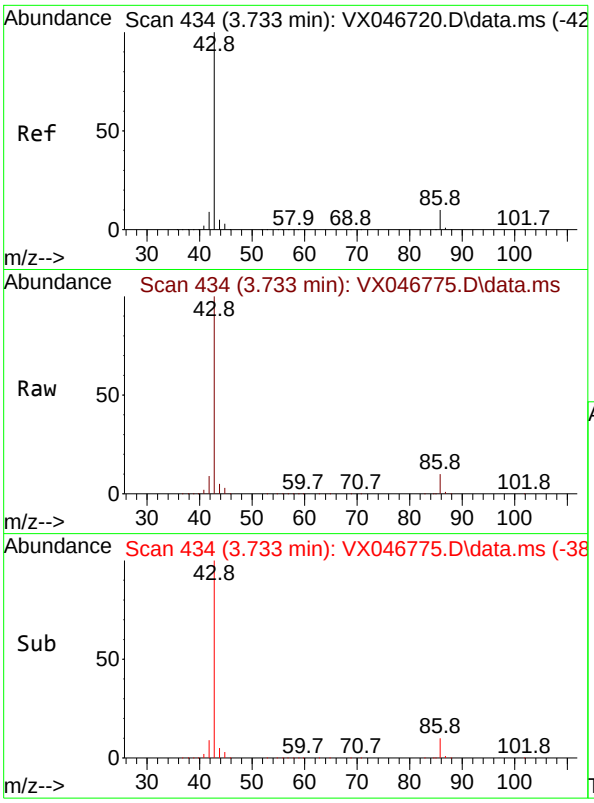



#22
Diisopropyl ether
Concen: 54.281 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 45 Resp: 270205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.8 | 91.9 | 137.9 |
| 87 | 27.3 | 22.0 | 33.0 |
| 59 | 11.3 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 266.763 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

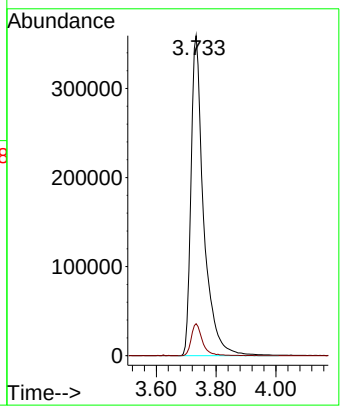
Tgt Ion: 43 Resp: 105597

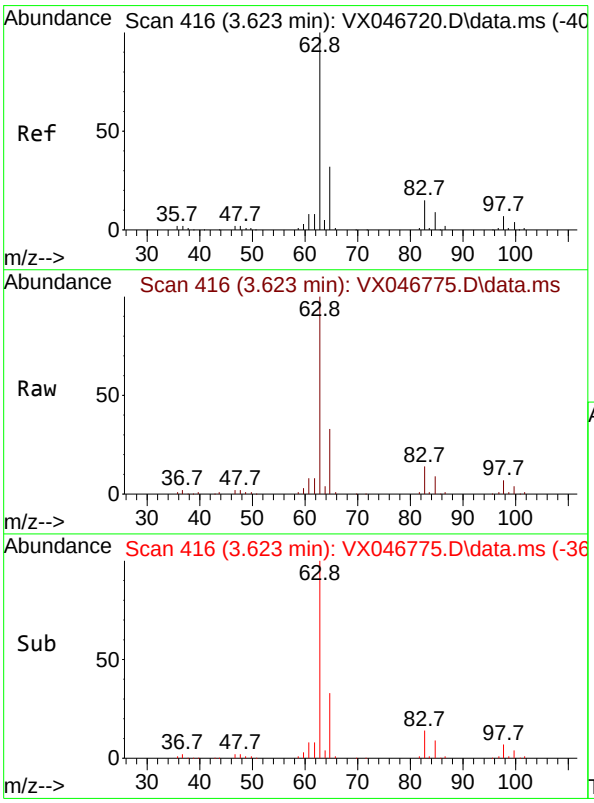
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

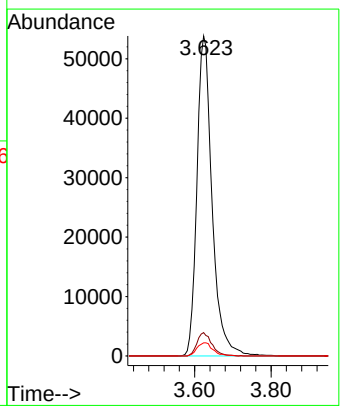


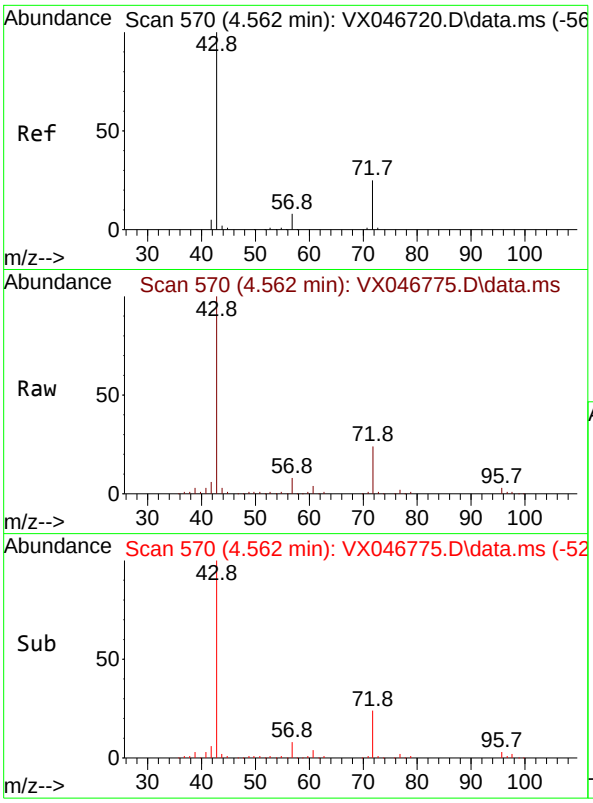




#24
1,1-Dichloroethane
Concen: 52.369 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 148012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 4.0 | 11.9 |
| 100 | 4.1 | 2.2 | 6.6 |

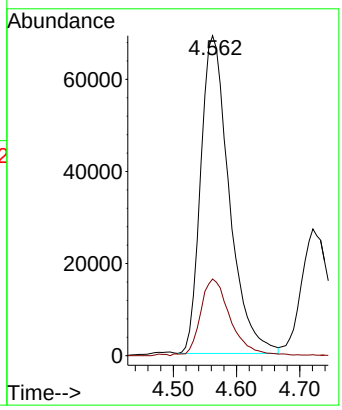





#25
2-Butanone
Concen: 256.282 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 21635

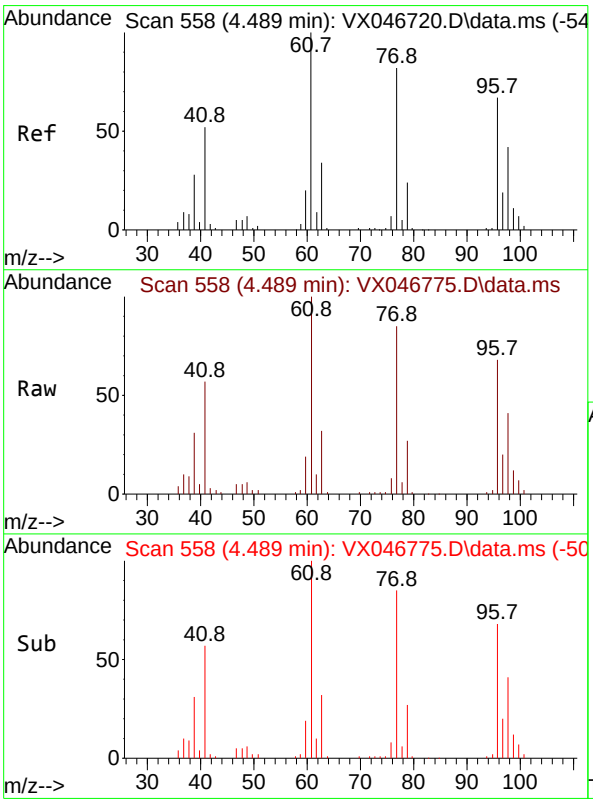
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.7 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

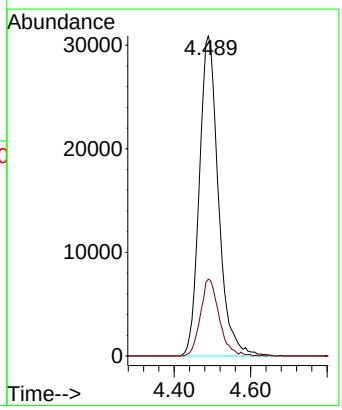
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

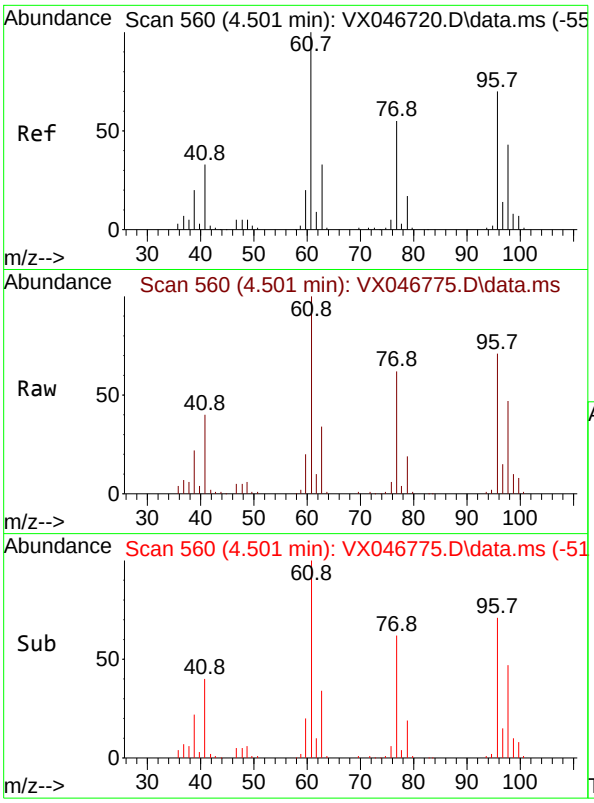



#26
2,2-Dichloropropane
Concen: 51.768 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 77 Resp: 106712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.6 | 11.8 | 35.3 |

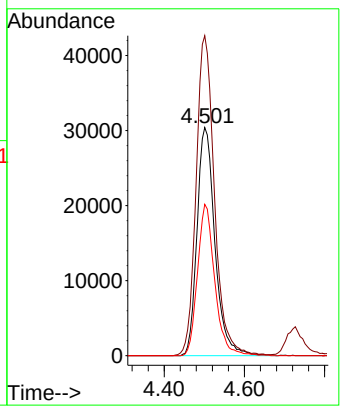





#27
cis-1,2-Dichloroethene
Concen: 52.513 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 96 Resp: 9435

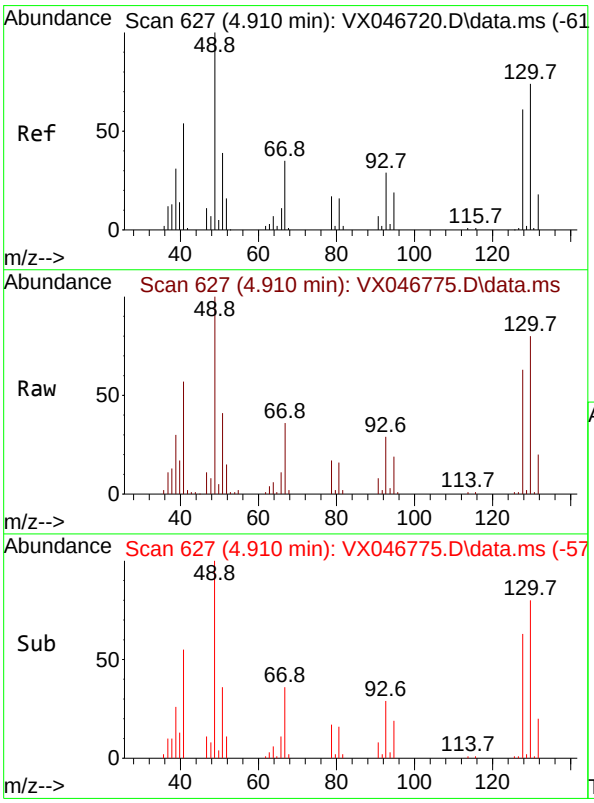
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.7 | 0.0 | 291.0 |
| 98 | 63.9 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

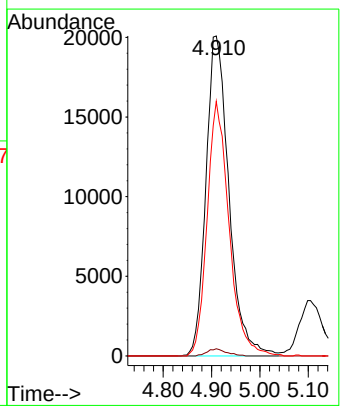
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

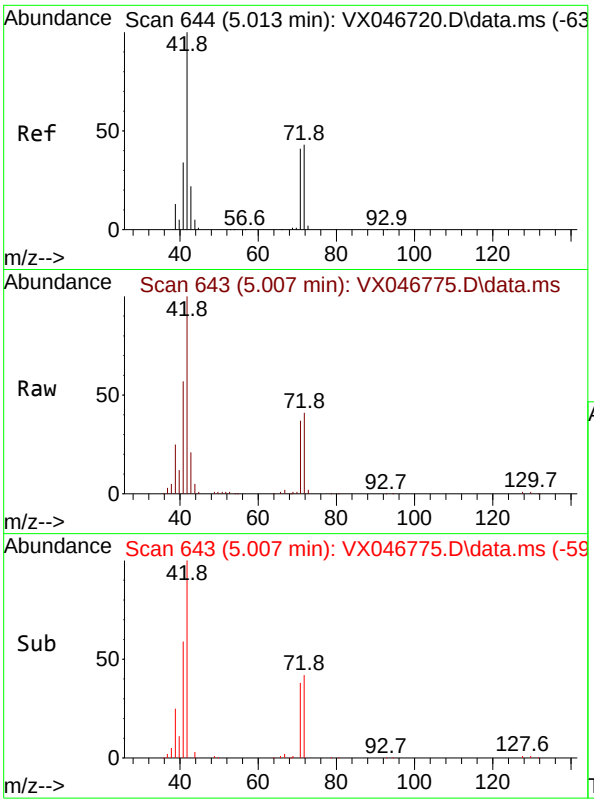



#28
Bromochloromethane
Concen: 51.765 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 49 Resp: 66329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 75.8 | 61.4 | 92.0 |






#29
Tetrahydrofuran
Concen: 255.819 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

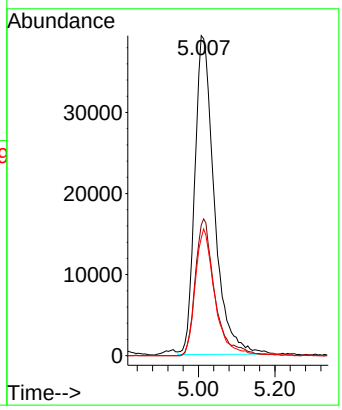
Tgt Ion: 42 Resp: 13949

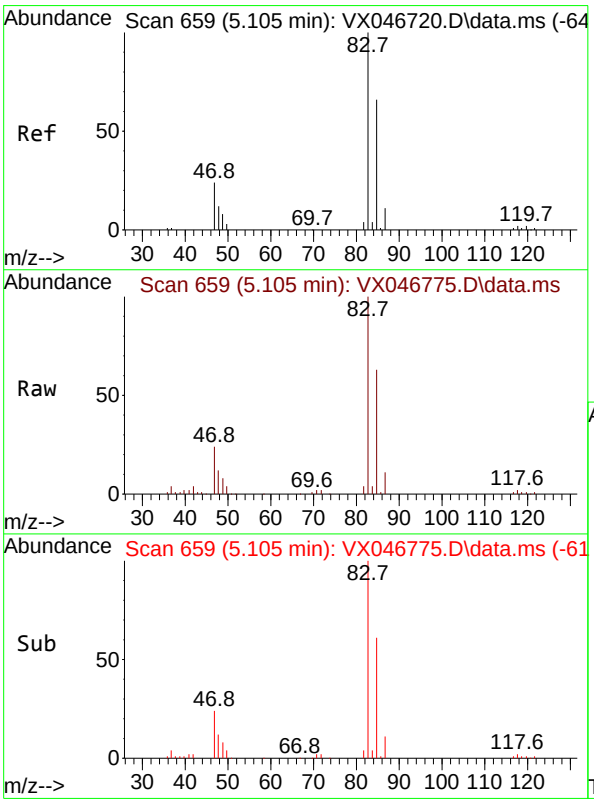
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.9 | 52.3 |
| 71 | 39.6 | 32.2 | 48.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

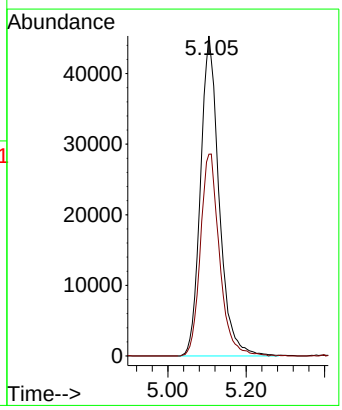


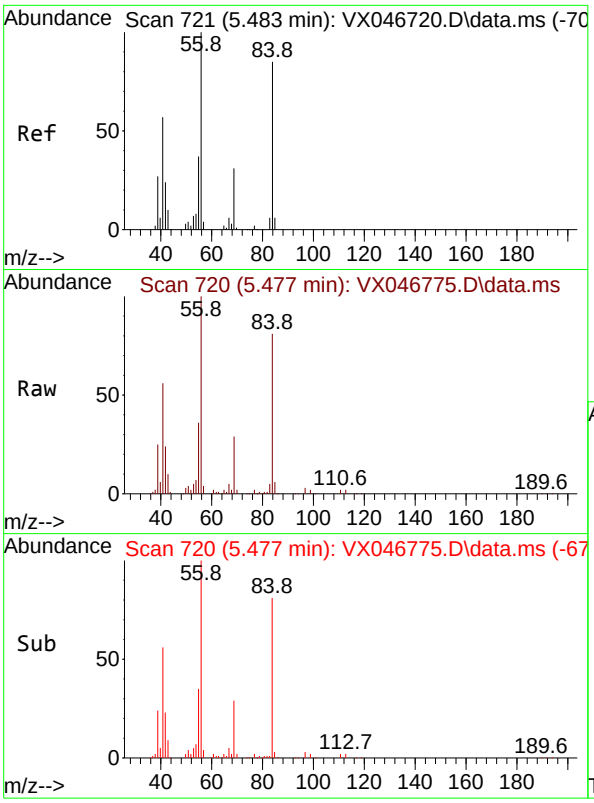




#30
Chloroform
Concen: 52.894 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 149506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.7 | 80.5 |

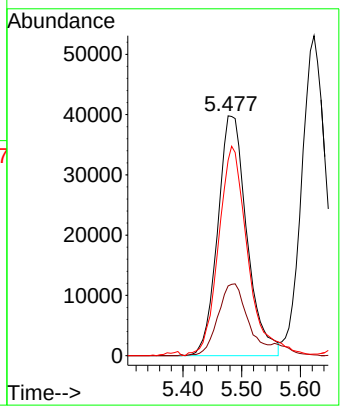





#31
Cyclohexane
Concen: 51.222 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 56 Resp: 13729

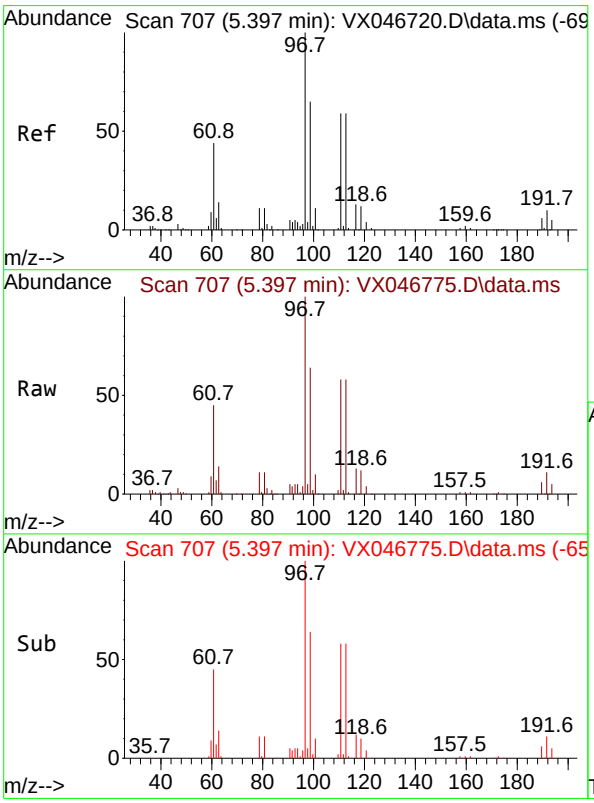
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.8 | 37.2 |
| 84 | 79.7 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

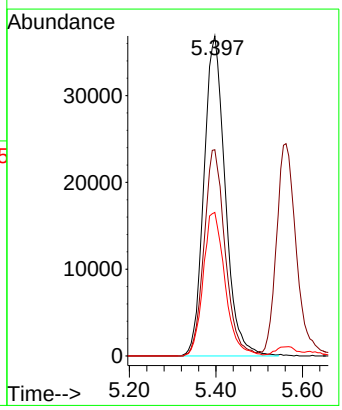
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

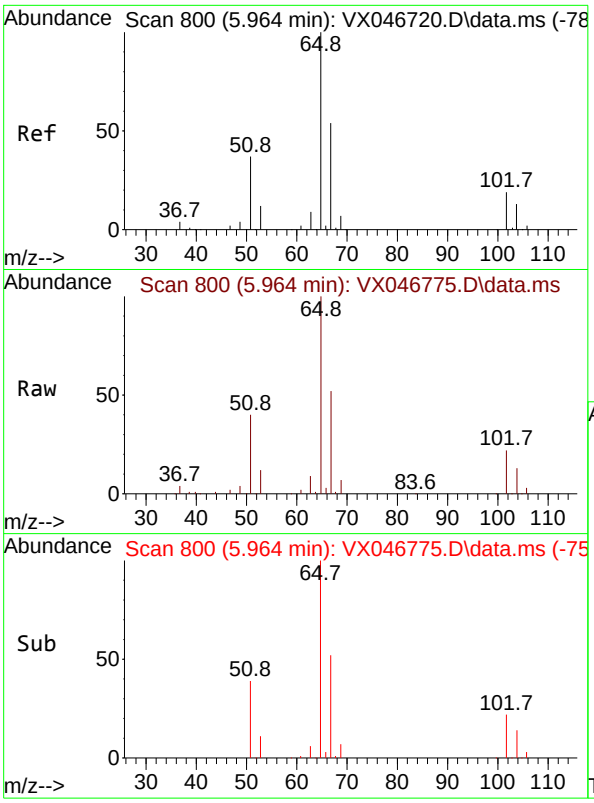



#32
1,1,1-Trichloroethane
Concen: 50.784 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 97 Resp: 125889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 51.3 | 76.9 |
| 61 | 46.1 | 36.4 | 54.6 |






#33
1,2-Dichloroethane-d4
Concen: 46.825 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

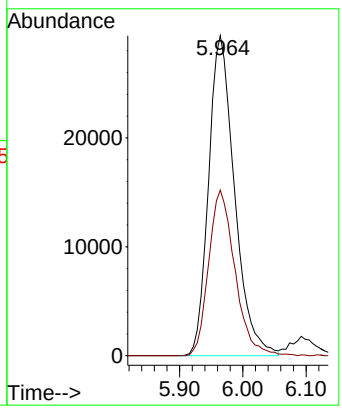
Tgt Ion: 65 Resp: 8381

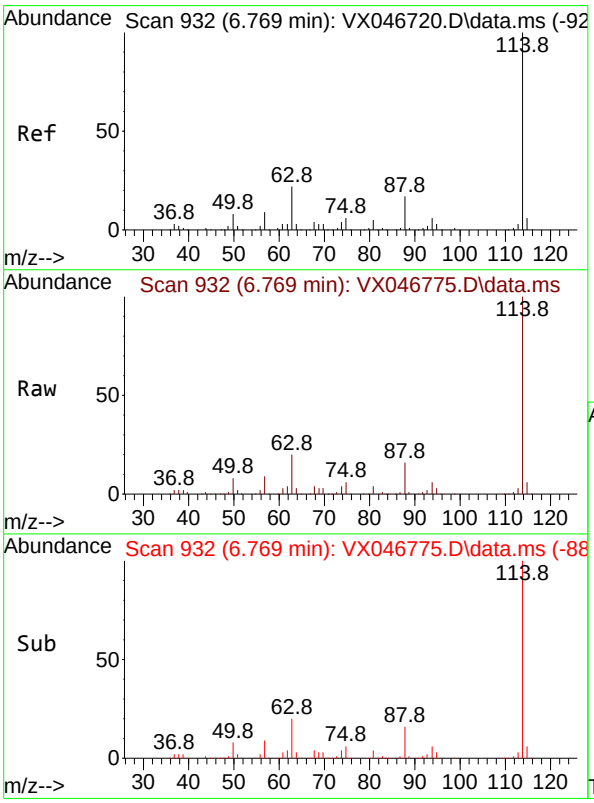
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 105.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

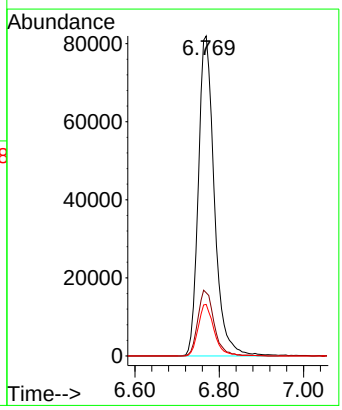


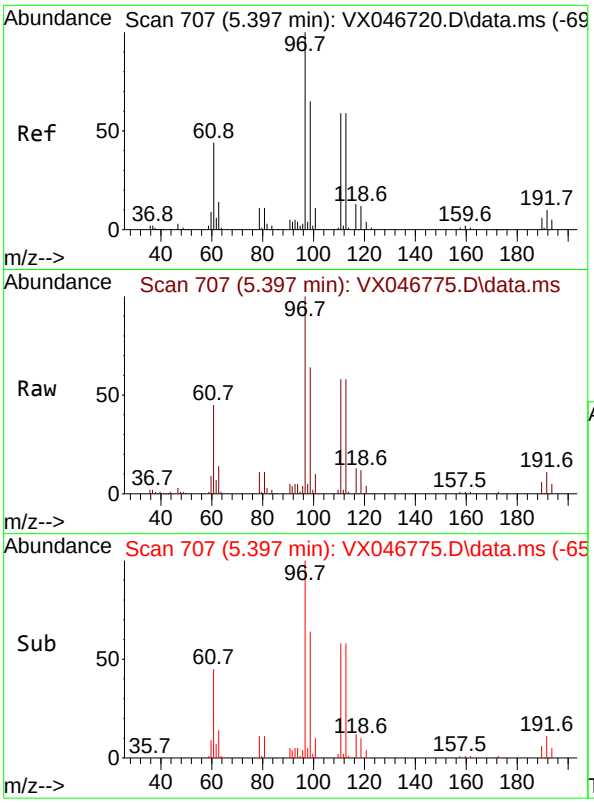




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:114 Resp: 216626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

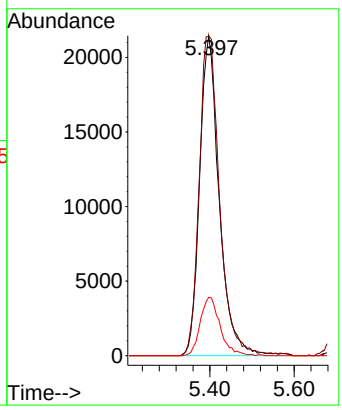





#35
Dibromofluoromethane
Concen: 48.316 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:113 Resp: 6924

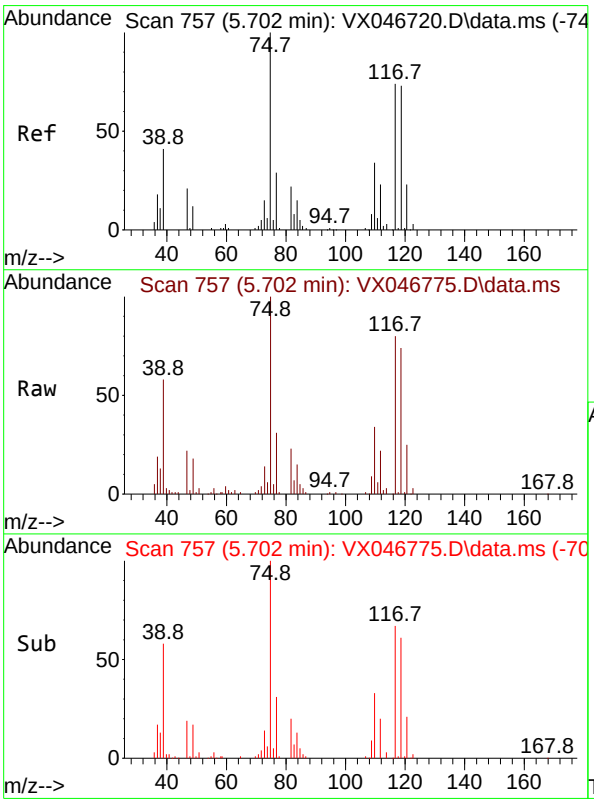
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 82.0 | 123.0 |
| 192 | 18.5 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

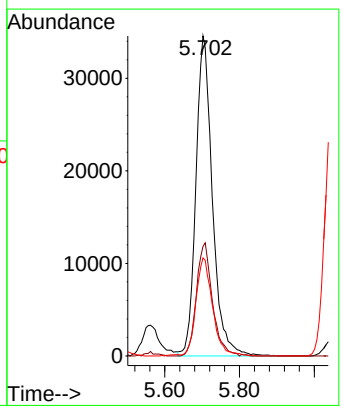
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

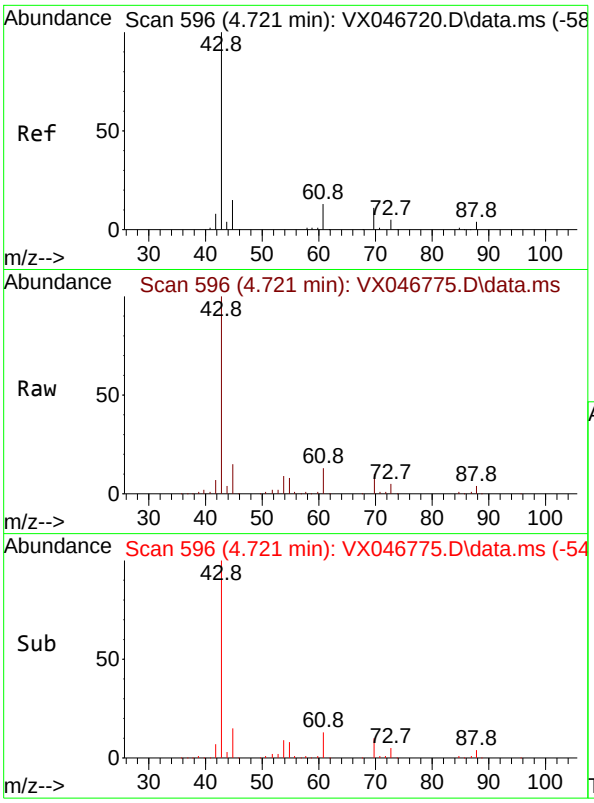



#36
1,1-Dichloropropene
Concen: 51.182 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 105895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 17.2 | 51.5 |
| 77 | 30.8 | 24.2 | 36.4 |

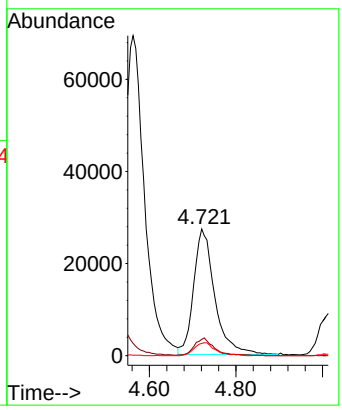





#37
Ethyl Acetate
Concen: 48.219 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 9208

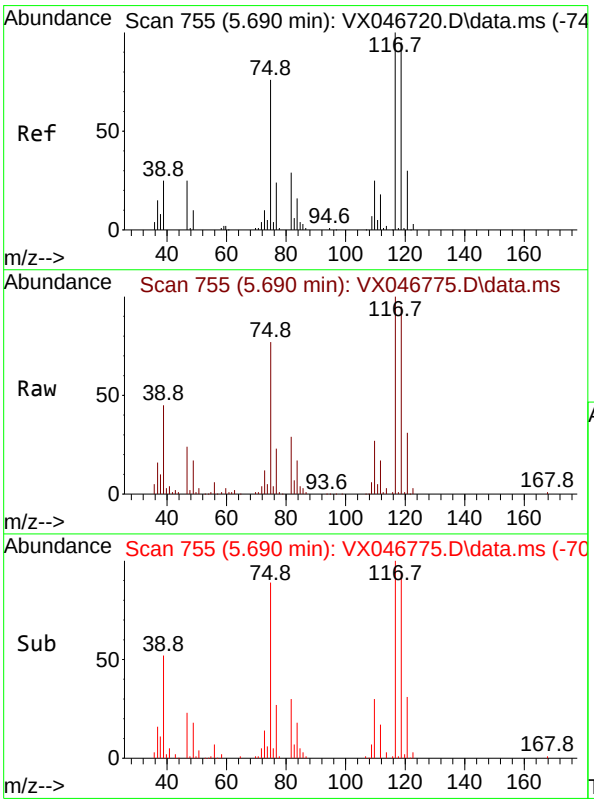
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

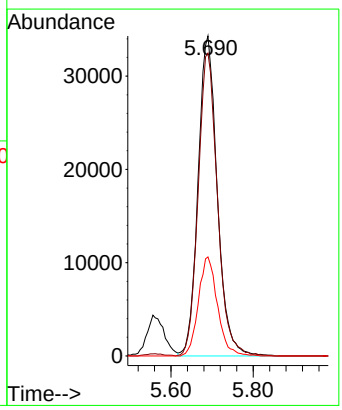
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

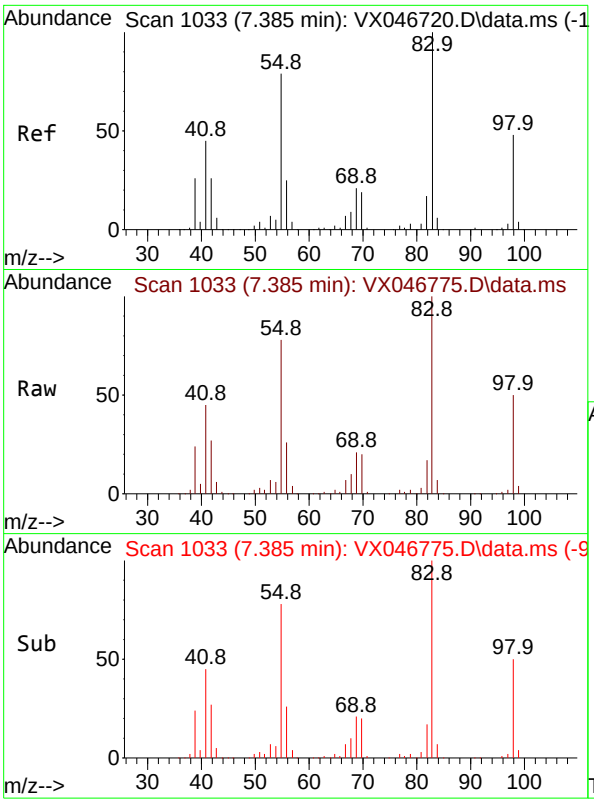



#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 111211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.2 | 112.8 |
| 121 | 30.9 | 24.1 | 36.1 |

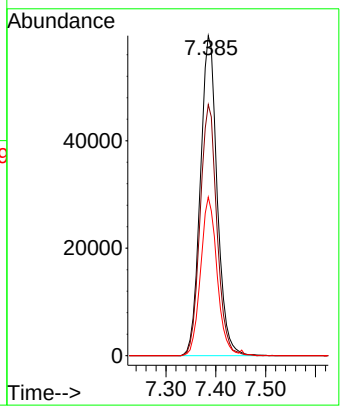





#39
Methylcyclohexane
Concen: 51.281 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 13961

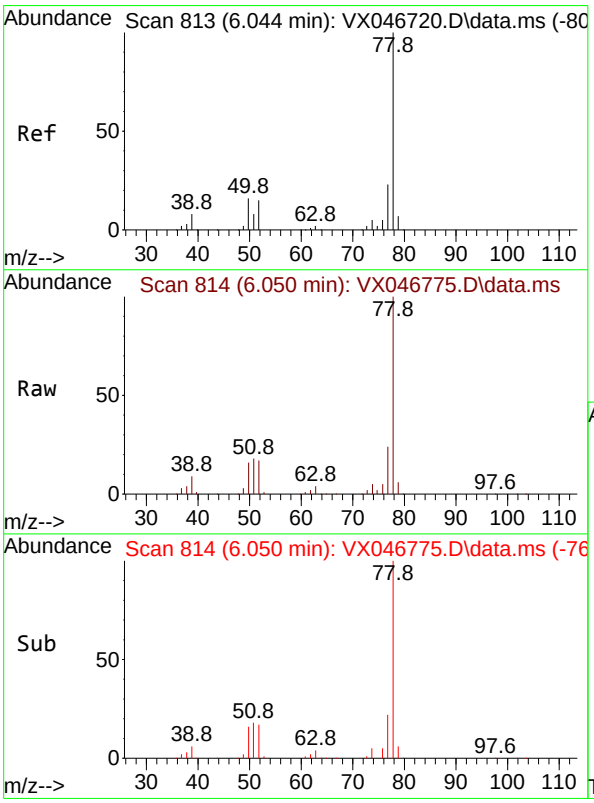
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.5 | 63.0 | 94.4 |
| 98 | 49.6 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

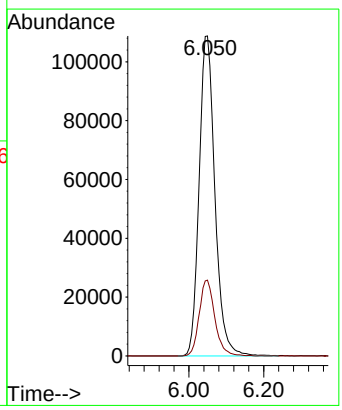
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

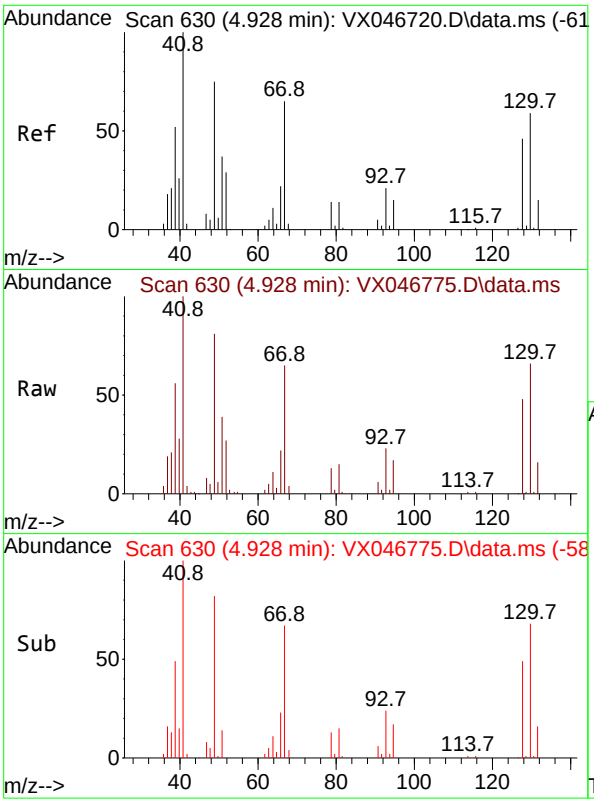



#40
Benzene
Concen: 52.086 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 78 Resp: 318931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 18.8 | 28.2 |

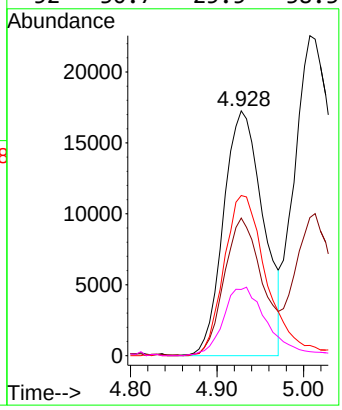





#41
Methacrylonitrile
Concen: 54.078 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 41 Resp: 5505

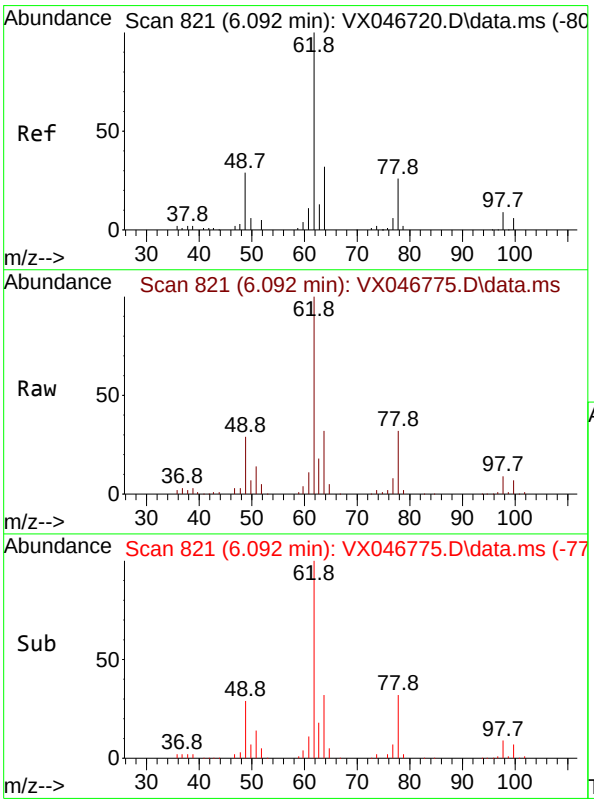
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.7 | 45.9 | 68.9 |
| 67 | 71.4 | 61.2 | 91.8 |
| 52 | 30.7 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

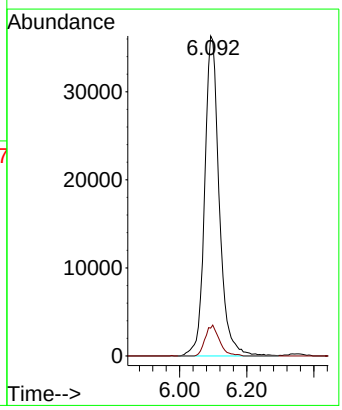
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

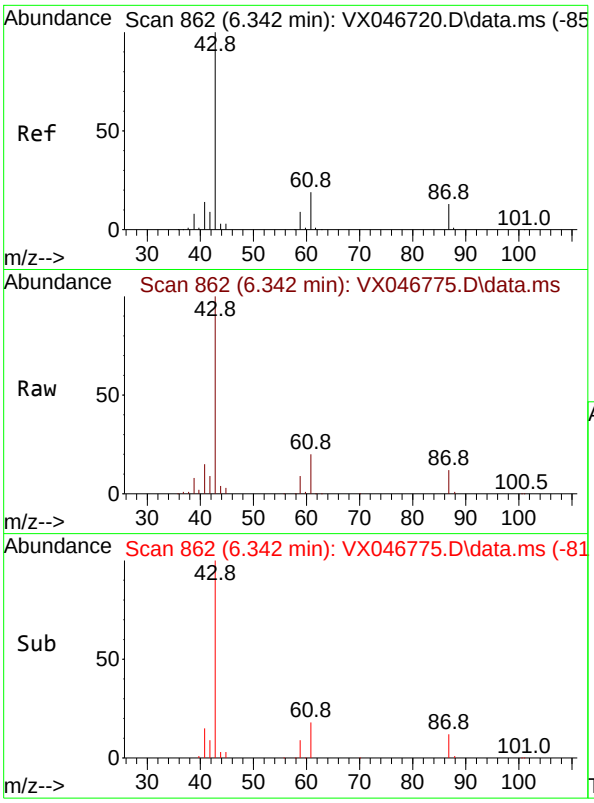



#42
1,2-Dichloroethane
Concen: 50.860 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 62 Resp: 109435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.5 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 50.655 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

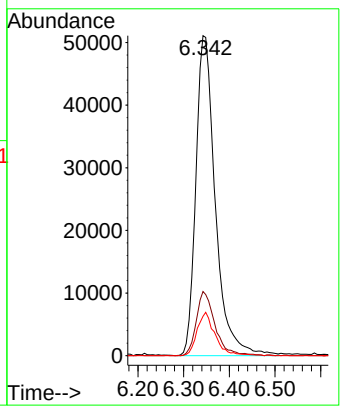
Tgt Ion: 43 Resp: 15138

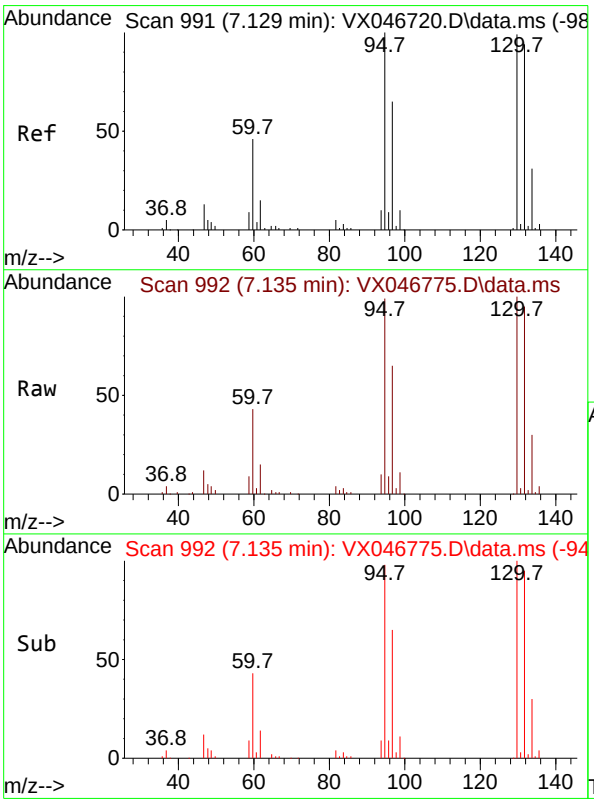
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

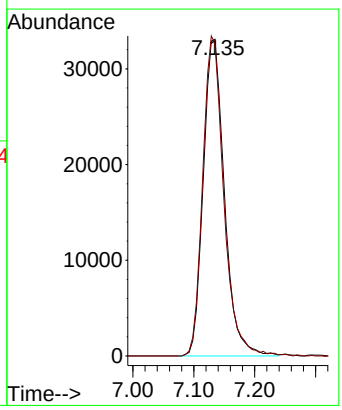


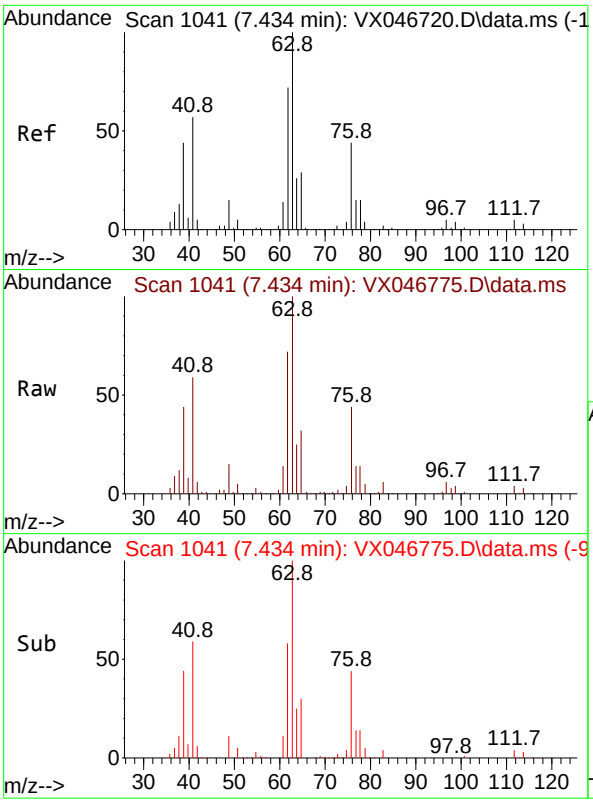




#44
Trichloroethene
Concen: 51.252 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:130 Resp: 79977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 202.6 |

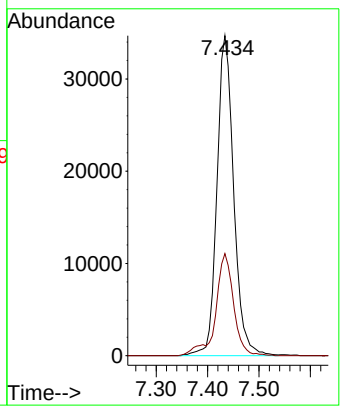





#45
1,2-Dichloropropane
Concen: 51.797 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 7860

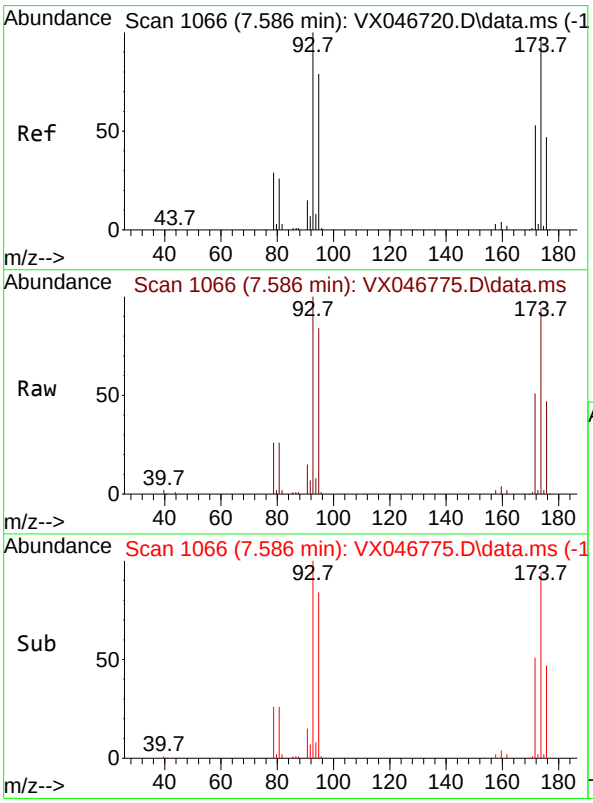
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

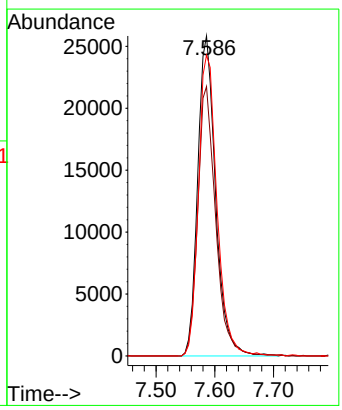
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

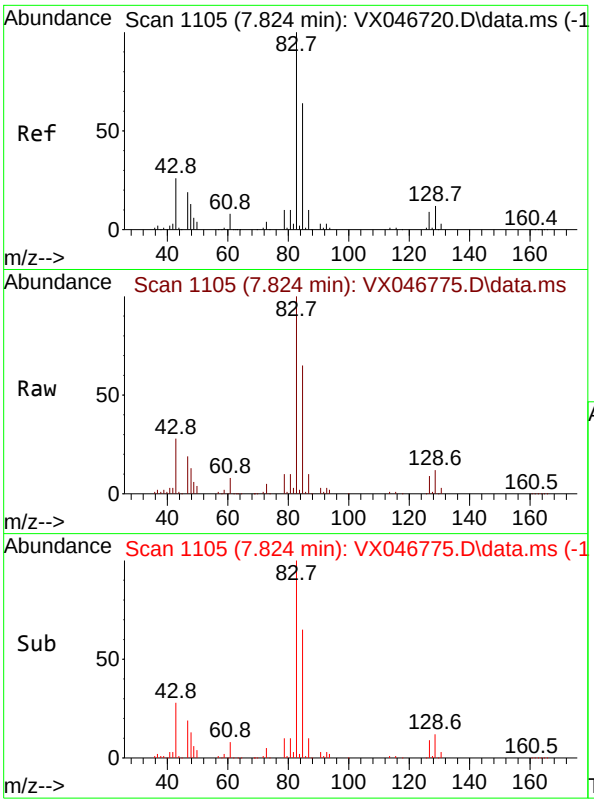



#46
Dibromomethane
Concen: 50.201 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 93 Resp: 54750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.2 | 99.4 |
| 174 | 97.6 | 77.0 | 115.6 |

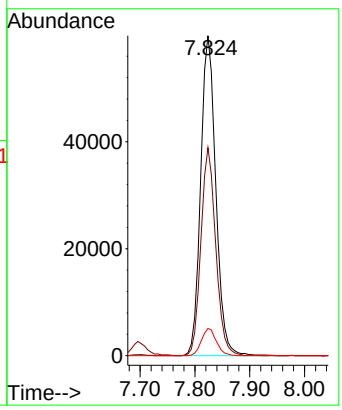





#47
Bromodichloromethane
Concen: 51.475 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 11456

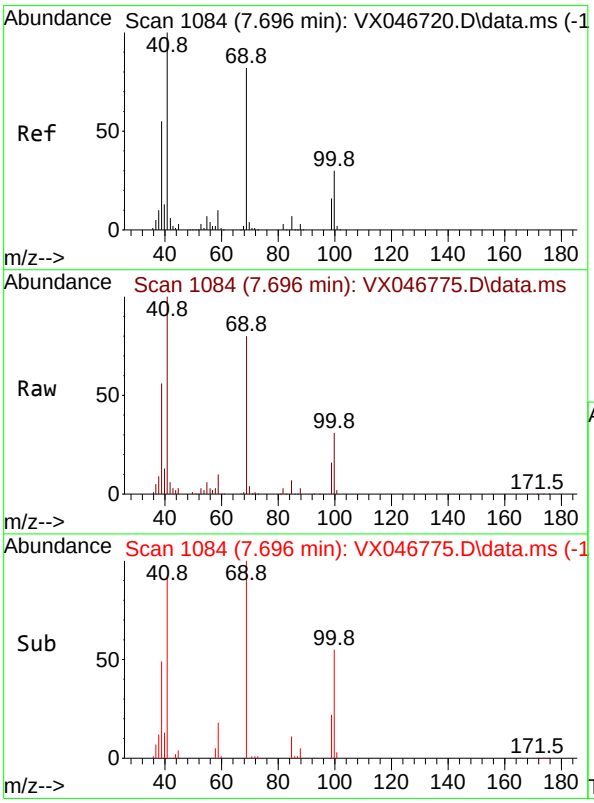
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

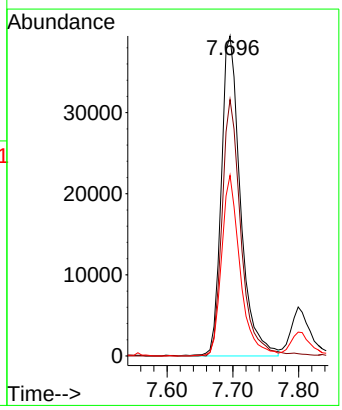
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

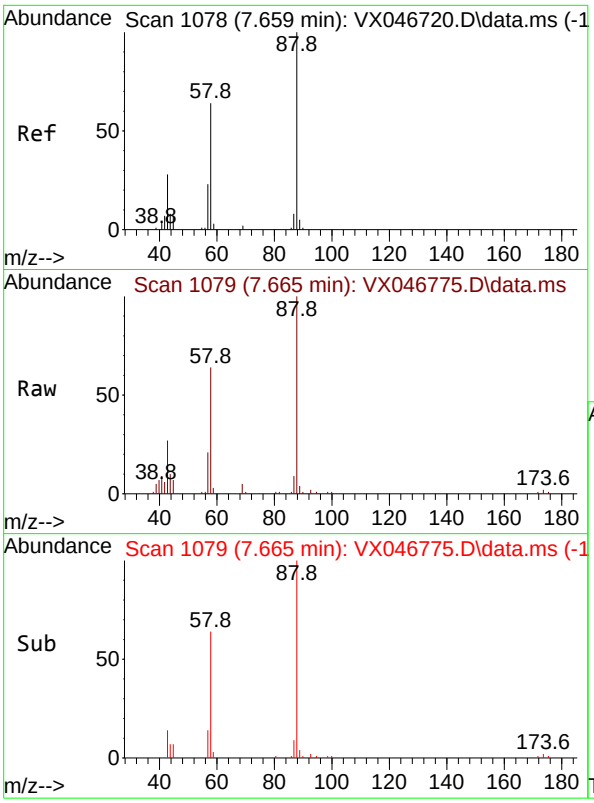



#48
Methyl methacrylate
Concen: 53.494 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 41 Resp: 80176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.0 | 63.4 | 95.2 |
| 39 | 54.7 | 45.4 | 68.0 |

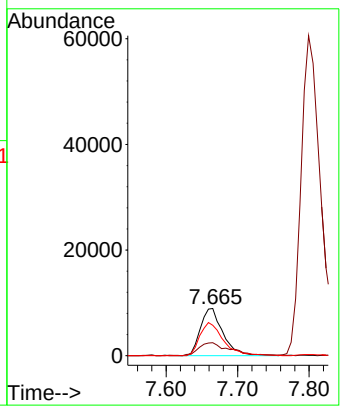





#49
1,4-Dioxane
Concen: 894.415 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 88 Resp: 1943

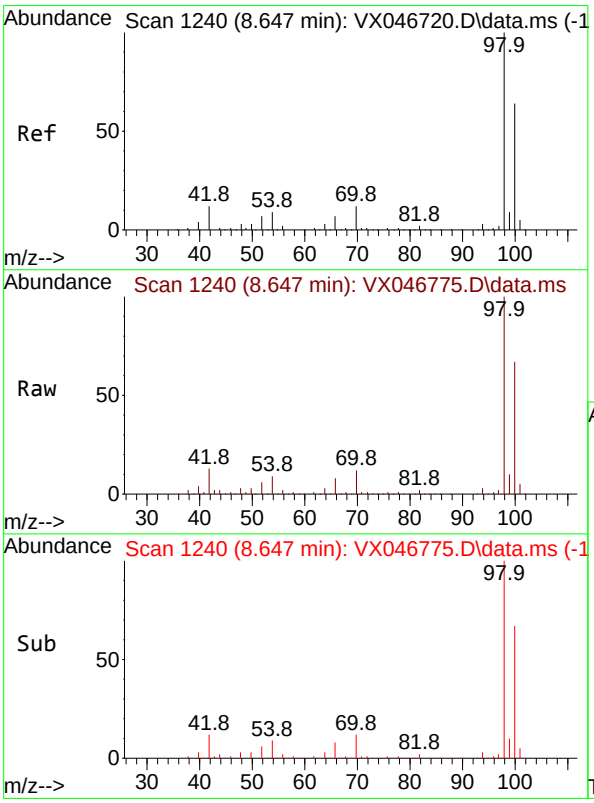
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.0 | 31.2 | 46.8 |
| 58 | 73.2 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

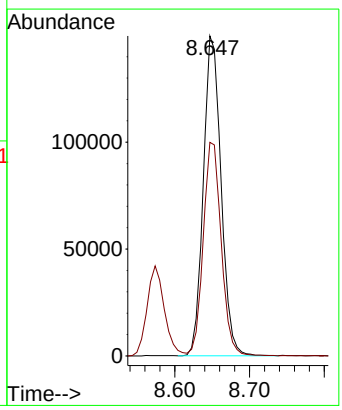
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

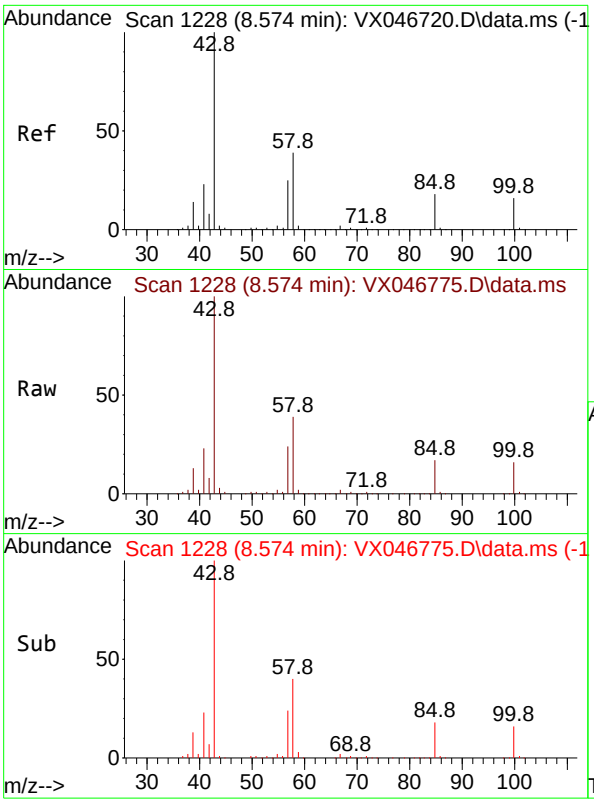



#50
Toluene-d8
Concen: 47.880 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 98 Resp: 246552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.5 | 53.0 | 79.4 |

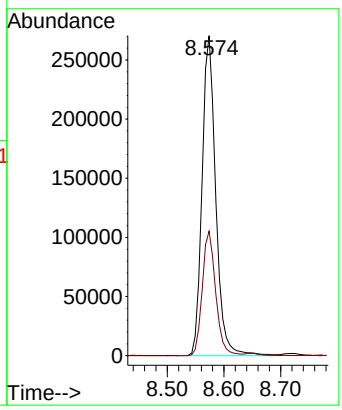





#51
4-Methyl-2-Pentanone
Concen: 254.472 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 45356

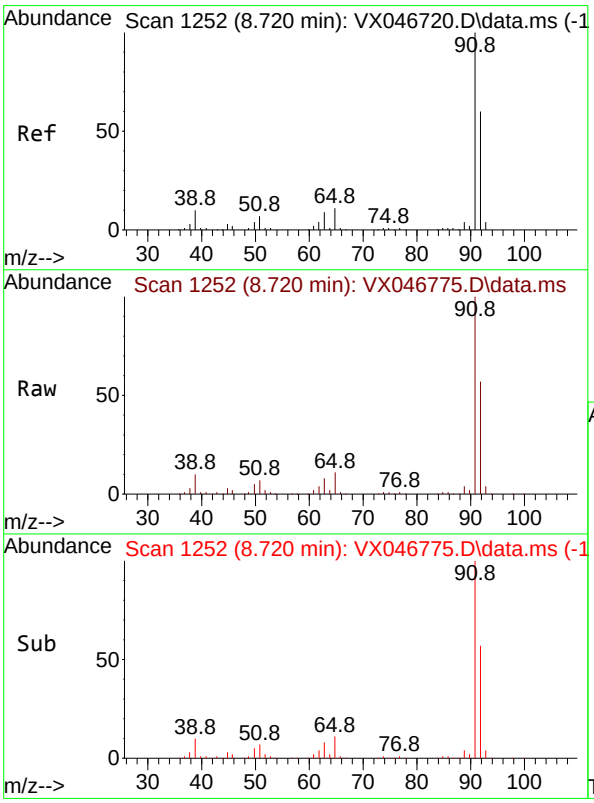
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

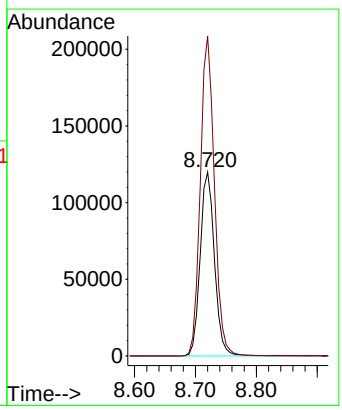
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

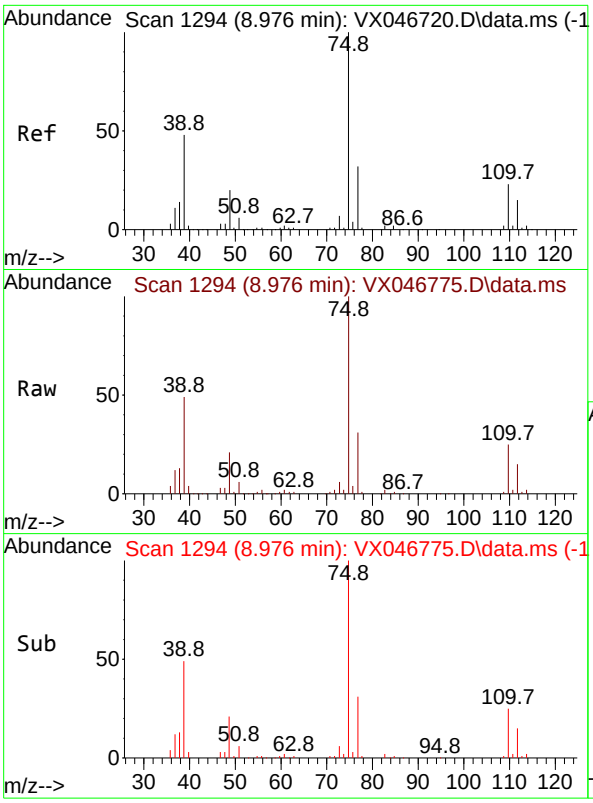



#52
Toluene
Concen: 51.477 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 92 Resp: 195403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 134.8 | 202.2 |

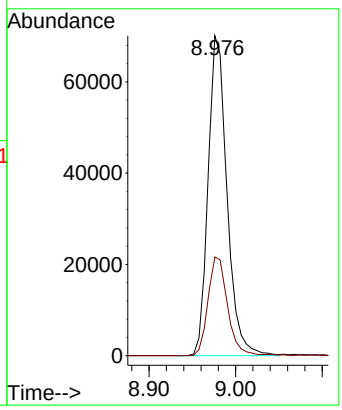





#53
t-1,3-Dichloropropene
Concen: 51.427 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 10619

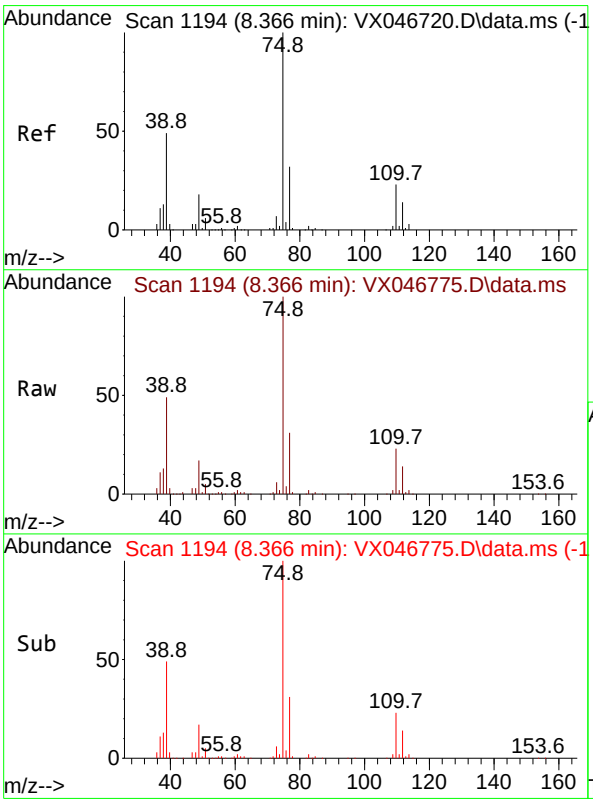
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

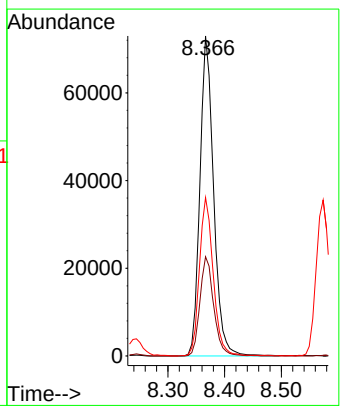
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

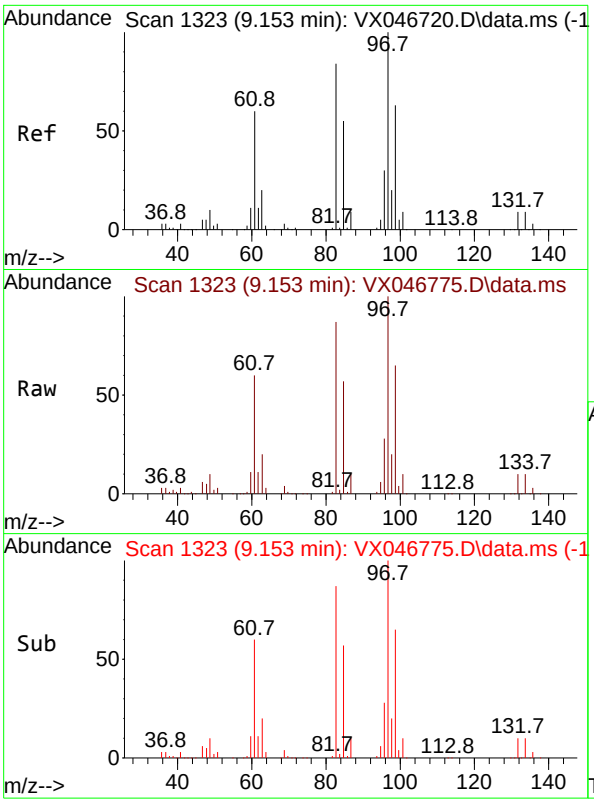



#54
cis-1,3-Dichloropropene
Concen: 52.254 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 122494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.3 | 37.9 |
| 39 | 48.8 | 39.2 | 58.8 |

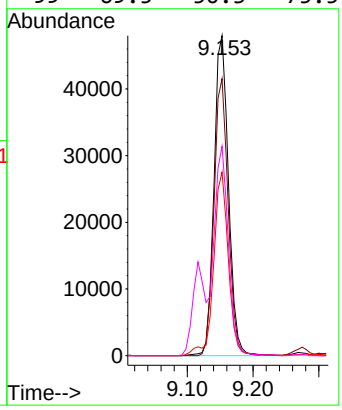





#55
1,1,2-Trichloroethane
Concen: 51.978 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 97 Resp: 7352

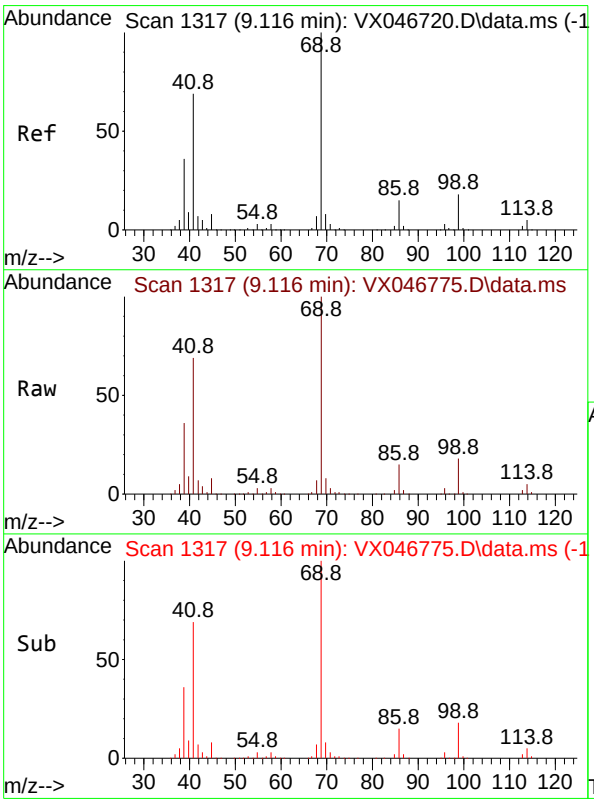
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.6 | 67.2 | 100.8 |
| 85 | 57.4 | 44.1 | 66.1 |
| 99 | 69.5 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

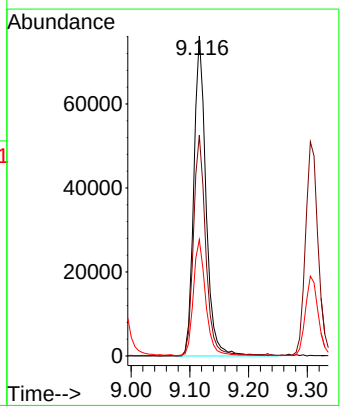
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

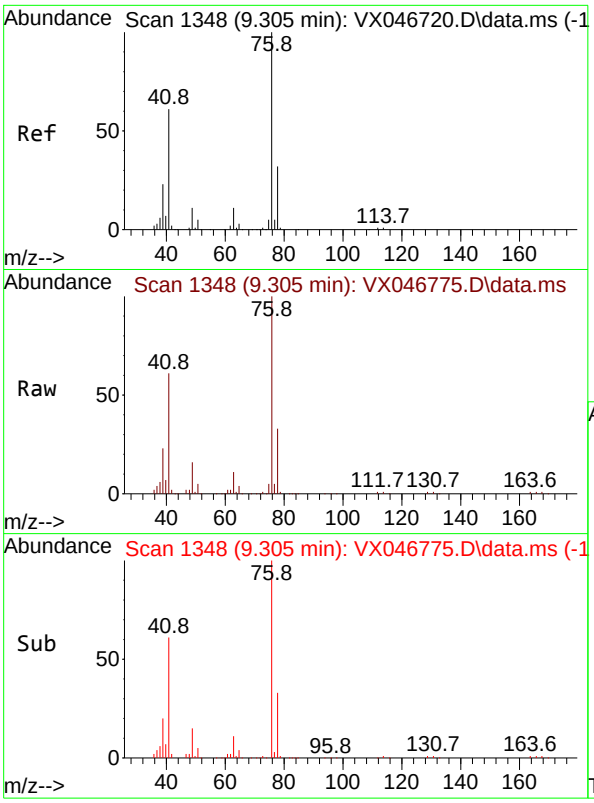



#56
Ethyl methacrylate
Concen: 52.671 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 69 Resp: 109987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.5 | 55.4 | 83.2 |
| 39 | 36.3 | 29.7 | 44.5 |






#57
1,3-Dichloropropane
Concen: 51.414 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

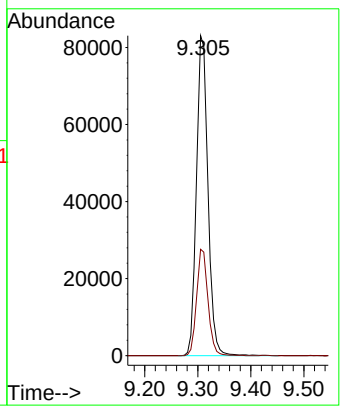
Tgt Ion: 76 Resp: 12524

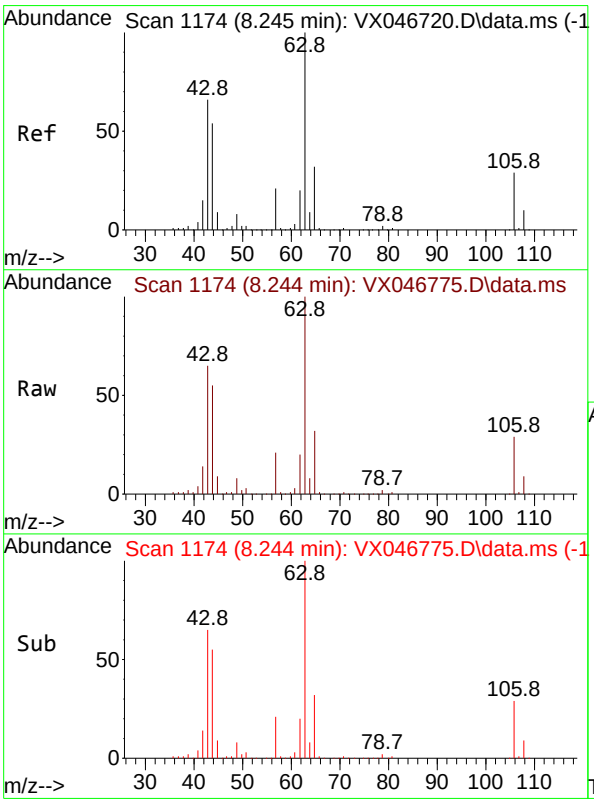
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 25.7 | 38.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

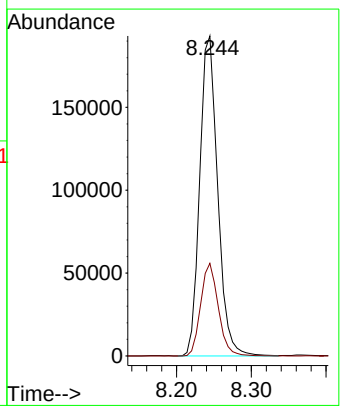


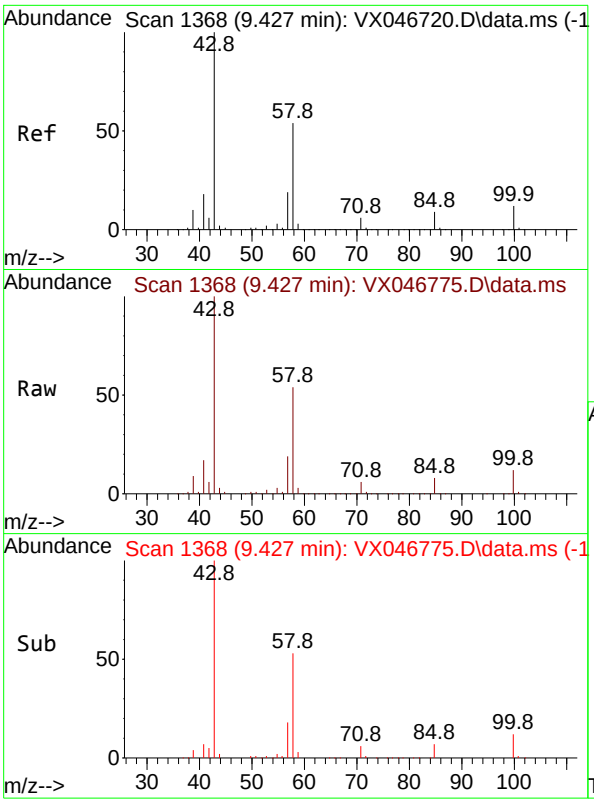




#58
2-Chloroethyl Vinyl ether
Concen: 296.571 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 321699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |






#59
2-Hexanone
Concen: 252.021 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

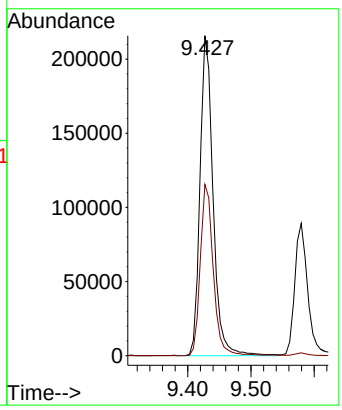
Tgt Ion: 43 Resp: 31054

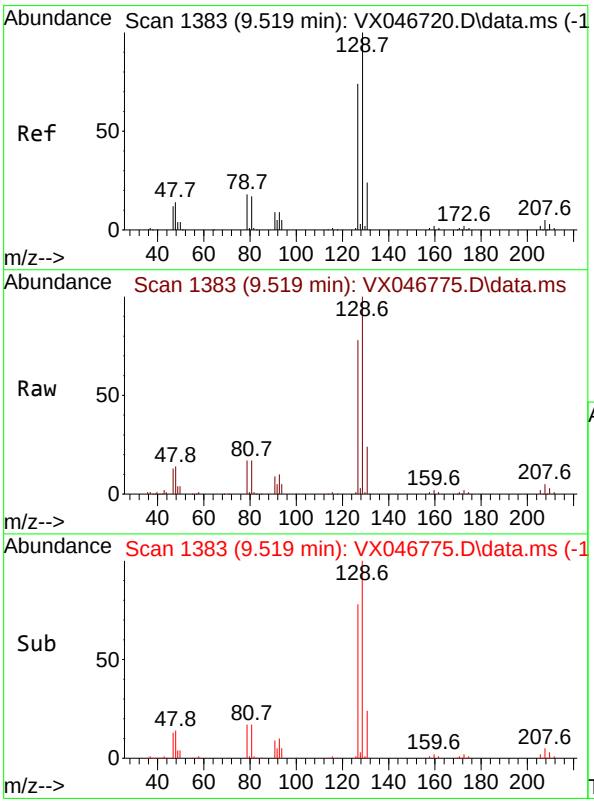
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.8 | 80.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

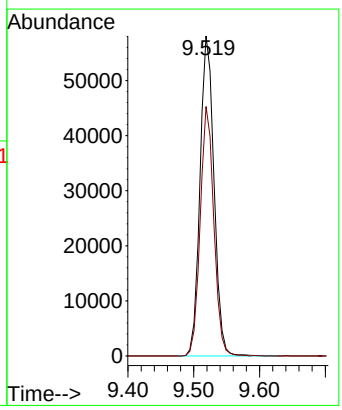


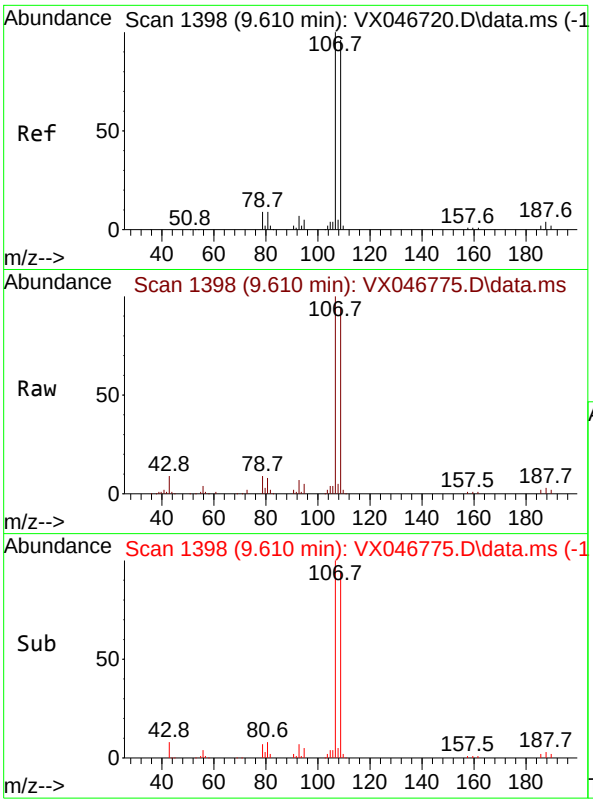




#60
Dibromochloromethane
Concen: 51.500 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:129 Resp: 85854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.9 | 38.4 | 115.2 |

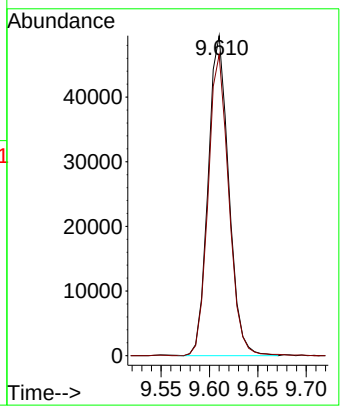





#61
1,2-Dibromoethane
Concen: 51.083 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:107 Resp: 7350

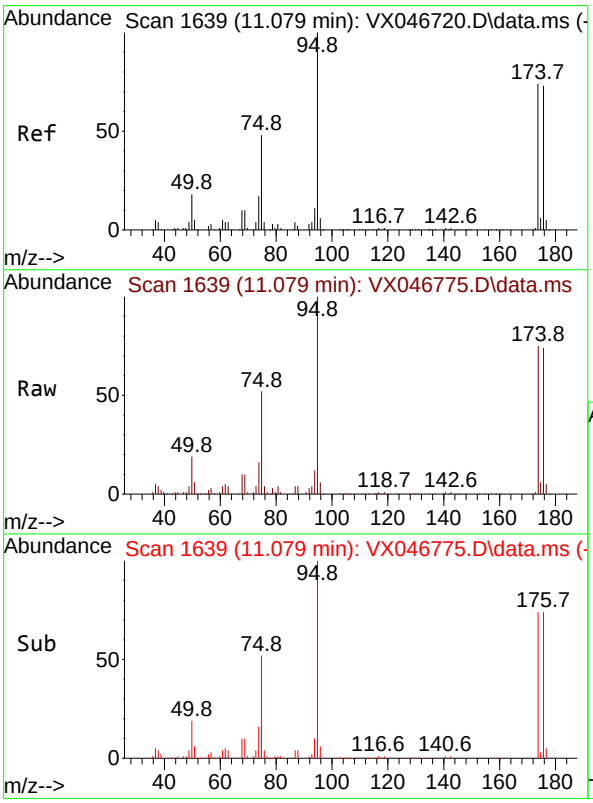
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

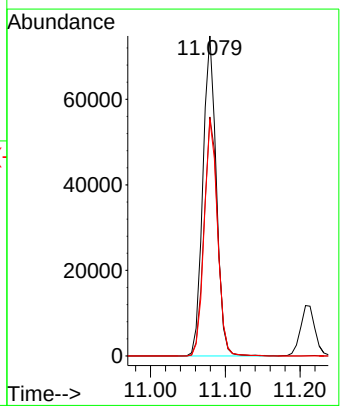
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

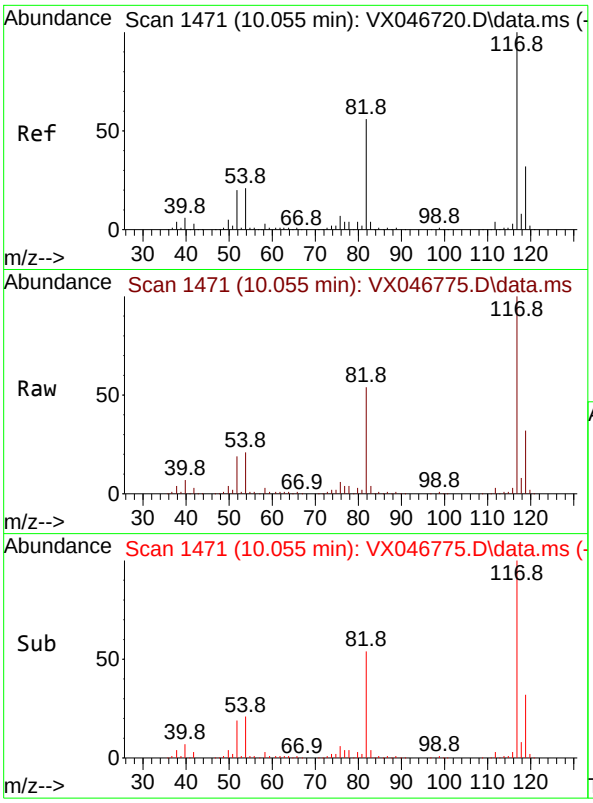



#62
4-Bromofluorobenzene
Concen: 48.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 95 Resp: 93266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.5 | 0.0 | 150.4 |
| 176 | 73.4 | 0.0 | 145.0 |

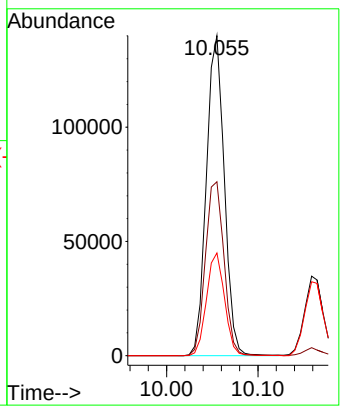





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 19072

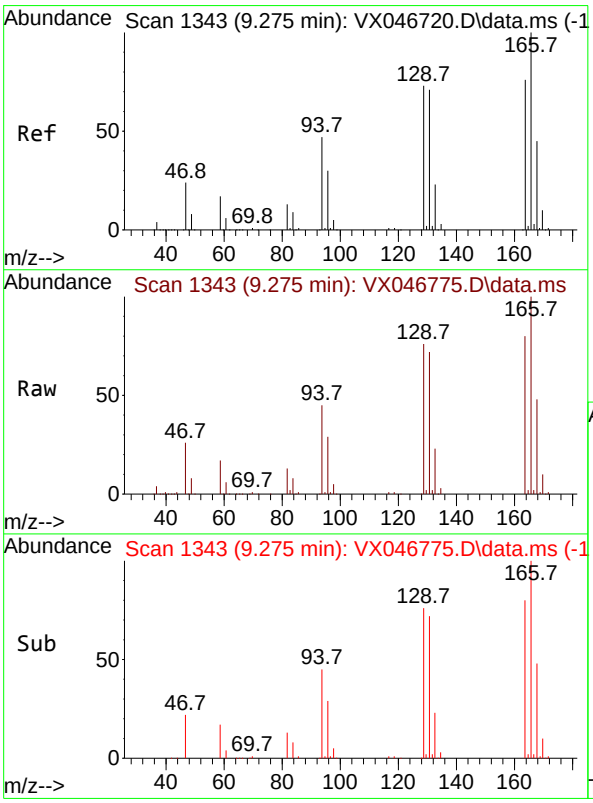
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

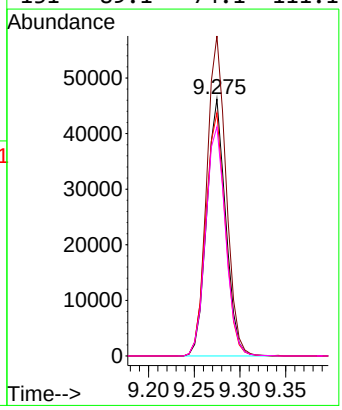
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

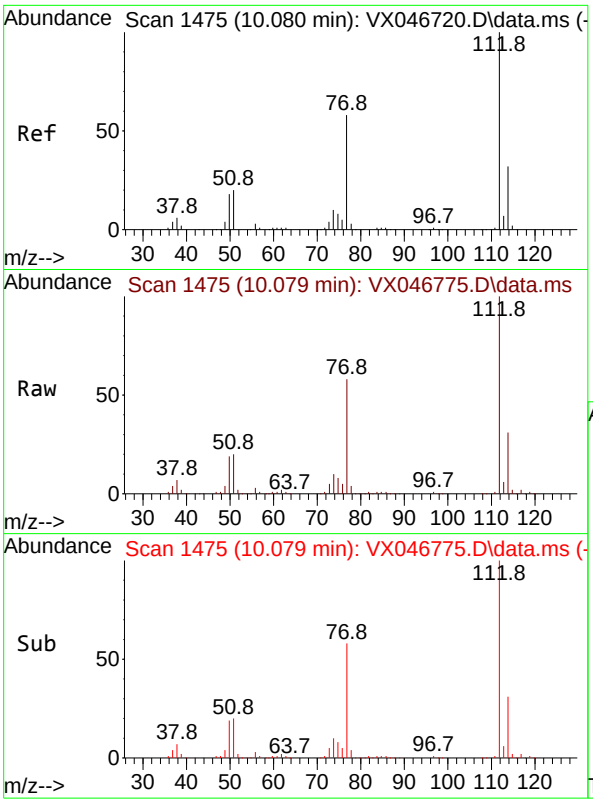



#64
Tetrachloroethene
Concen: 50.181 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:164 Resp: 66307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.5 | 104.6 | 157.0 |
| 129 | 94.6 | 76.3 | 114.5 |
| 131 | 89.1 | 74.1 | 111.1 |






#65
Chlorobenzene
Concen: 51.382 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

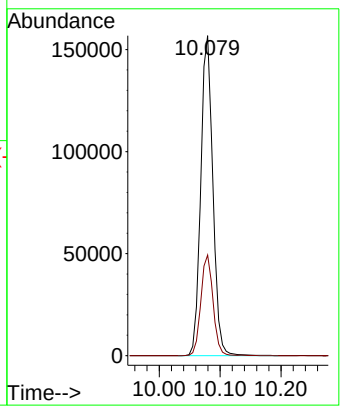
Tgt Ion:112 Resp: 21631

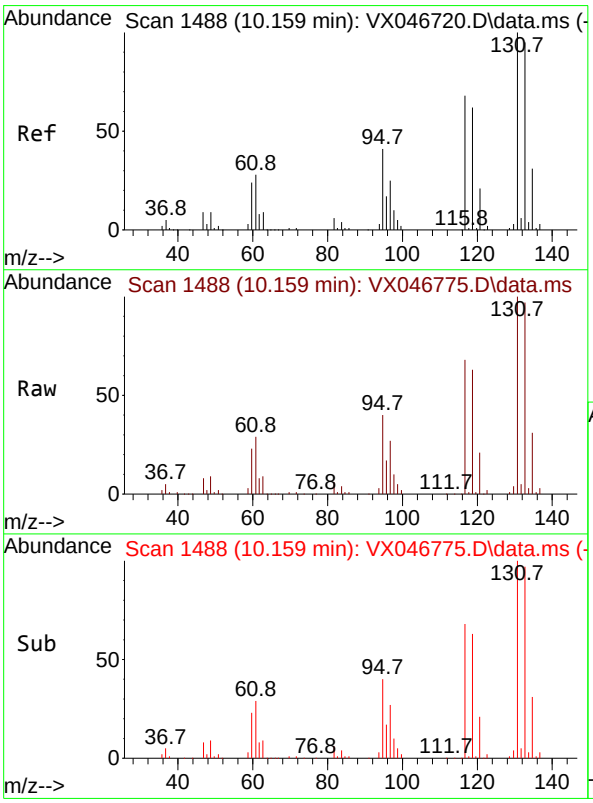
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.5 | 38.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

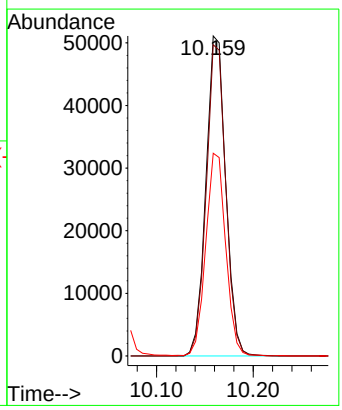


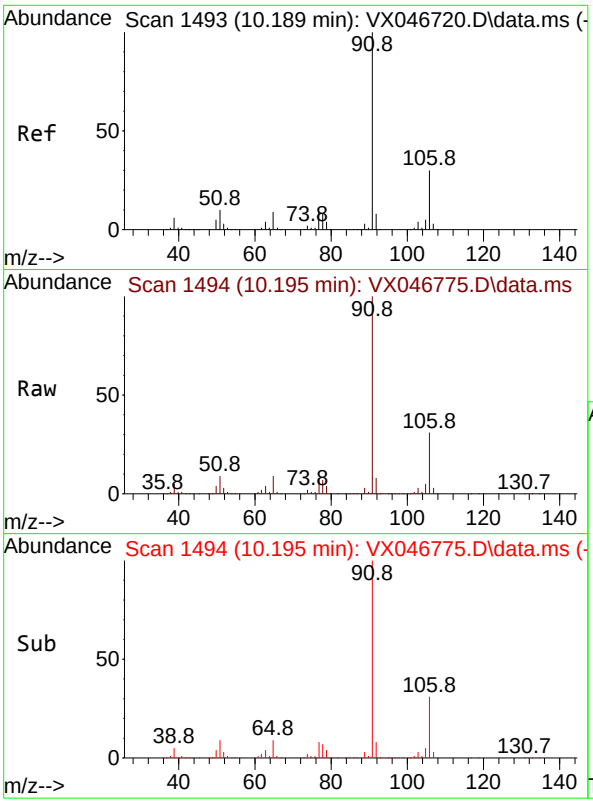




#66
1,1,1,2-Tetrachloroethane
Concen: 51.476 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:131 Resp: 72835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.3 | 141.8 |
| 119 | 63.9 | 32.1 | 96.3 |






#67
Ethyl Benzene
Concen: 51.722 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

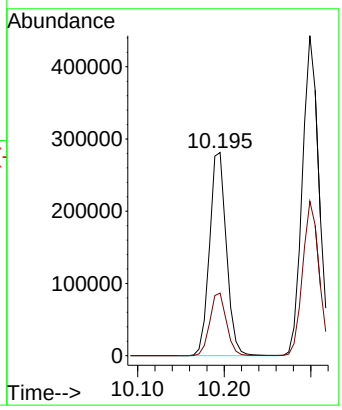
Tgt Ion: 91 Resp: 38046

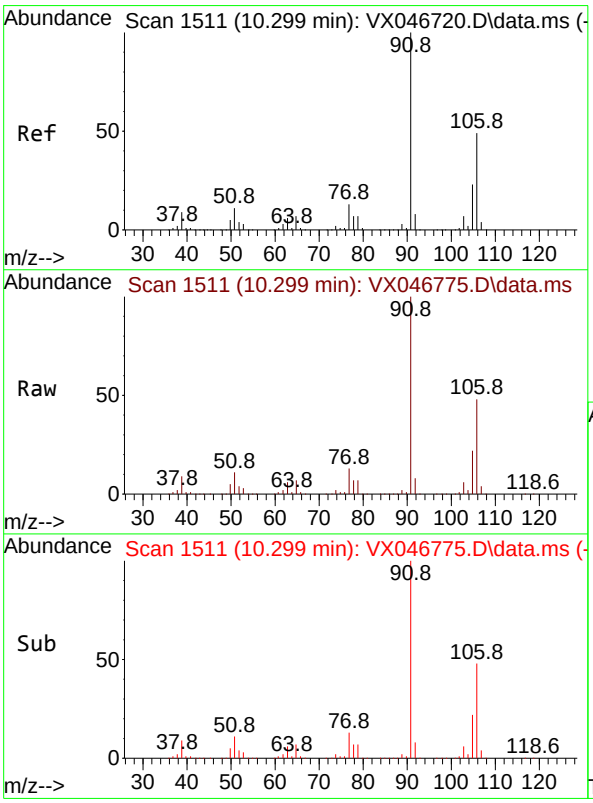
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 24.2 | 36.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

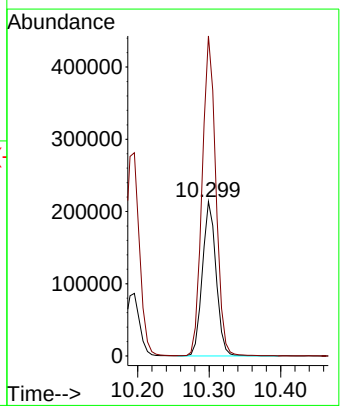


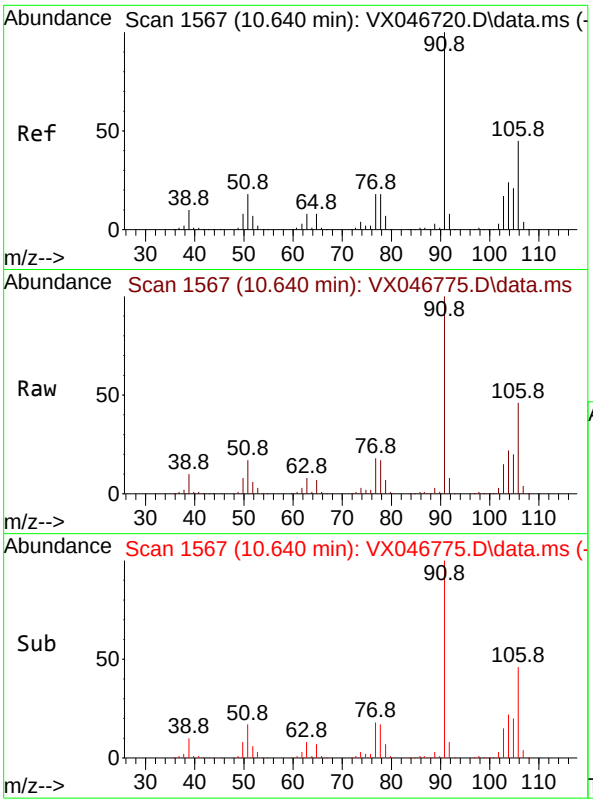




#68
m/p-Xylenes
Concen: 103.739 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:106 Resp: 284342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 164.8 | 247.2 |

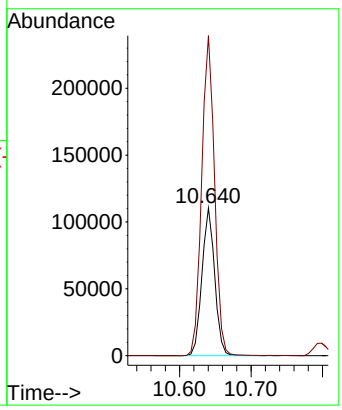





#69
o-Xylene
Concen: 53.151 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:106 Resp: 13653

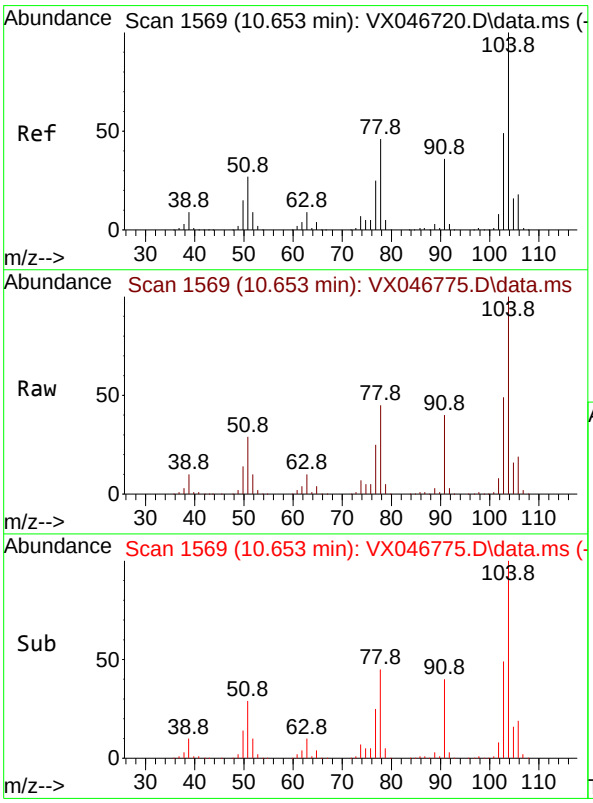
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.1 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

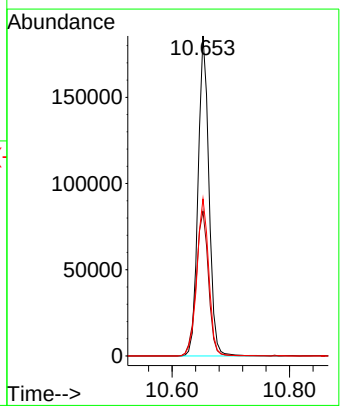
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

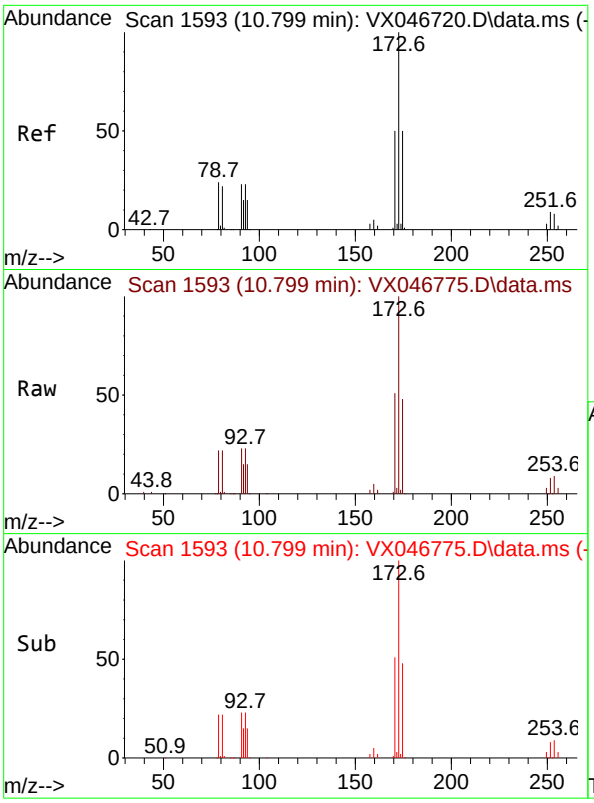



#70
Styrene
Concen: 53.139 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:104 Resp: 238877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.0 | 41.4 | 62.2 |
| 103 | 53.6 | 43.1 | 64.7 |






#71
Bromoform
Concen: 50.164 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

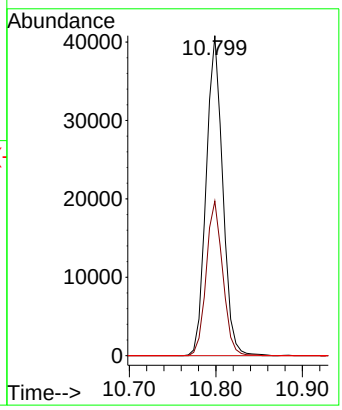
Tgt Ion:173 Resp: 5405

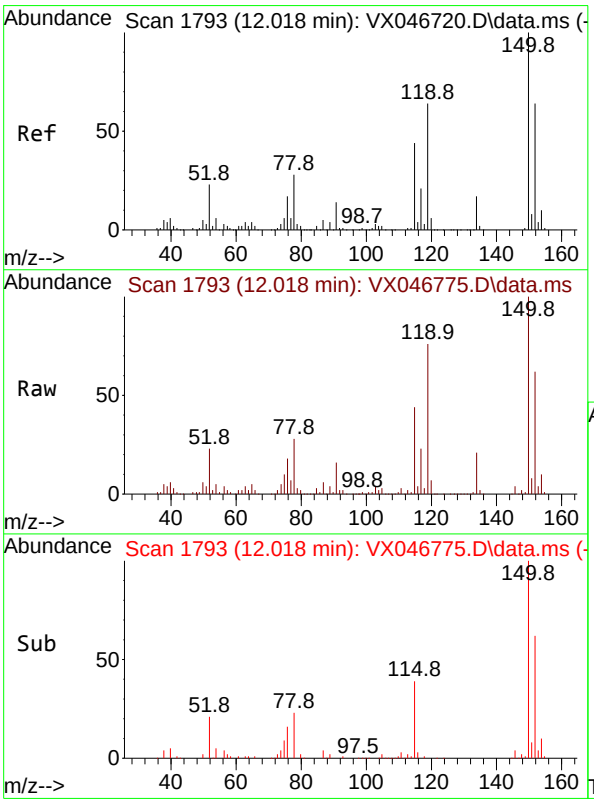
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

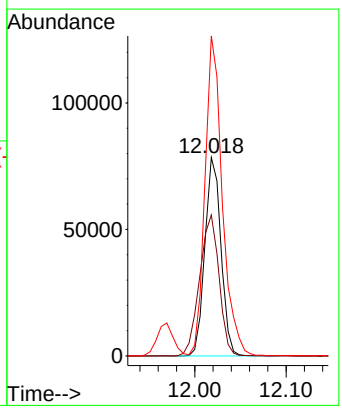


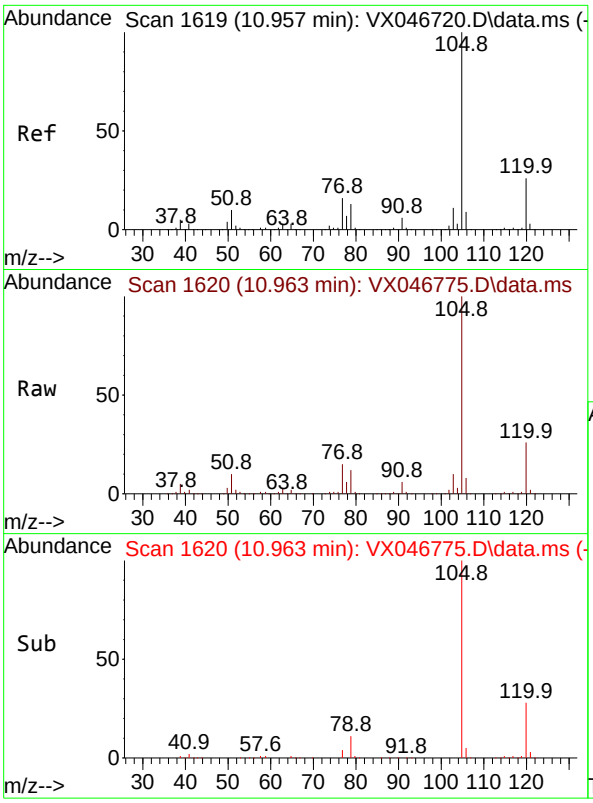




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:152 Resp: 95668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.8 | 43.2 | 129.6 |
| 150 | 173.3 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 51.780 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

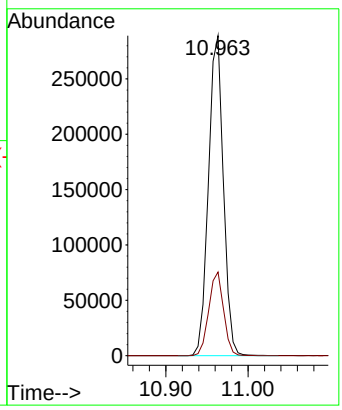
Tgt Ion:105 Resp: 36483

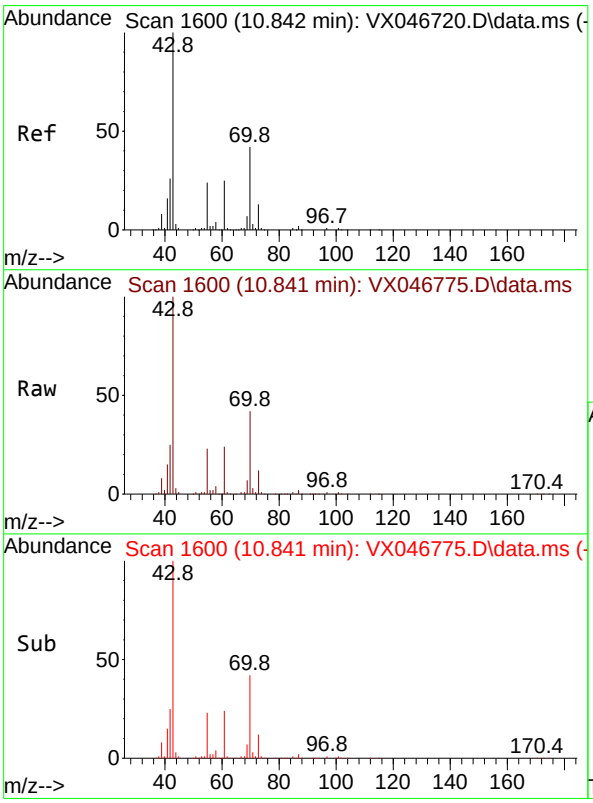
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

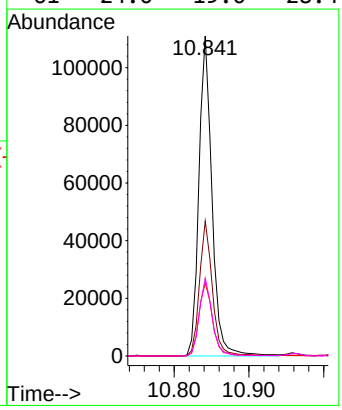


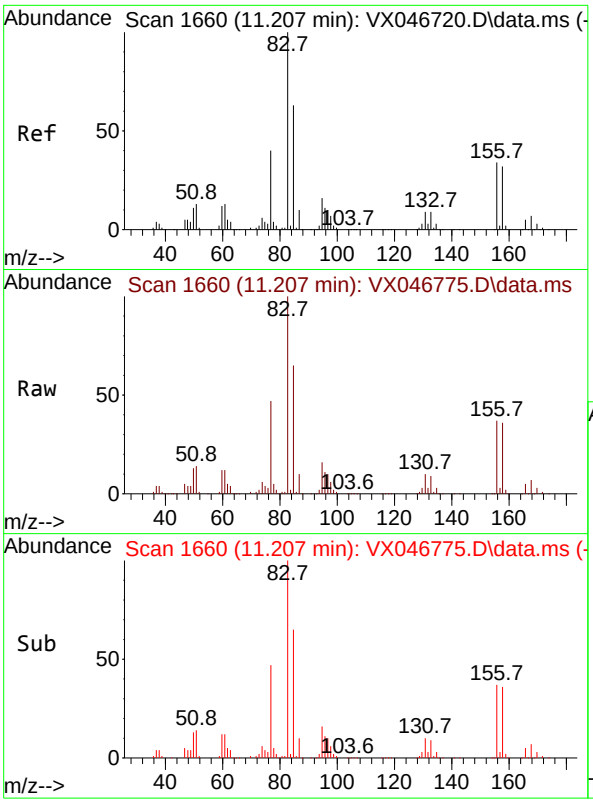




#74
N-amyl acetate
Concen: 50.472 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 134737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.0 | 33.4 | 50.0 |
| 55 | 24.0 | 19.1 | 28.7 |
| 61 | 24.0 | 19.0 | 28.4 |

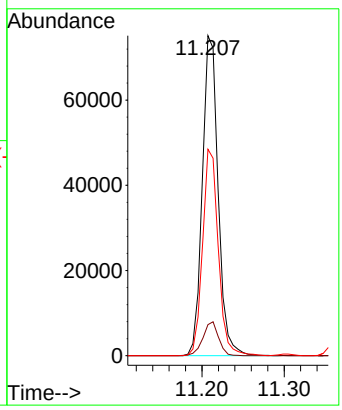





#75
1,1,2,2-Tetrachloroethane
Concen: 50.908 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 10015

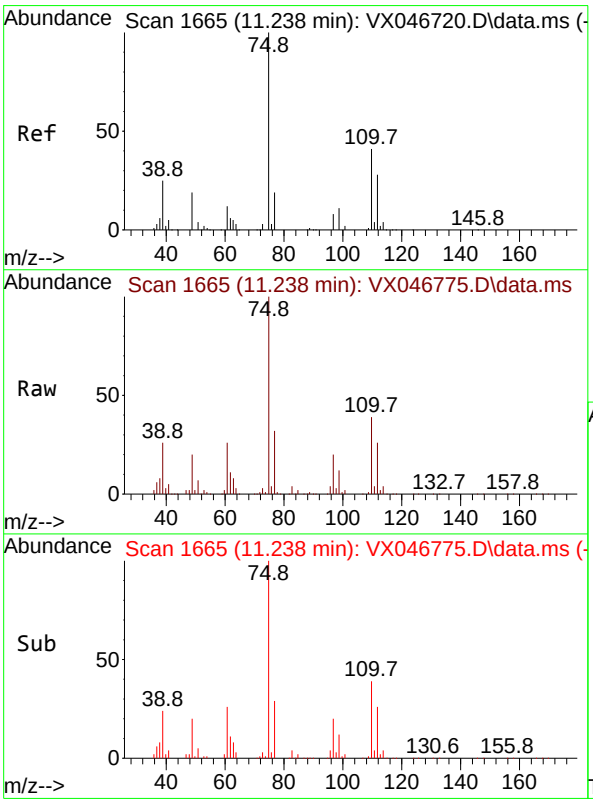
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 4.9 | 14.6 |
| 85 | 64.3 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

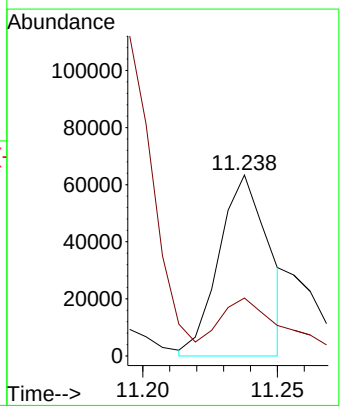
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

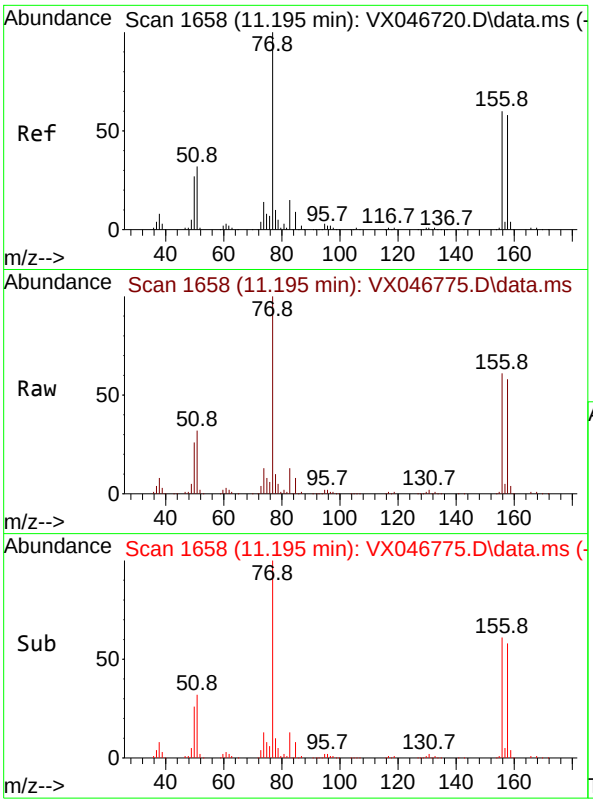



#76
1,2,3-Trichloropropane
Concen: 46.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 81274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.5 | 18.5 | 55.5 |

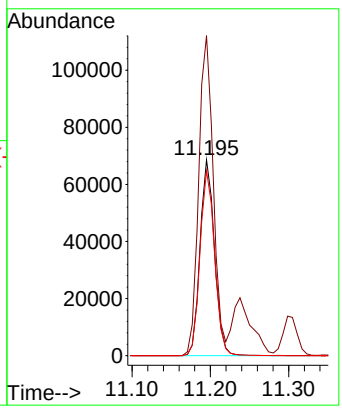





#77
Bromobenzene
Concen: 51.813 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:156 Resp: 8785

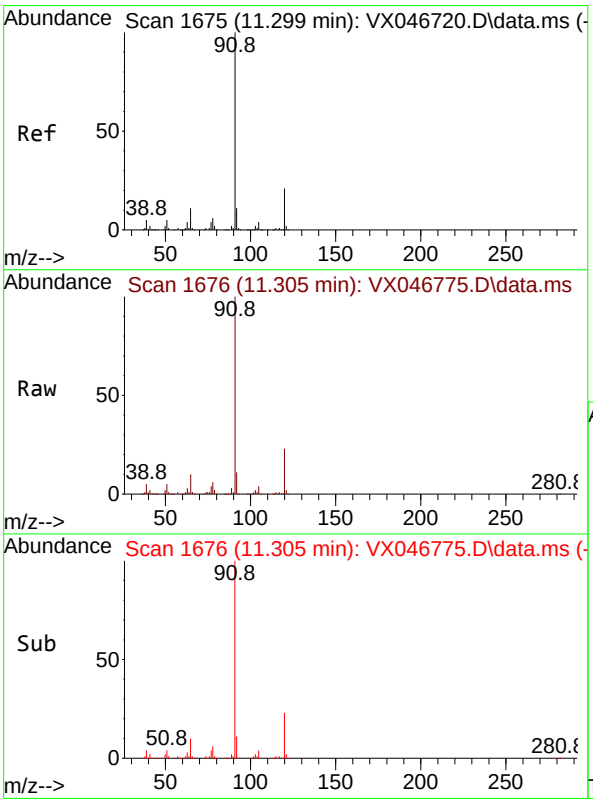
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.9 | 82.8 | 248.6 |
| 158 | 95.3 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

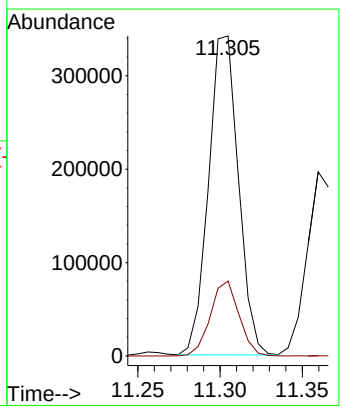
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

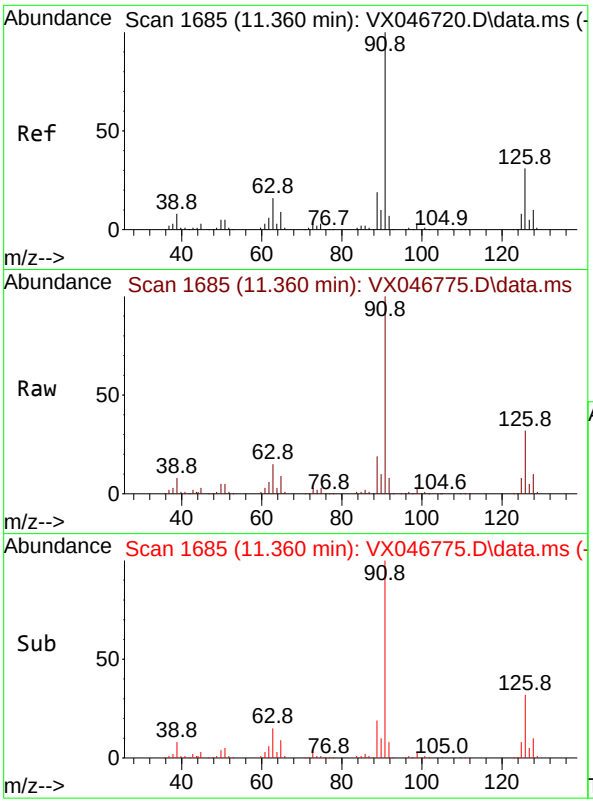



#78
n-propylbenzene
Concen: 51.735 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 91 Resp: 432963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 49.914 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

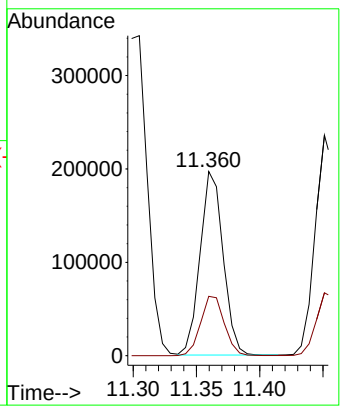
Tgt Ion: 91 Resp: 24940

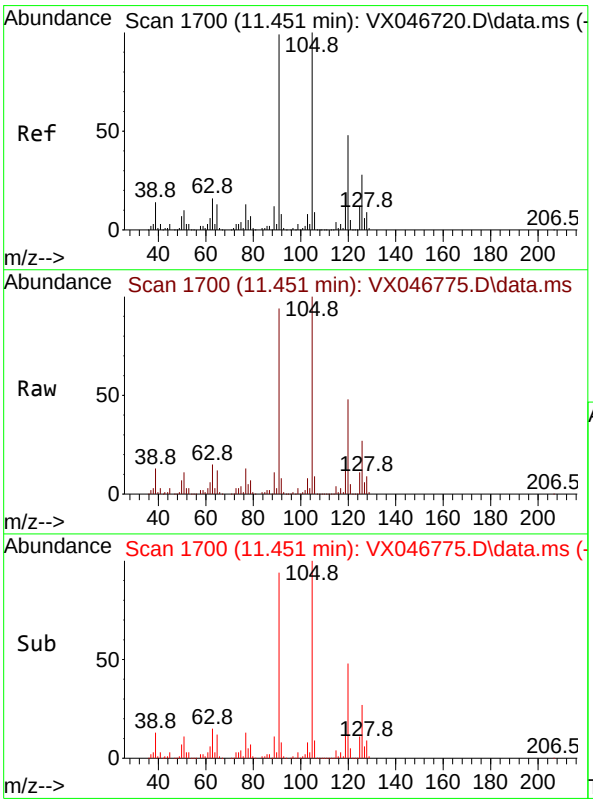
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

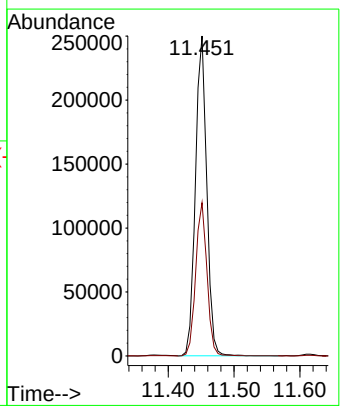


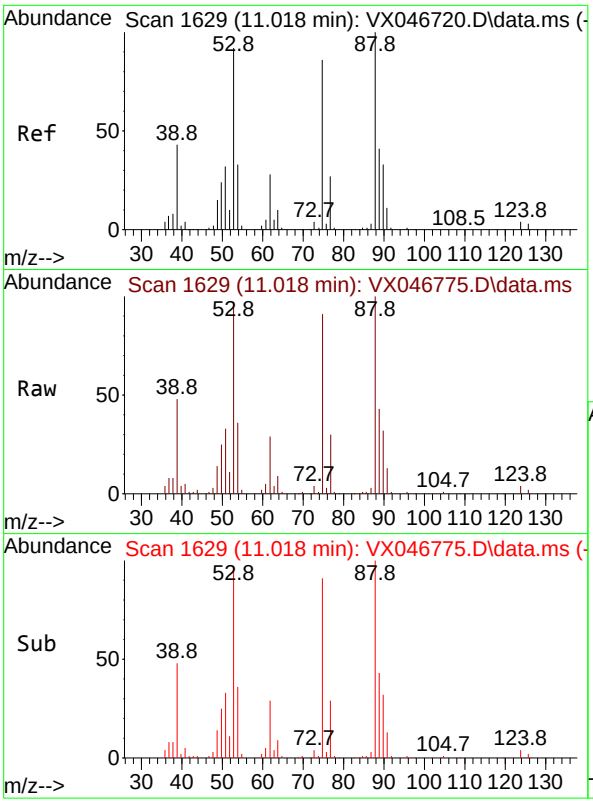




#80
1,3,5-Trimethylbenzene
Concen: 51.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:105 Resp: 298594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.2 |

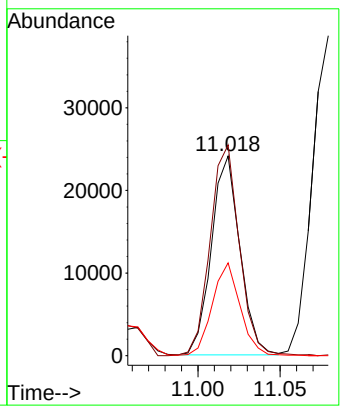





#81
trans-1,4-Dichloro-2-butene
Concen: 47.021 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 2914

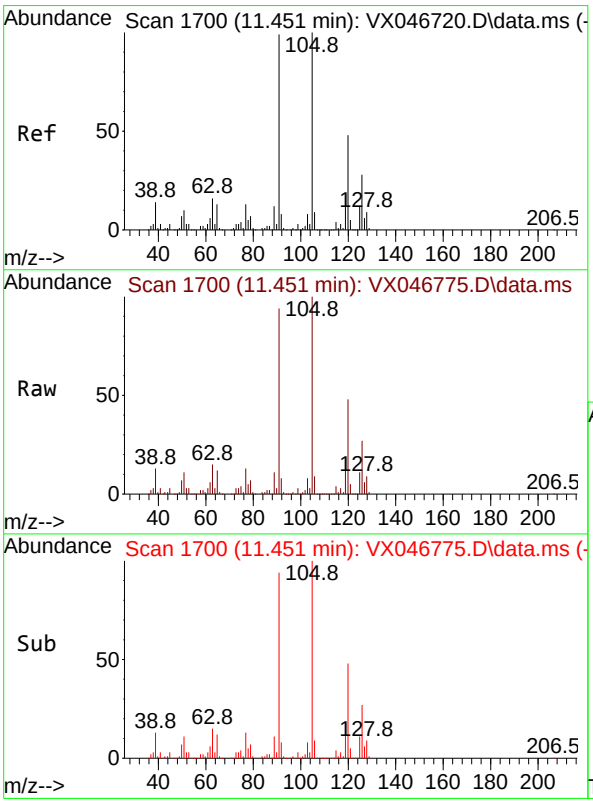
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.3 | 86.8 | 130.2 |
| 89 | 45.6 | 36.9 | 55.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

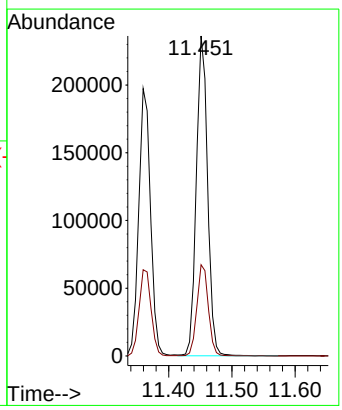
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

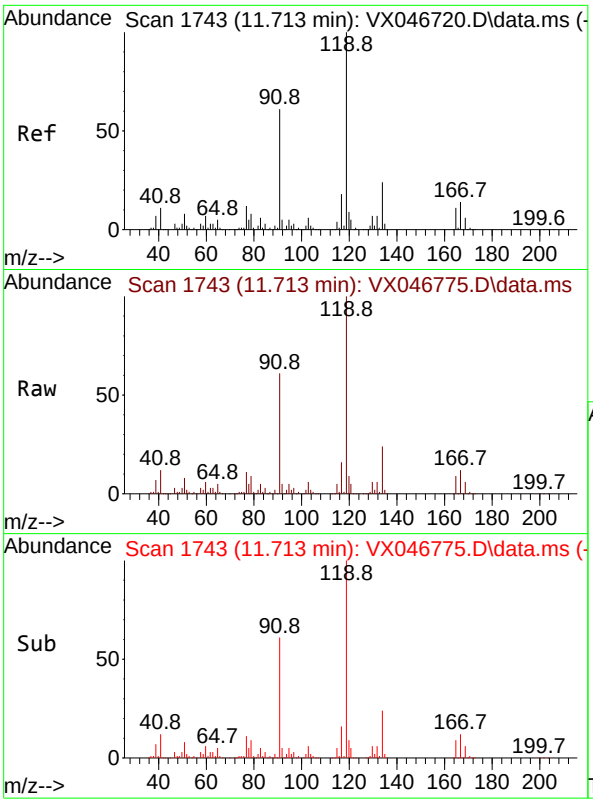



#82
4-Chlorotoluene
Concen: 50.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 91 Resp: 293281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |

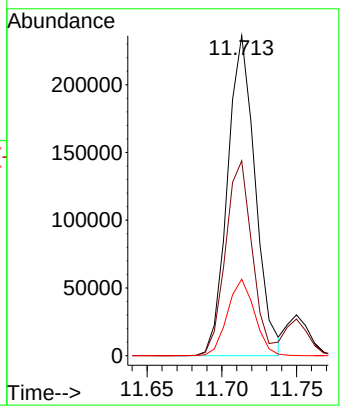





#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:119 Resp: 30419

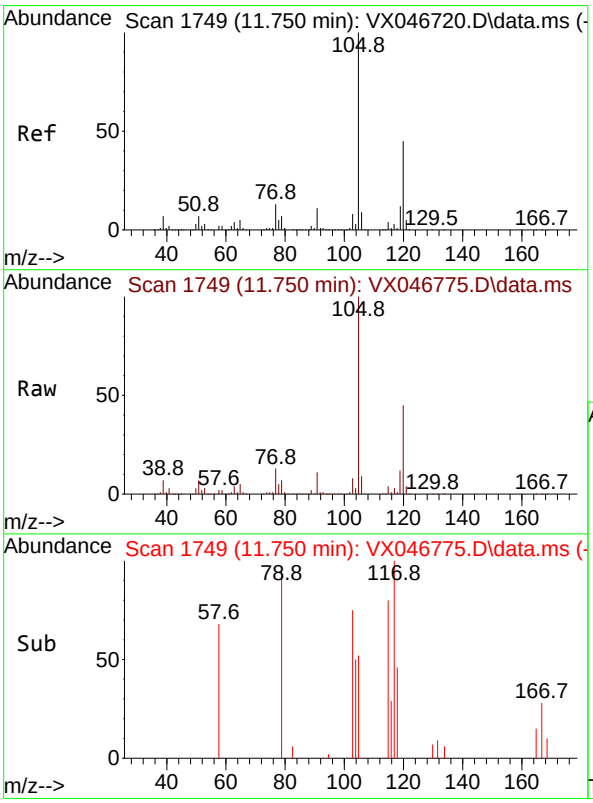
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.5 | 29.5 | 88.6 |
| 134 | 23.4 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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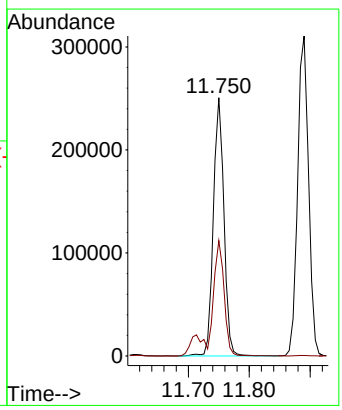
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

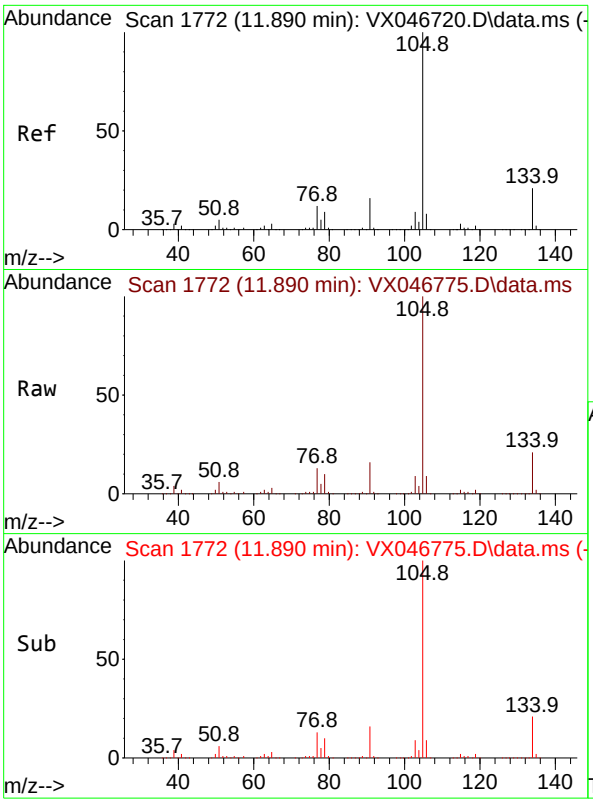



#84
1,2,4-Trimethylbenzene
Concen: 51.927 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:105 Resp: 302076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 22.1 | 66.3 |






#85
sec-Butylbenzene
Concen: 51.281 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

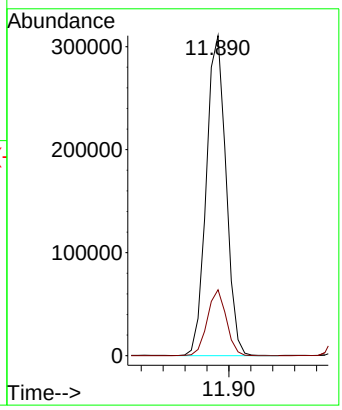
Tgt Ion:105 Resp: 38789

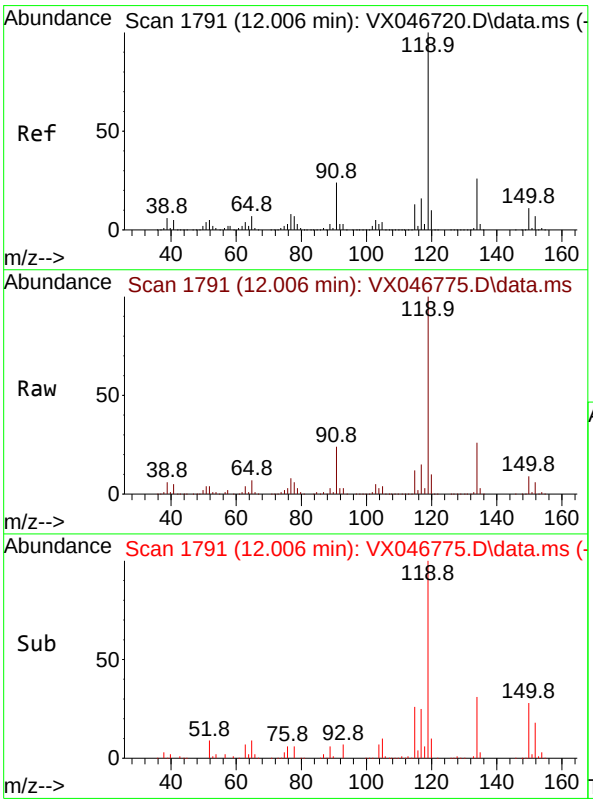
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

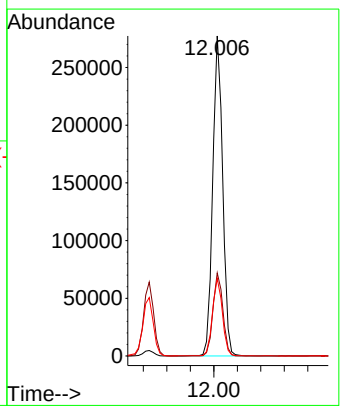


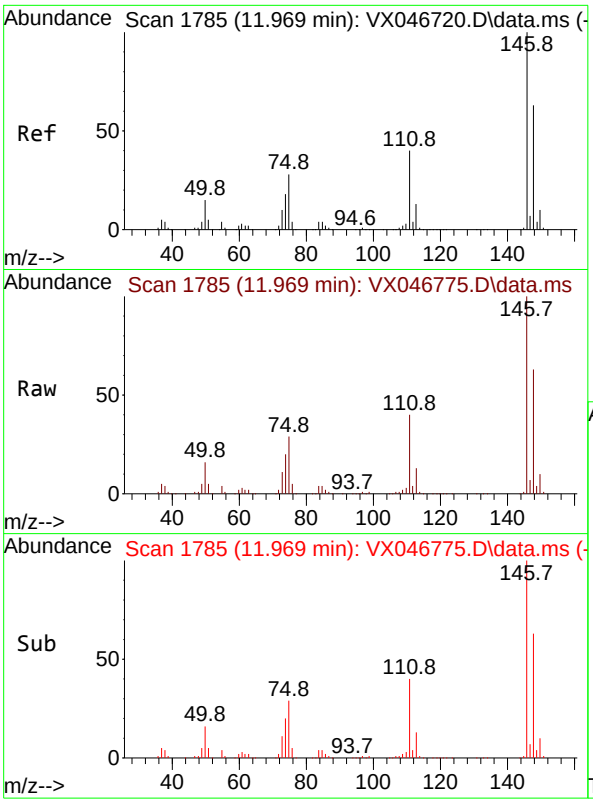




#86
p-Isopropyltoluene
Concen: 51.067 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:119 Resp: 325914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 24.2 | 12.3 | 36.9 |

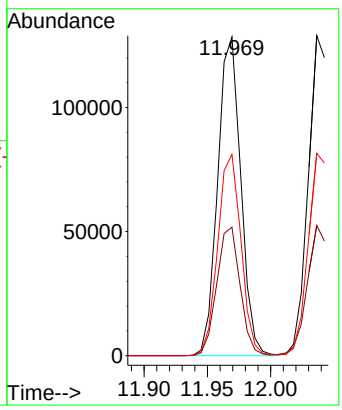





#87
1,3-Dichlorobenzene
Concen: 49.259 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

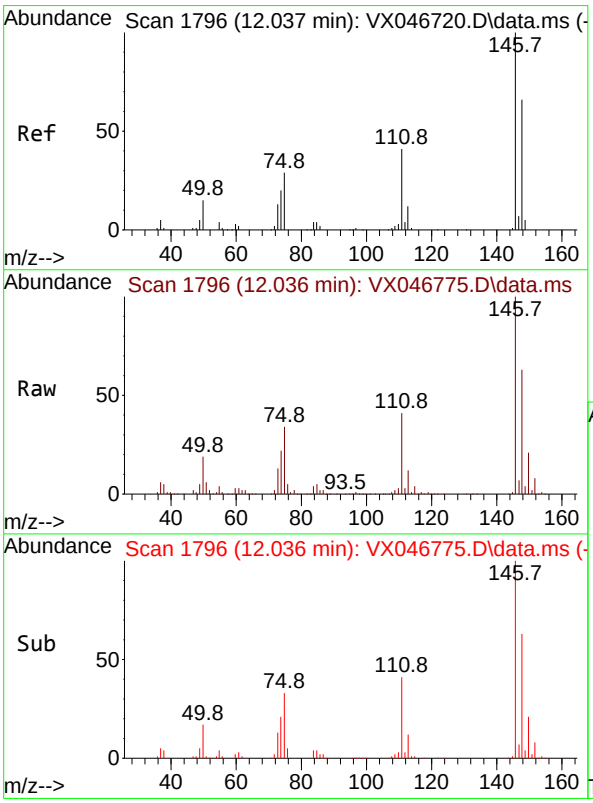
Tgt Ion:146 Resp: 16285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 63.7 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

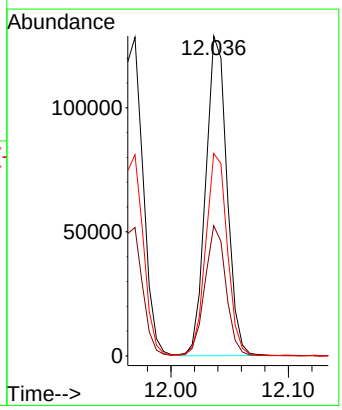
**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

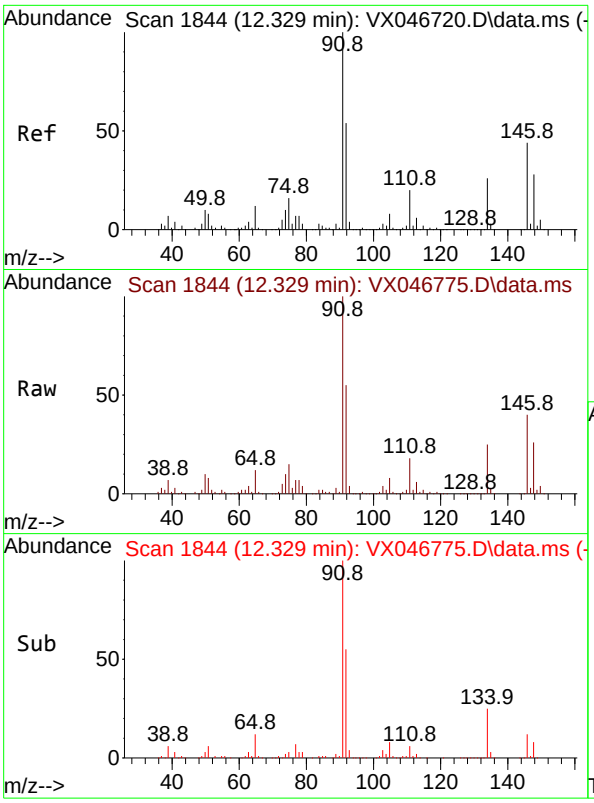



#88
1,4-Dichlorobenzene
Concen: 47.505 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:146 Resp: 161313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.9 | 32.1 | 96.5 |






#89
n-Butylbenzene
Concen: 50.967 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

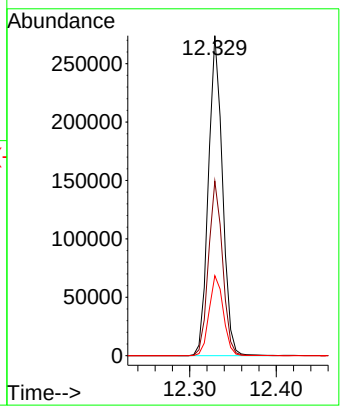
Tgt Ion: 91 Resp: 30884

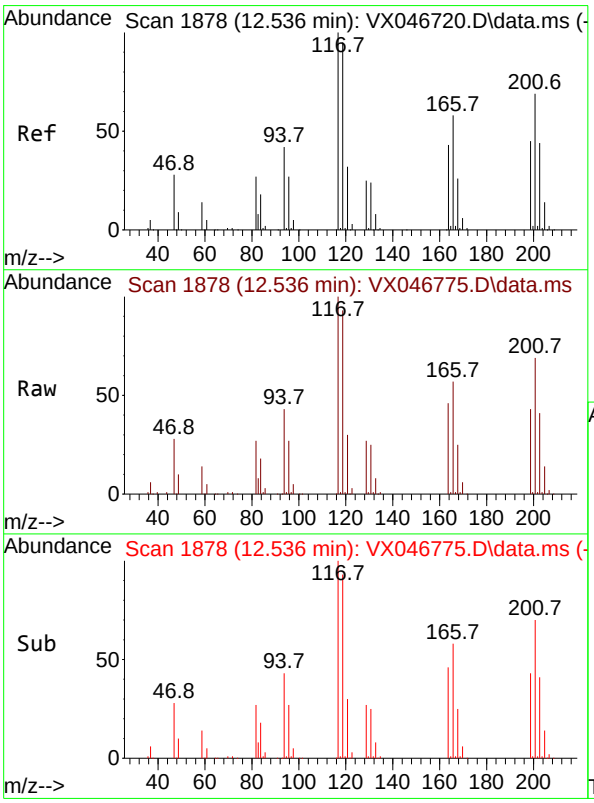
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.1 | 81.3 |
| 134 | 25.4 | 12.9 | 38.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

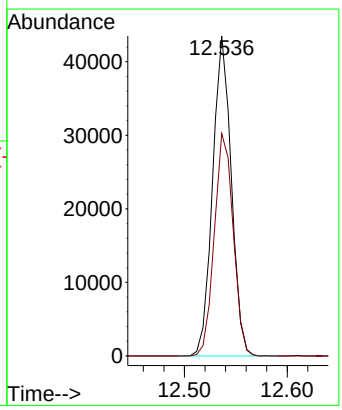


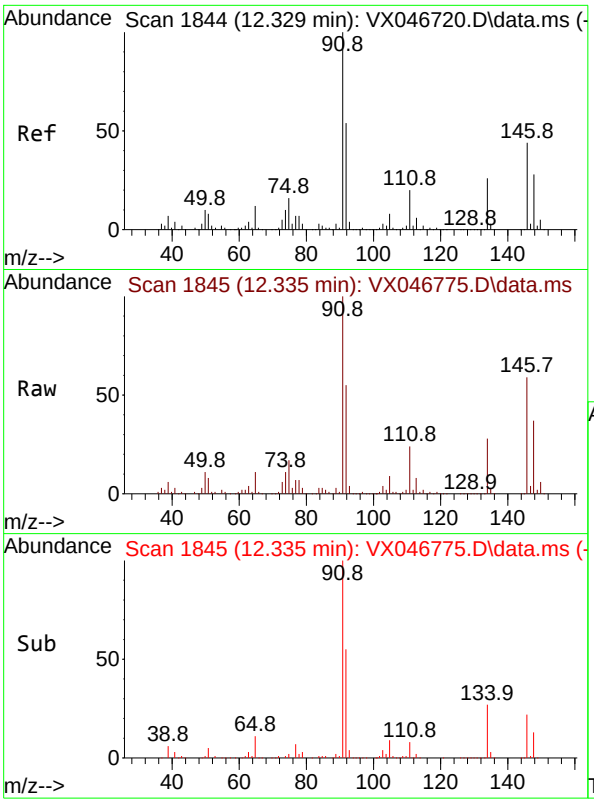




#90
Hexachloroethane
Concen: 48.908 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 54659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |

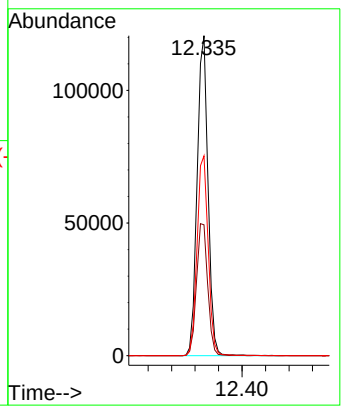





#91
1,2-Dichlorobenzene
Concen: 50.145 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:146 Resp: 15491

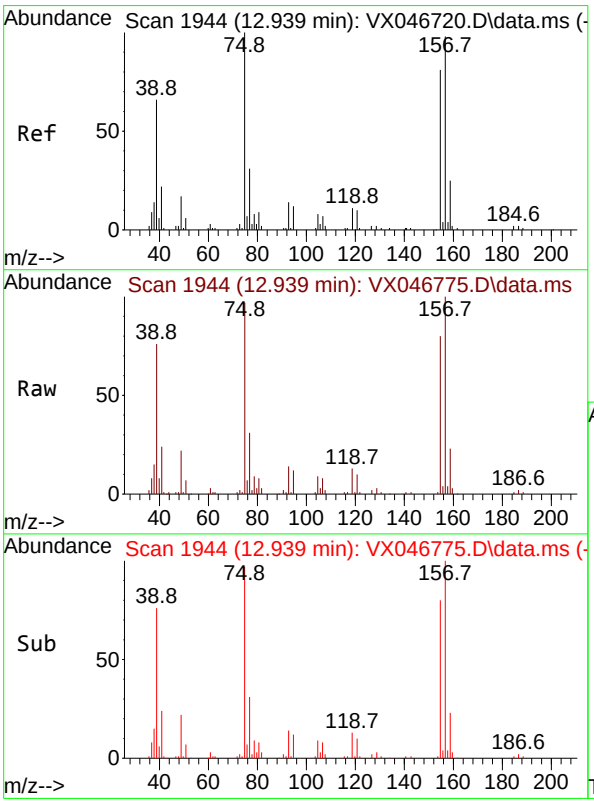
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.7 | 65.1 |
| 148 | 64.1 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

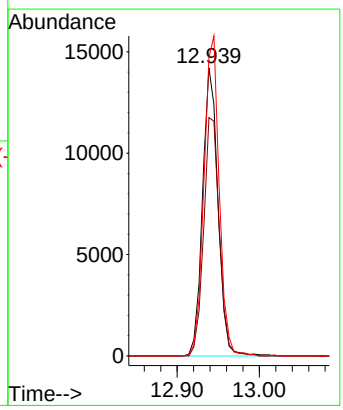
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

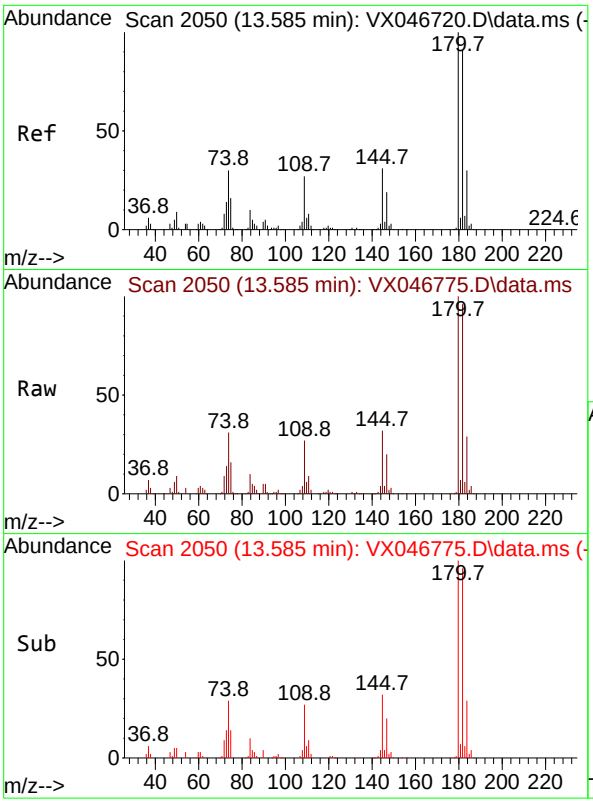



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.738 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 18542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.1 | 41.9 | 125.7 |
| 157 | 109.5 | 51.4 | 154.3 |

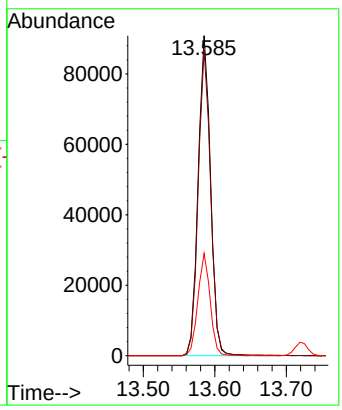





#93
1,2,4-Trichlorobenzene
Concen: 49.769 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:180 Resp: 10931

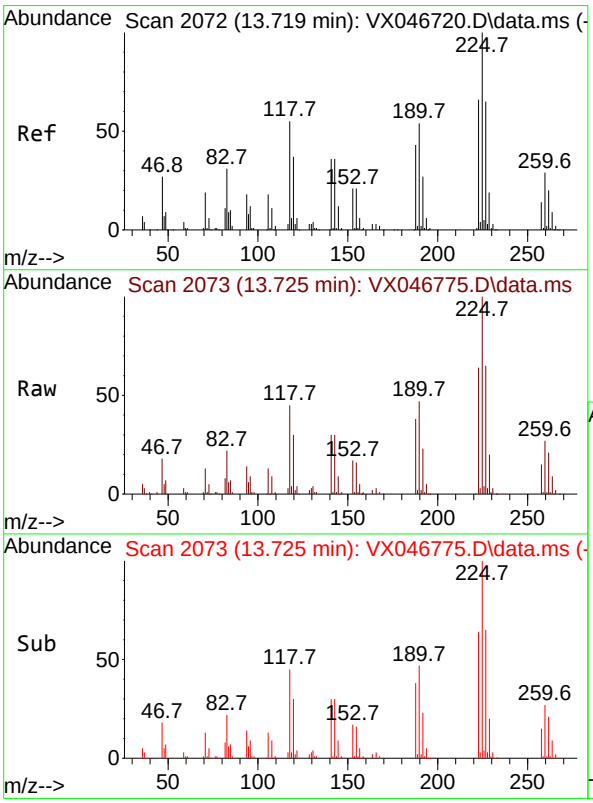
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.7 | 140.1 |
| 145 | 31.5 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

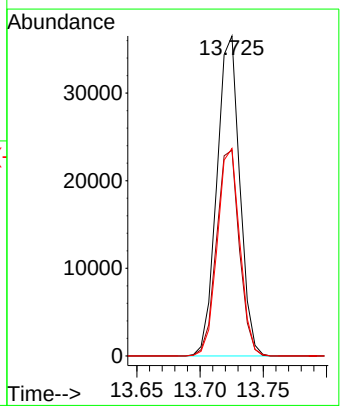
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

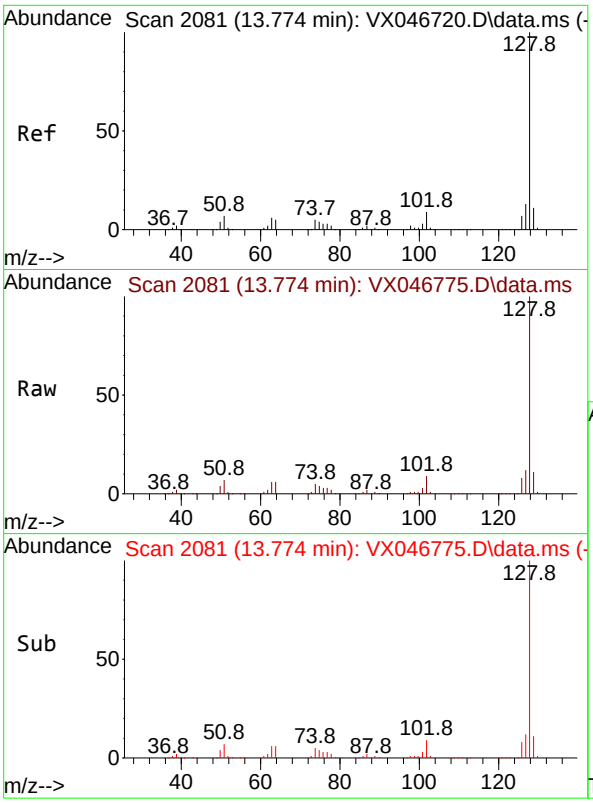



#94
Hexachlorobutadiene
Concen: 49.603 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:225 Resp: 45830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.5 | 97.5 |
| 227 | 63.7 | 32.2 | 96.6 |

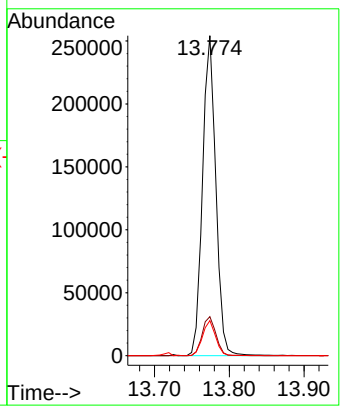





#95
Naphthalene
Concen: 50.093 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

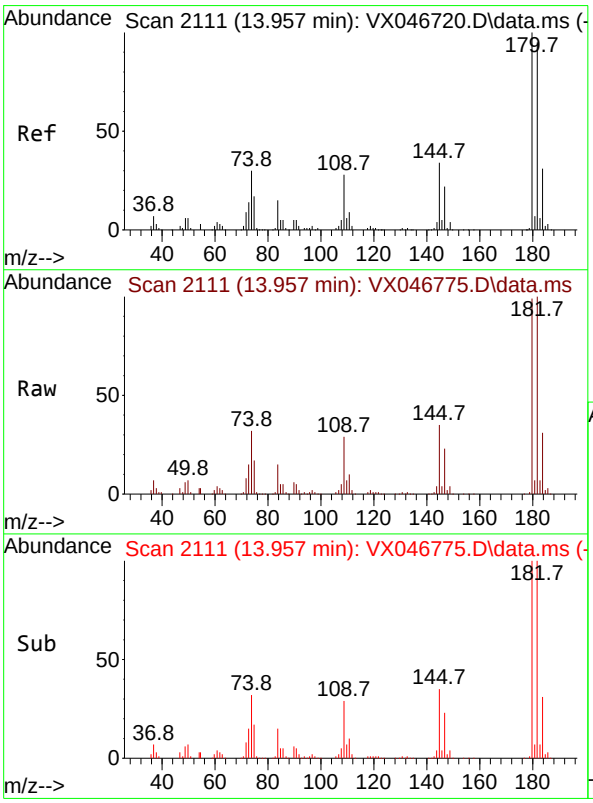
Tgt Ion:128 Resp: 31346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

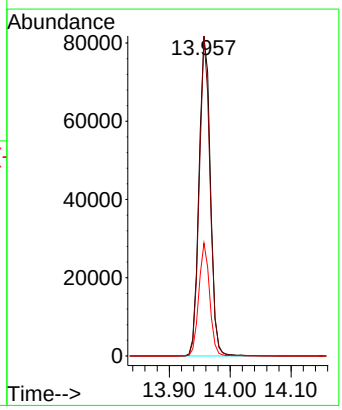
**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 50.228 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:180 Resp: 105543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.8 | 143.4 |
| 145 | 33.7 | 17.3 | 51.9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.573 | -7.3 | 103 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.601 | -4.3 | 106 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.661 | -7.7# | 109 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.382 | -10.4 | 108 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.413 | -11.0 | 115 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.983 | -5.4 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.345 | -7.8 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.614 | -7.3 | 112 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.659 | -2.6 | 106 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.054 | 12.9 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.592 | -7.2# | 109 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.108 | -20.0 | 130 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 1.061 | -6.0 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.287 | -2.9 | 106 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.223 | 3.5 | 106 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.588 | 4.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.608 | -3.8 | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.740 | -1.2 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.645 | -0.6 | 111 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.612 | -3.6 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 2.088 | -8.6 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.632 | -6.7 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.144 | -4.8 | 110 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.334 | -2.5 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.825 | -3.6 | 114 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.729 | -5.0 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.513 | -3.6 | 111 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.216 | -2.4 | 104 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.155 | -5.8# | 109 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 1.061 | -2.4 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.973 | -1.6 | 107 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.648 | 6.4 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.320 | 3.3 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.489 | -2.3 | 109 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.425 | 3.6 | 105 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.513 | 1.0 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.645 | -2.7 | 109 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.472 | -4.2 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.254 | -8.1 | 113 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.505 | -1.6 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.699 | -1.3 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.369 | -2.5 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.363 | -3.7# | 111 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.253 | -0.4 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.529 | -2.9 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.370 | -6.9 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 0.004 | 0.004 | 0.0 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.138 | 4.3 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.419 | -1.9 | 104 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.902 | -3.0# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.490 | -2.7 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.565 | -4.4 | 109 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.339 | -3.7 | 110 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.508 | -5.4 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.578 | -2.8 | 109 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.297 | -18.8 | 112 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.287 | -1.1 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.396 | -2.9 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.339 | -2.1 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.431 | 2.7 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.348 | -0.6 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.134 | -2.7 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.382 | -3.0 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.995 | -3.4# | 110 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.745 | -3.6 | 109 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.716 | -6.4 | 110 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.253 | -6.3 | 110 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.283 | -0.4 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.814 | -3.6 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.408 | -0.9 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 1.047 | -1.8 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.850 | 7.2 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.918 | -3.6 | 111 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.526 | -3.5 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.607 | 0.2 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 3.121 | -3.1 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.305 | 5.9 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.066 | -0.6 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.180 | -1.7 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 3.158 | -3.9 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 4.055 | -2.6 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.407 | -2.1 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.702 | 1.5 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.686 | 5.0 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.228 | -1.9 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.571 | 2.2 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.619 | -0.2 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.194 | 4.4 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.143 | 0.4 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.479 | 0.8 | 107 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.277 | -0.2 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 1.098 | 1.103 | -0.5 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 53.629 | -7.3 | 103 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.149 | -4.3 | 106 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 53.822 | -7.6# | 109 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.188 | -10.4 | 108 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 55.480 | -11.0 | 115 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.659 | -5.3 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.840 | -7.7 | 112 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.654 | -7.3 | 112 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.314 | 7.4 | 106 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 217.898 | 12.8 | 92 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.603 | -7.2# | 109 | 0.00 |
| 13 | T | Acrolein | 250.000 | 298.999 | -19.6 | 130 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.017 | -6.0 | 111 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 257.376 | -3.0 | 106 | 0.00 |
| 16 | T | Acetone | 250.000 | 241.828 | 3.3 | 106 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.607 | 4.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.889 | -3.8 | 110 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.585 | -1.2 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.266 | -0.5 | 111 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.786 | -3.6 | 109 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.281 | -8.6 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 266.763 | -6.7 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.369 | -4.7 | 110 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 256.282 | -2.5 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.768 | -3.5 | 114 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.513 | -5.0 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.765 | -3.5 | 111 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 255.819 | -2.3 | 104 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.894 | -5.8# | 109 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.222 | -2.4 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.784 | -1.6 | 107 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.825 | 6.3 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.316 | 3.4 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.182 | -2.4 | 109 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.219 | 3.6 | 105 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.529 | 0.9 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.281 | -2.6 | 109 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.086 | -4.2 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.078 | -8.2 | 113 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.860 | -1.7 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.655 | -1.3 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.252 | -2.5 | 110 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.797 | -3.6# | 111 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.201 | -0.4 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.475 | -3.0 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.494 | -7.0 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 894.415 | 10.6 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.880 | 4.2 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.472 | -1.8 | 104 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.477 | -3.0# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.427 | -2.9 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.254 | -4.5 | 109 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.978 | -4.0 | 110 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.671 | -5.3 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.414 | -2.8 | 109 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 296.571 | -18.6 | 112 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 252.021 | -0.8 | 102 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.500 | -3.0 | 108 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.083 | -2.2 | 107 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.588 | 2.8 | 107 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.181 | -0.4 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.382 | -2.8 | 111 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.476 | -3.0 | 109 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.722 | -3.4# | 110 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.739 | -3.7 | 109 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.151 | -6.3 | 110 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.139 | -6.3 | 110 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.164 | -0.3 | 105 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.780 | -3.6 | 110 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.472 | -0.9 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.908 | -1.8 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 46.384 | 7.2 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.813 | -3.6 | 111 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.735 | -3.5 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.914 | 0.2 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.570 | -3.1 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.021 | 6.0 | 105 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.293 | -0.6 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.825 | -1.7 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.927 | -3.9 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.281 | -2.6 | 109 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.067 | -2.1 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.259 | 1.5 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.505 | 5.0 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.967 | -1.9 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.908 | 2.2 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.145 | -0.3 | 109 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.738 | 4.5 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.769 | 0.5 | 109 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.603 | 0.8 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.093 | -0.2 | 106 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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 | 50.228 | -0.5 | 110 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

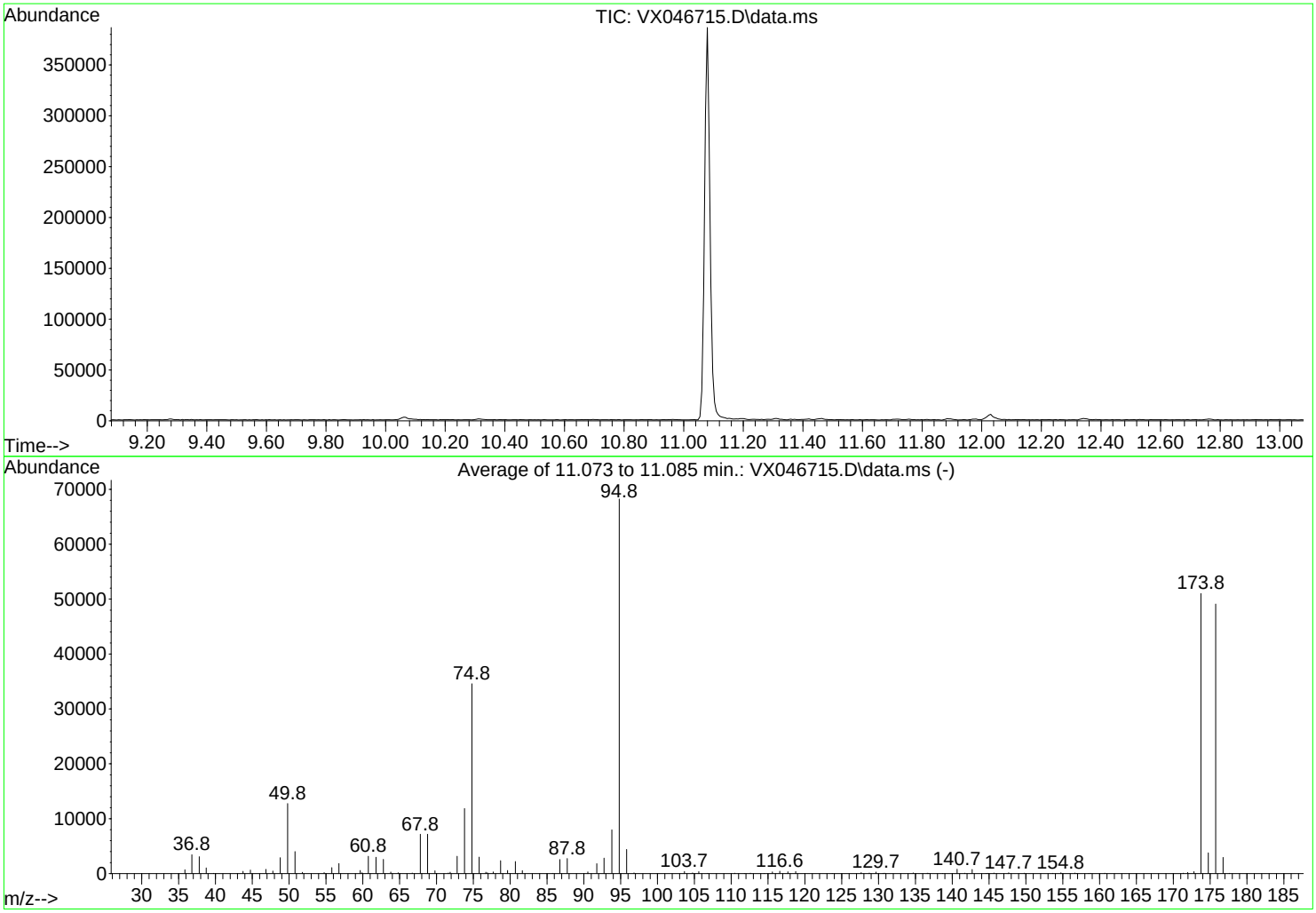
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046715.D
Acq On : 17 Jun 2025 08:46
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\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

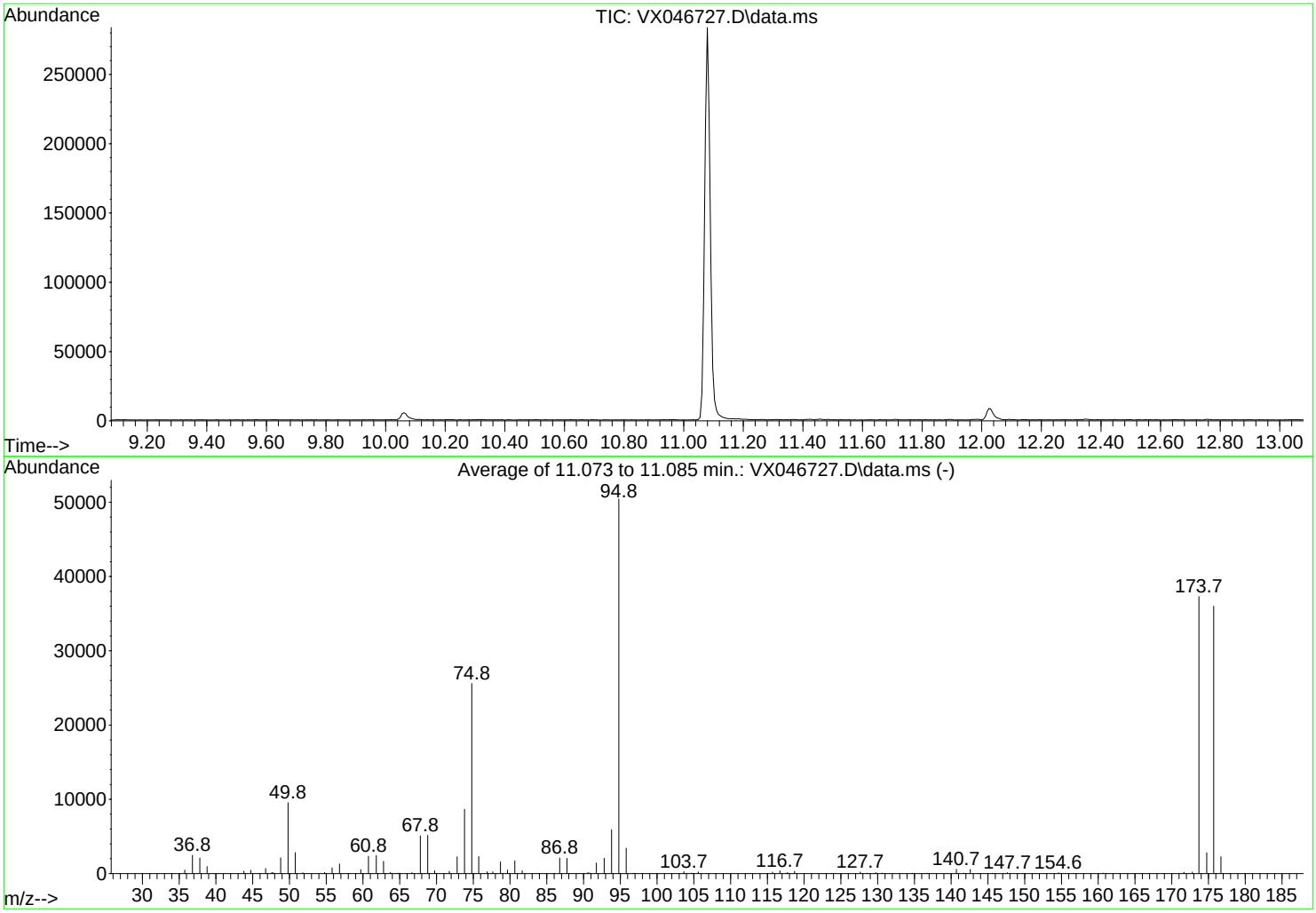
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.7 | 12764 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 34573 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 68235 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4402 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 374 | PASS |
| 174 | 95 | 50 | 100 | 74.8 | 51016 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 3785 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 49101 | PASS |
| 177 | 176 | 5 | 9 | 6.0 | 2956 | PASS |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046727.D
Acq On : 18 Jun 2025 08:59
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\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

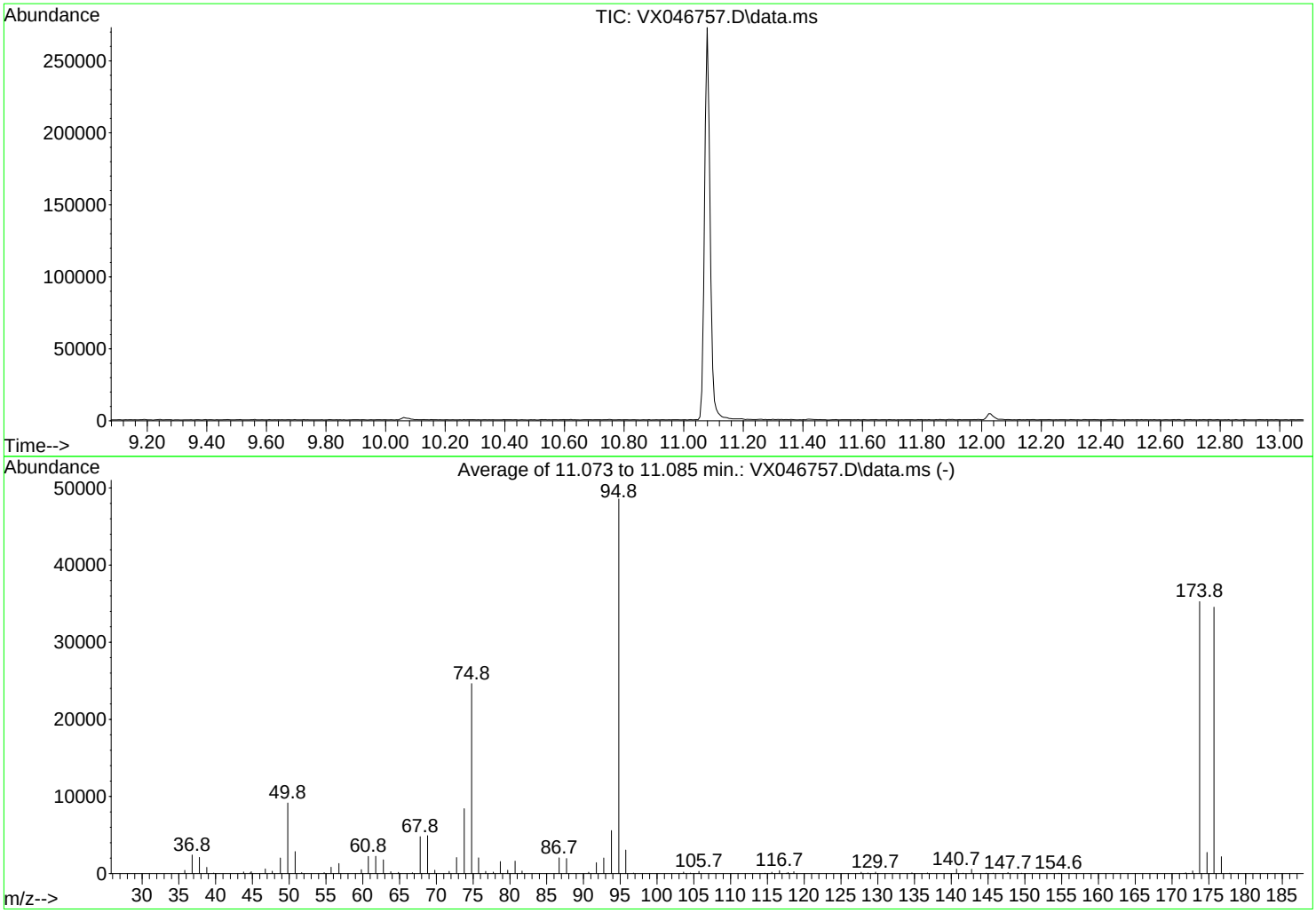
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.9 | 9538 | PASS |
| 75 | 95 | 30 | 60 | 50.8 | 25608 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 50435 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 3435 | PASS |
| 173 | 174 | 0.00 | 2 | 0.6 | 216 | PASS |
| 174 | 95 | 50 | 100 | 74.0 | 37317 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 2809 | PASS |
| 176 | 174 | 95 | 101 | 96.5 | 36000 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 2277 | PASS |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046757.D
Acq On : 19 Jun 2025 08:42
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\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025




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 | 18.8 | 9154 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 24627 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 48571 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 3061 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 352 | PASS |
| 174 | 95 | 50 | 100 | 72.6 | 35267 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 2745 | PASS |
| 176 | 174 | 95 | 101 | 97.9 | 34539 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 2186 | PASS |

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: | VX0618WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046730.D | 1 | | 06/18/25 10:45 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0618WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046730.D | 1 | | 06/18/25 10:45 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 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 | 48.8 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.6 | | 85 - 114 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 167000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 271000 | 6.763 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 242000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 121000 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0618WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046730.D | 1 | | 06/18/25 10:45 | VX061825 |

| 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\VX061825\
Data File : VX046730.D
Acq On : 18 Jun 2025 10:45
Operator : JC/MD
Sample : VX0618WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Quant Time: Jun 19 01:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

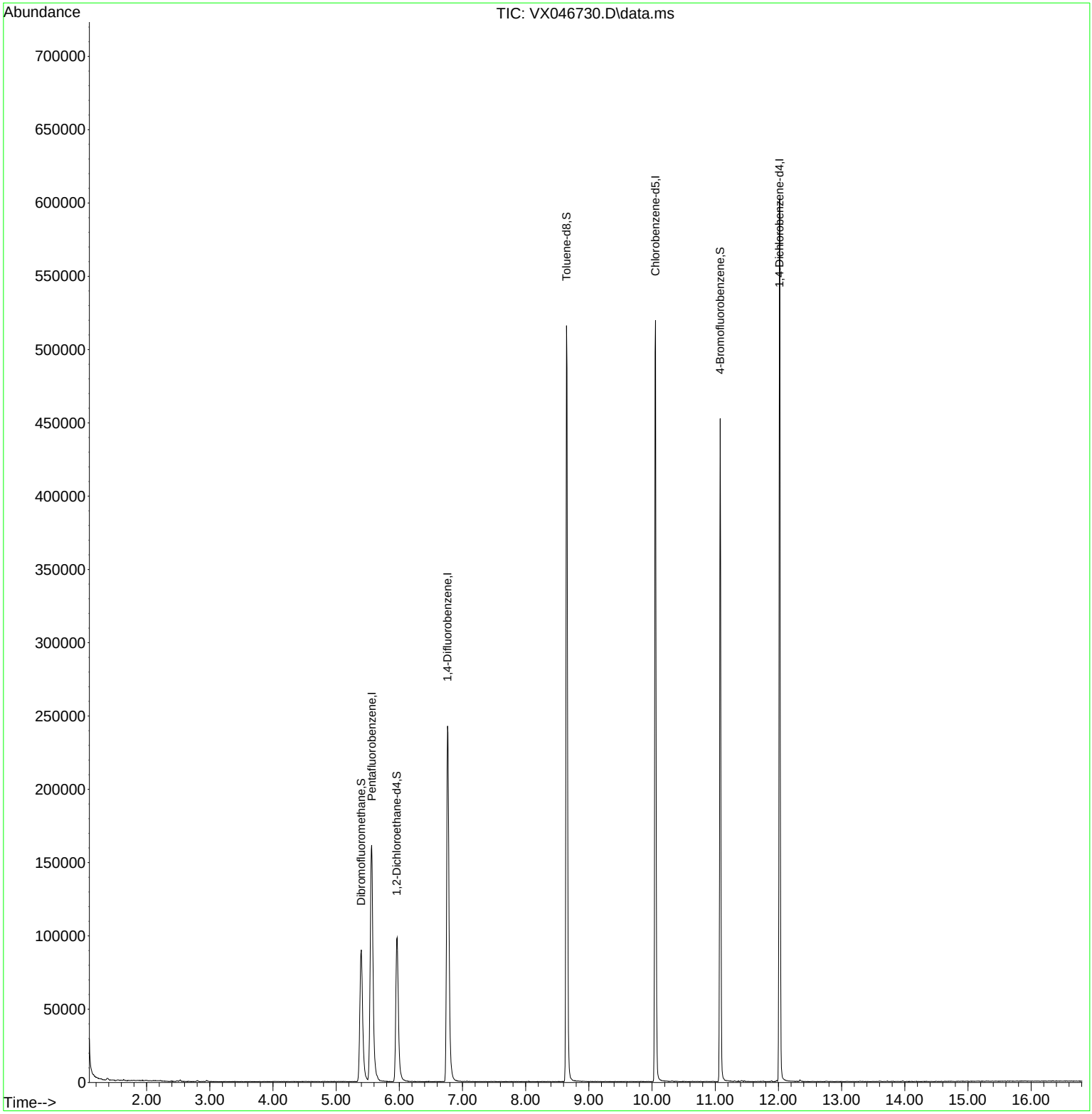
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 167417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 270618 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 242123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121135 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 105292 | 45.469 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.940% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 87372 | 48.798 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.600% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 317817 | 49.405 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 121434 | 50.641 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.280% | | | |
| Target Compounds | | | | | | Qvalue |

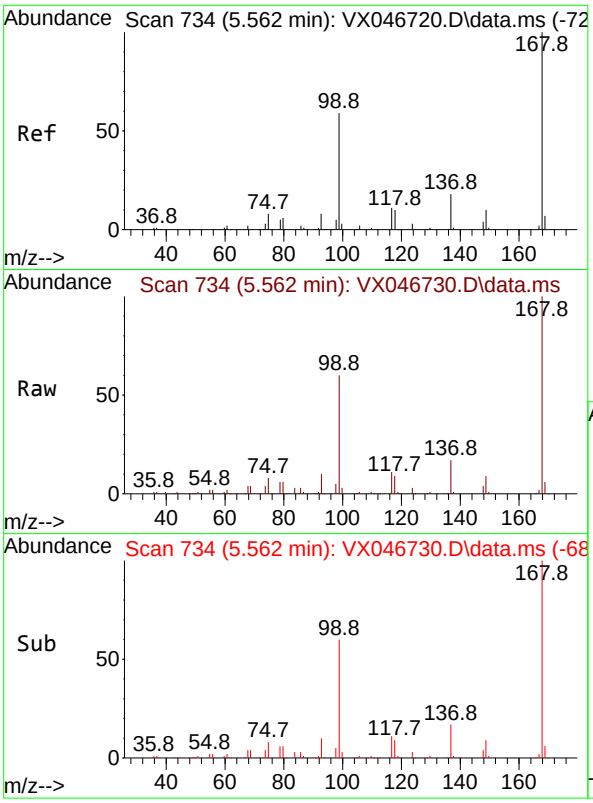
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046730.D
Acq On : 18 Jun 2025 10:45
Operator : JC/MD
Sample : VX0618WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Quant Time: Jun 19 01:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



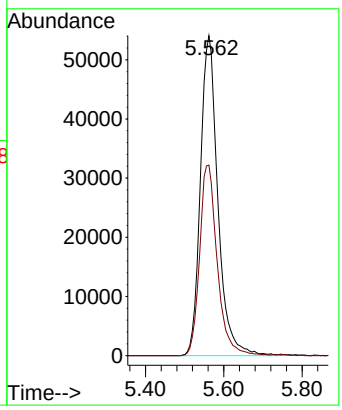


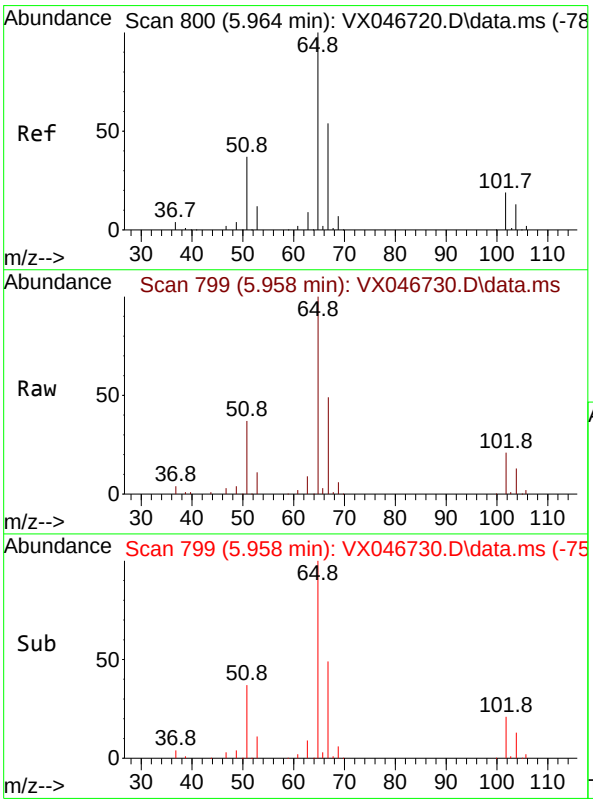

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:168 Resp: 167417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 48.5 | 72.7 |

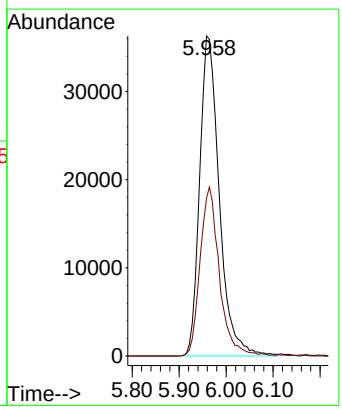


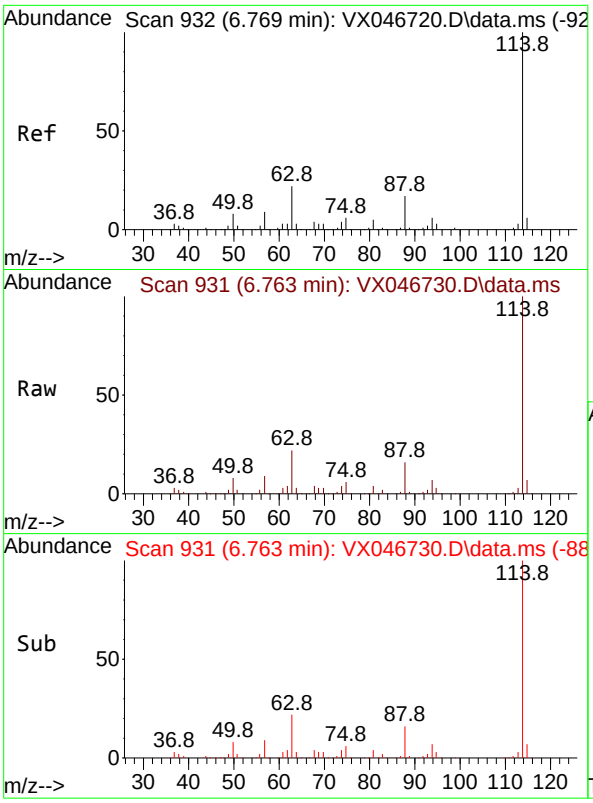




#33
1,2-Dichloroethane-d4
Concen: 45.469 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion: 65 Resp: 105292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.4 |



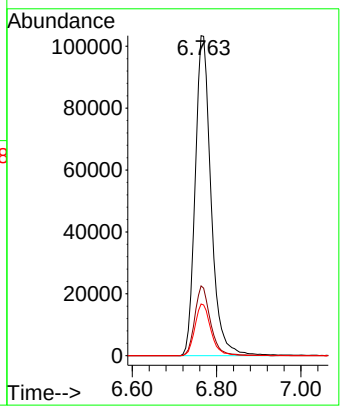


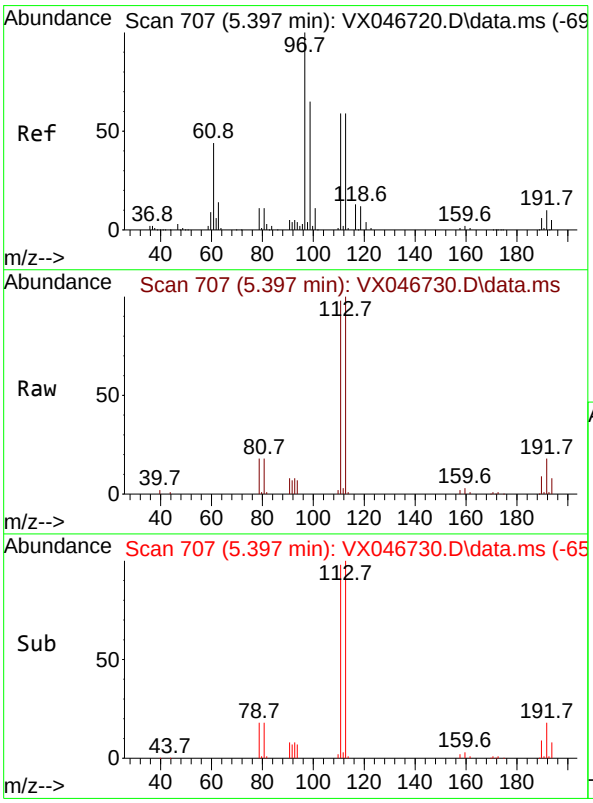

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:114 Resp: 270618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

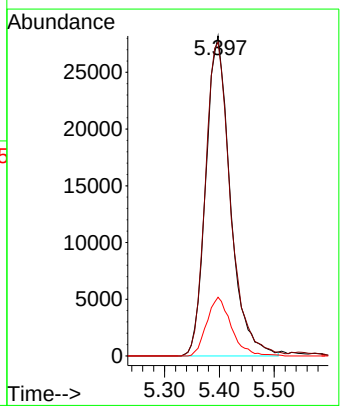


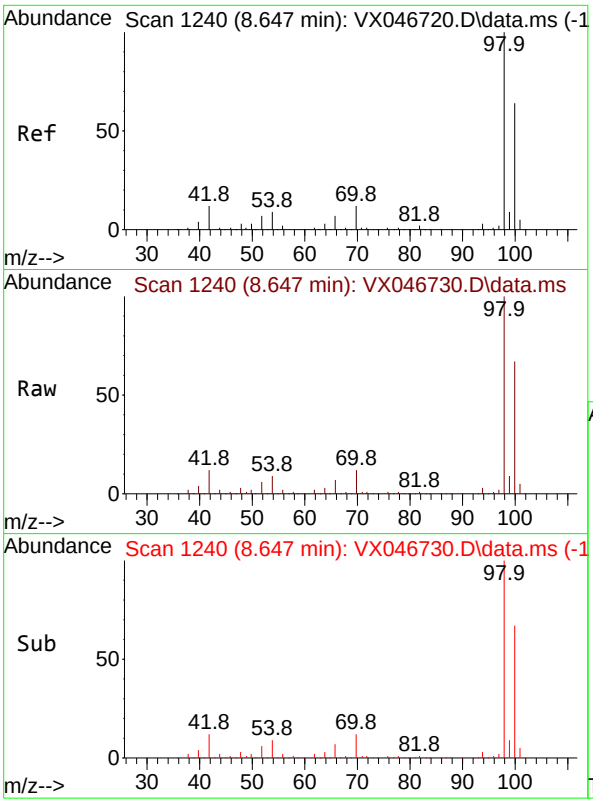




#35
Dibromofluoromethane
Concen: 48.798 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion:113 Resp: 87372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.8 | 82.0 | 123.0 |
| 192 | 18.4 | 15.3 | 22.9 |



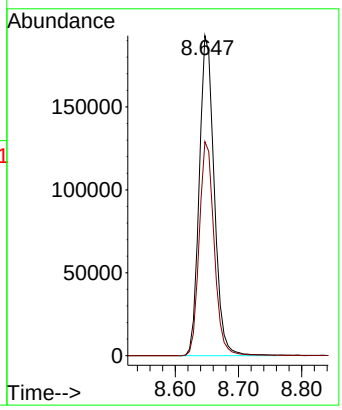


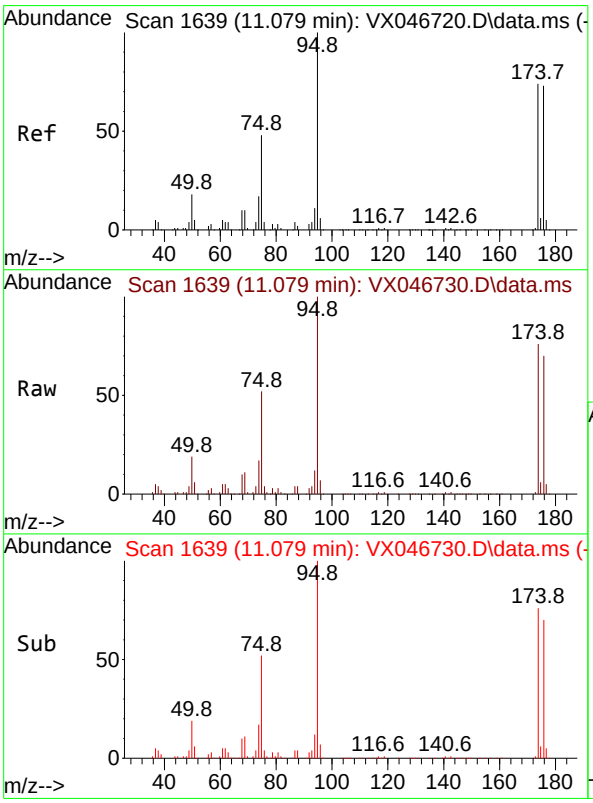

#50
Toluene-d8
Concen: 49.405 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion: 98 Resp: 317817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

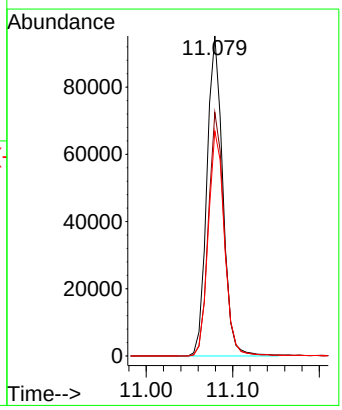


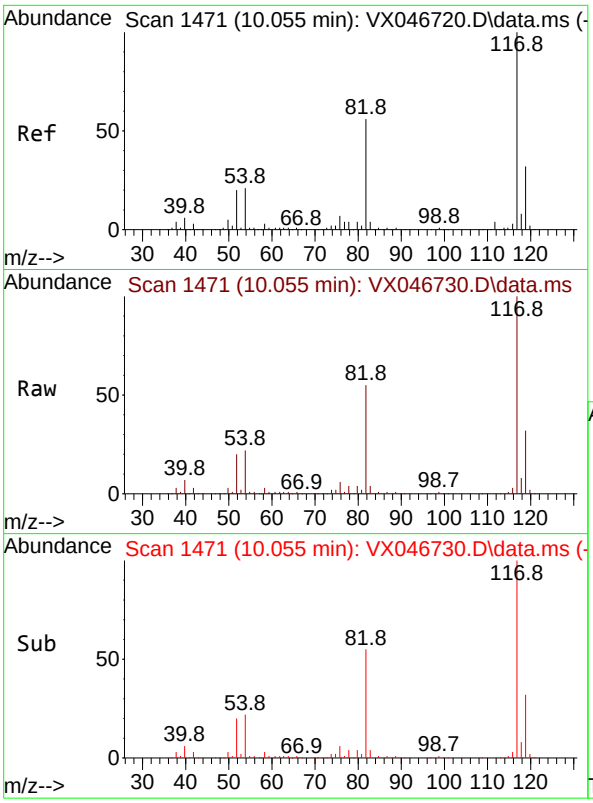




#62
4-Bromofluorobenzene
Concen: 50.641 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion: 95 Resp: 121434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |



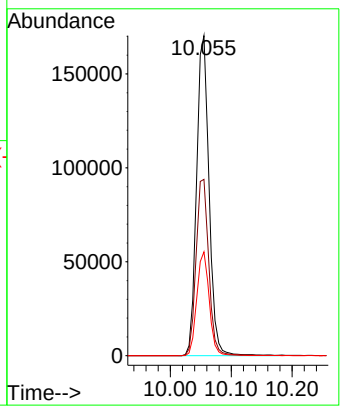


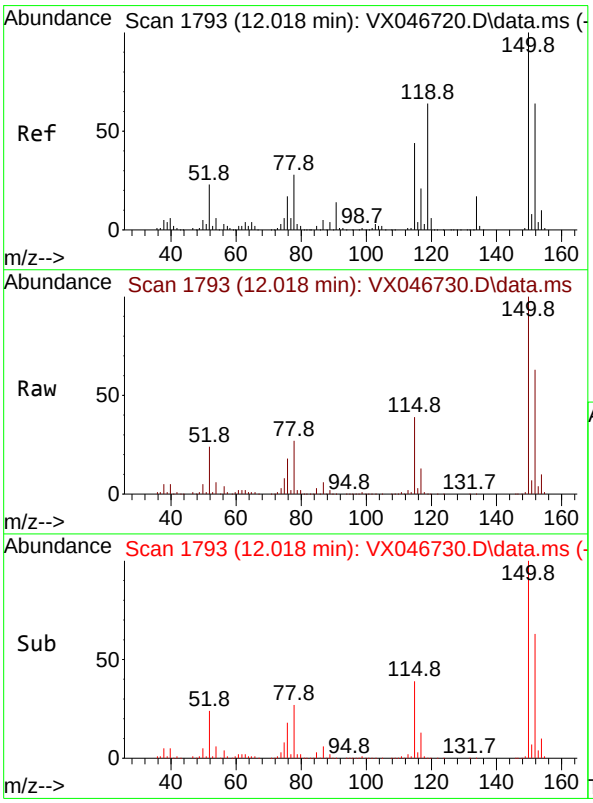

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:117 Resp: 242123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.6 | 66.8 |
| 119 | 32.5 | 25.8 | 38.8 |

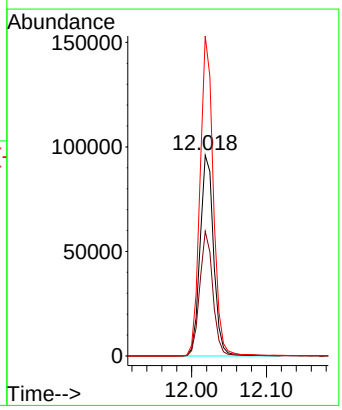



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion:152 Resp: 121135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 43.2 | 129.6 |
| 150 | 155.5 | 0.0 | 346.8 |



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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0619WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046760.D | 1 | | 06/19/25 10:33 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 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 | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 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 | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0619WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046760.D | 1 | | 06/19/25 10:33 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 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 | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.3 | | 81 - 118 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.0 | | 80 - 119 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.0 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.4 | | 85 - 114 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 125000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 212000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 192000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 93000 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0619WBL01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046760.D | 1 | | 06/19/25 10:33 | VX061925 |

| 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 Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Quant Time: Jun 20 05:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

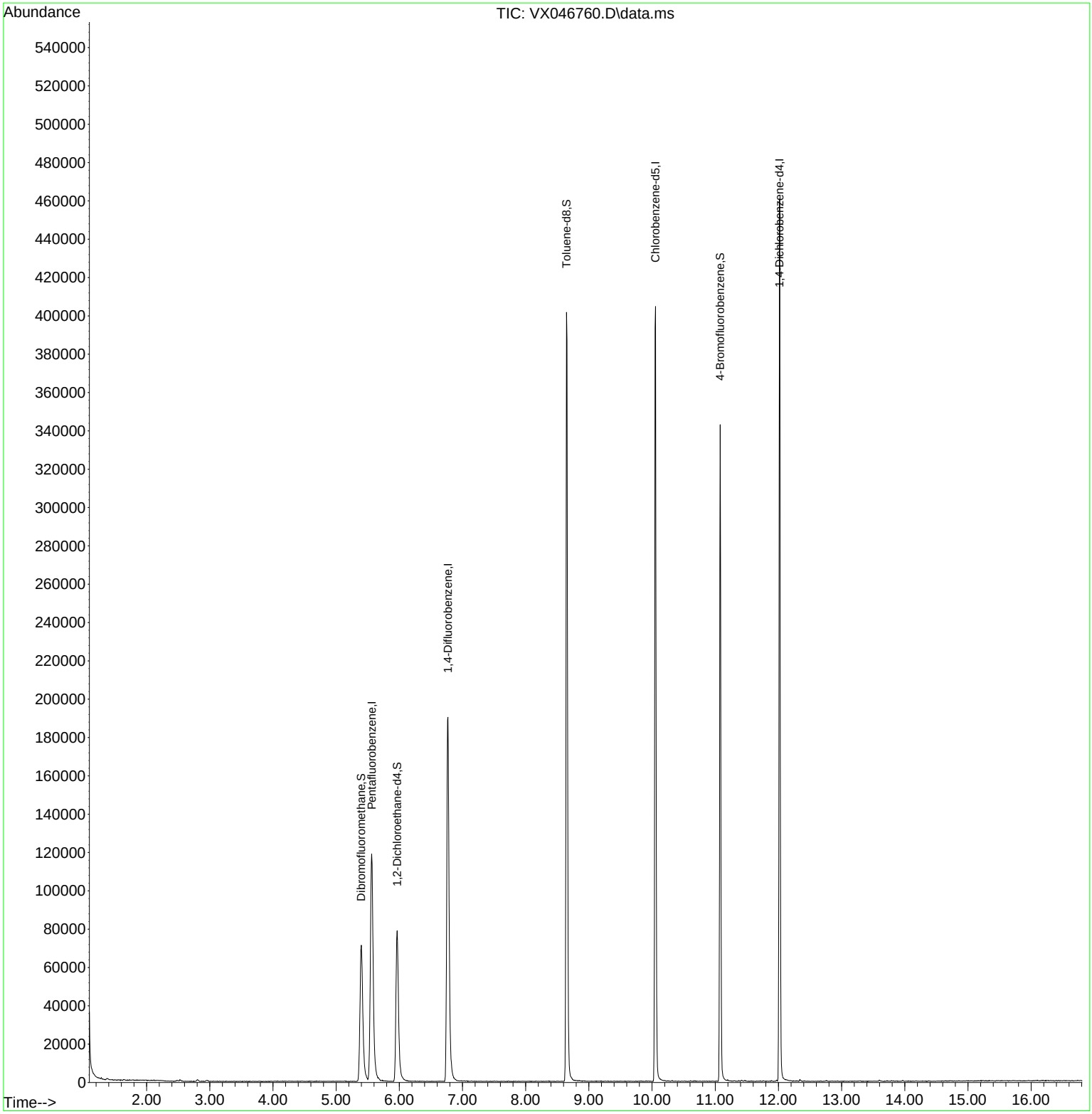
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 124937 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 212303 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 191555 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93040 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 83430 | 48.278 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 96.560% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 68758 | 48.950 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.900% | | |
| 50) Toluene-d8 | 8.647 | 98 | 252224 | 49.979 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.960% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 92918 | 49.393 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 98.780% | | |
| Target Compounds | | | | | | Qvalue |

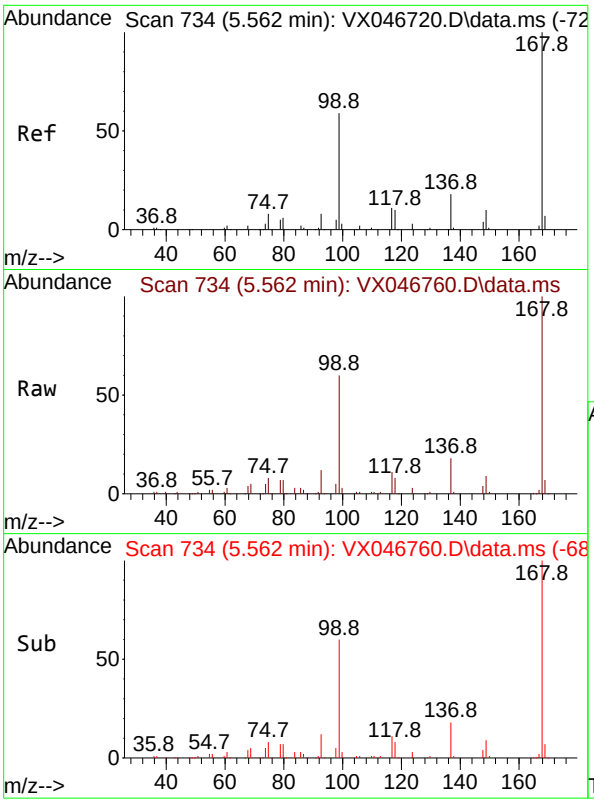
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046760.D
Acq On : 19 Jun 2025 10:33
Operator : JC/MD
Sample : VX0619WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Quant Time: Jun 20 05:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



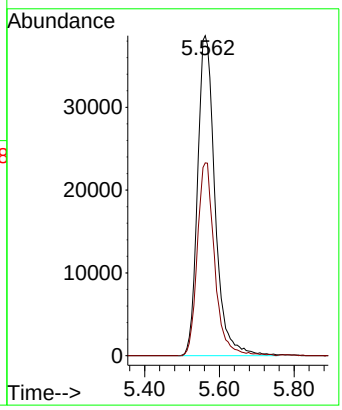


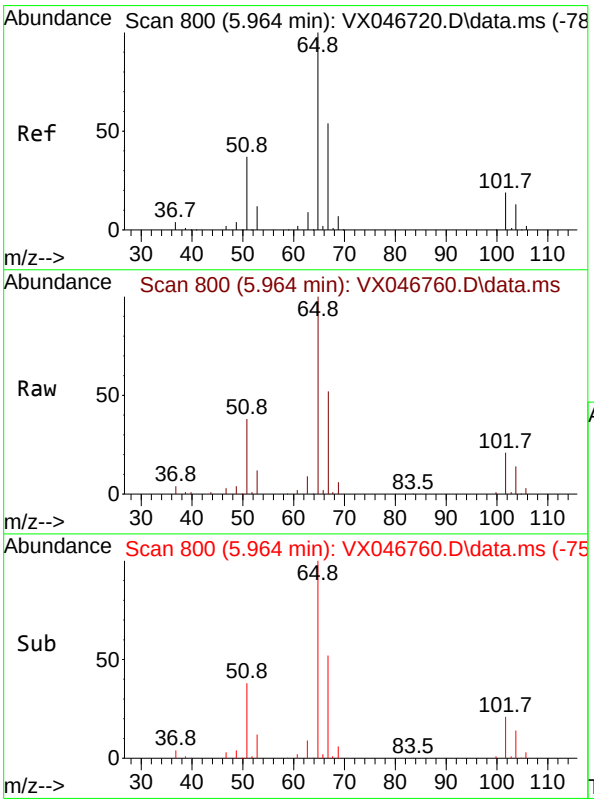

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Tgt Ion:168 Resp: 124937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.2 | 48.5 | 72.7 |

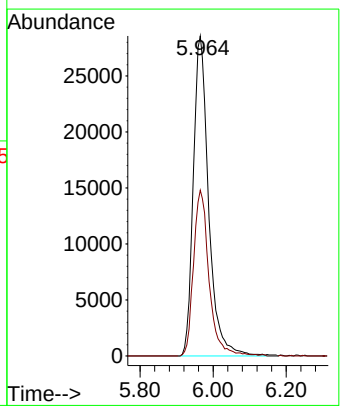


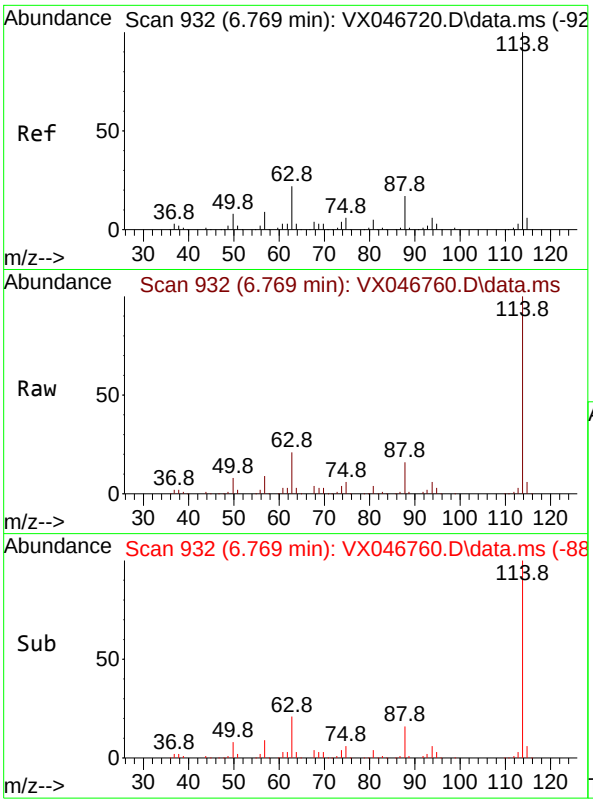




#33
1,2-Dichloroethane-d4
Concen: 48.278 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

Tgt Ion: 65 Resp: 83430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 105.4 |



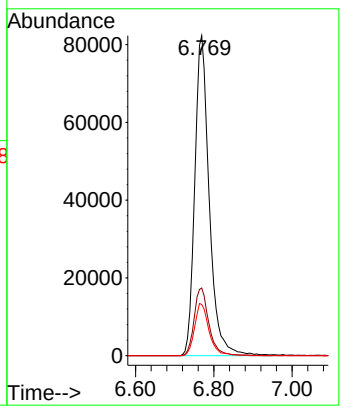


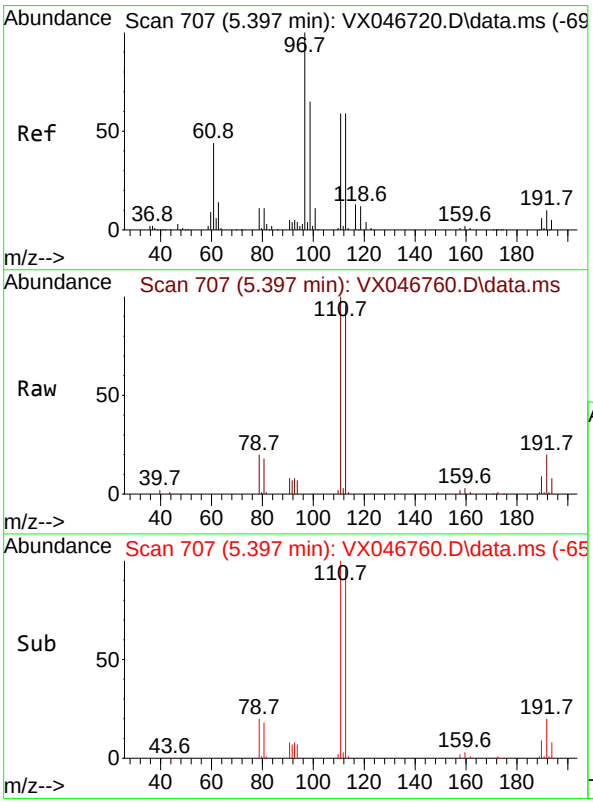

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Tgt Ion:114 Resp: 212303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.2 |
| 88 | 16.0 | 0.0 | 33.2 |

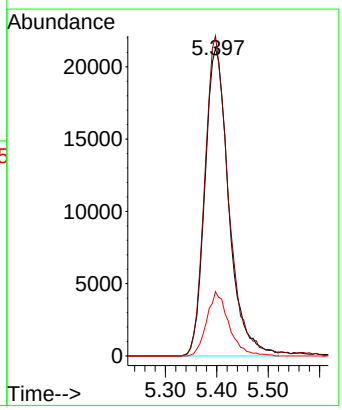


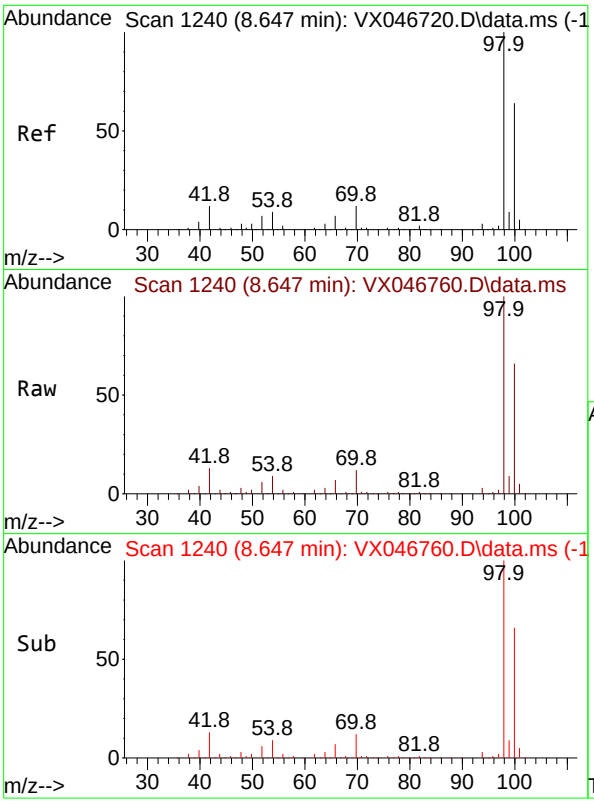




#35
Dibromofluoromethane
Concen: 48.950 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

Tgt Ion:113 Resp: 68758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 82.0 | 123.0 |
| 192 | 19.4 | 15.3 | 22.9 |



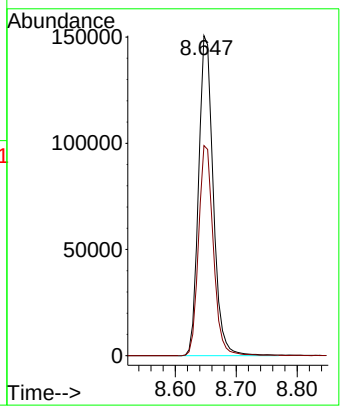


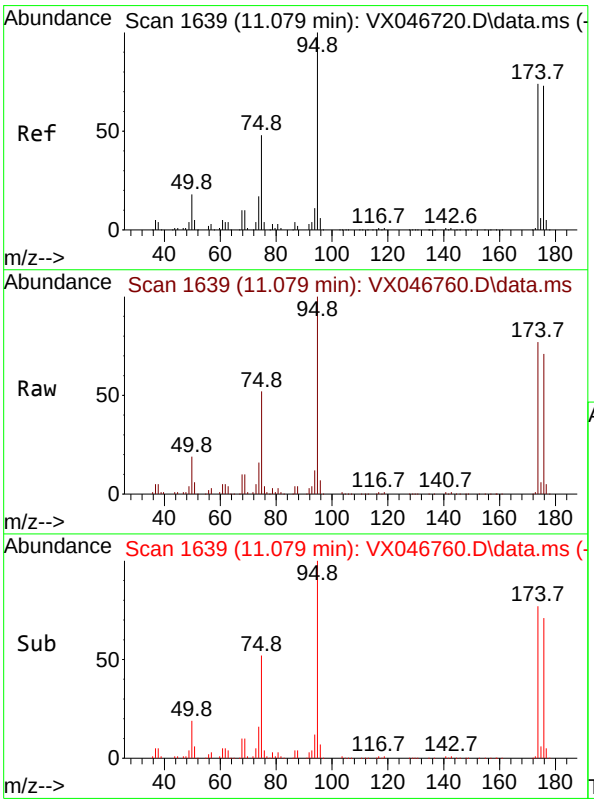

#50
Toluene-d8
Concen: 49.979 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Tgt Ion: 98 Resp: 252224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

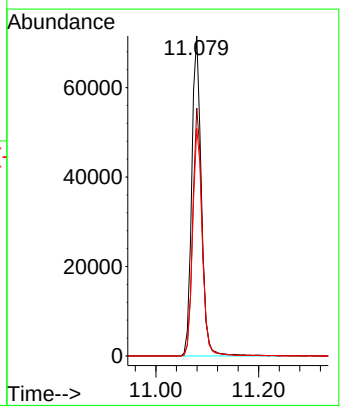


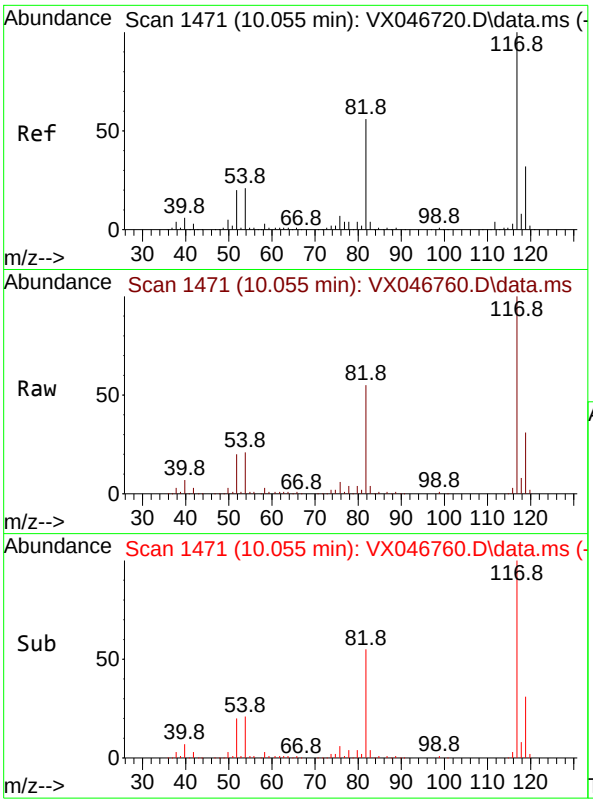




#62
4-Bromofluorobenzene
Concen: 49.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

Tgt Ion: 95 Resp: 92918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.8 | 0.0 | 150.4 |
| 176 | 71.2 | 0.0 | 145.0 |



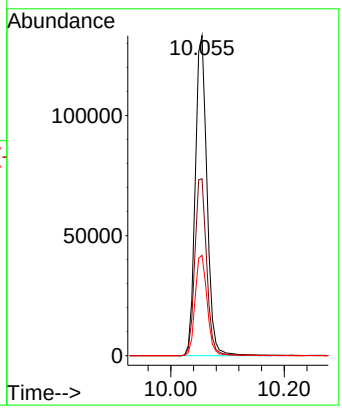


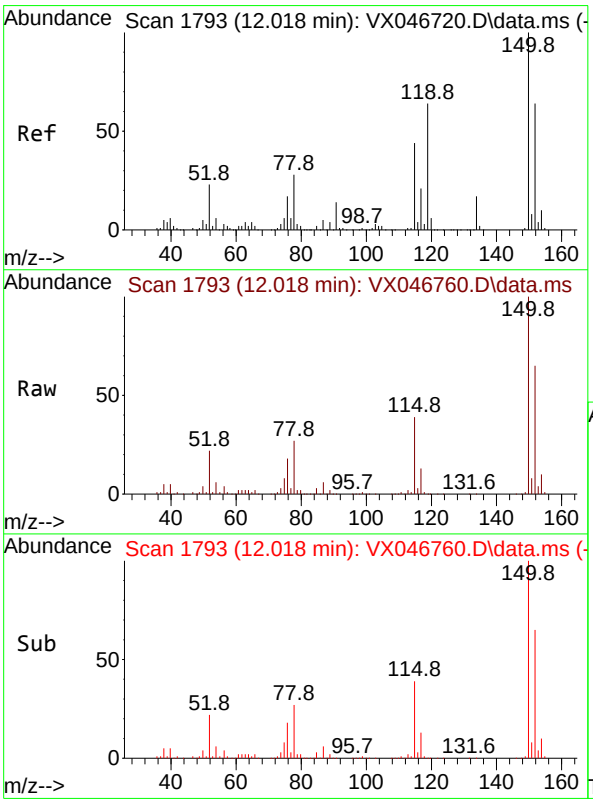

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBL01

Tgt Ion:117 Resp: 191555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 44.6 | 66.8 |
| 119 | 31.4 | 25.8 | 38.8 |

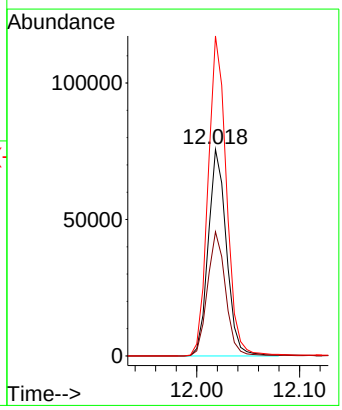



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046760.D
Acq: 19 Jun 2025 10:33

Tgt Ion:152 Resp: 93040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.1 | 43.2 | 129.6 |
| 150 | 157.7 | 0.0 | 346.8 |



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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0618WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046731.D | 1 | | 06/18/25 11:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 19.2 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 19.2 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 21.9 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.2 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.2 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.7 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 89.9 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.4 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 18.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 17.9 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.2 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 18.7 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 18.8 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 89.9 | | 0.98 | 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 | 18.8 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 22.0 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 18.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.8 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.8 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.3 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.5 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 91.3 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.1 | | 0.14 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0618WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046731.D | 1 | | 06/18/25 11:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.3 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 18.7 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 92.2 | | 0.89 | 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 | 19.1 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.1 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.3 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.3 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 37.2 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.1 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 18.8 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 17.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 17.9 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.6 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 17.2 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.1 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 17.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16.3 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 17.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.4 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.7 | | 81 - 118 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.5 | | 80 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.3 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53.9 | | 85 - 114 | | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 156000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 258000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 234000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 122000 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0618WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0618WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046731.D | 1 | | 06/18/25 11:07 | VX061825 |

| 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\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 156160 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 258286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 234034 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121898 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 107357 | 49.703 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.400% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 86297 | 50.499 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.000% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 315181 | 51.335 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 123307 | 53.877 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.760% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 32855 | 19.707 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 34478 | 19.159 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 36804 | 19.179 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 23617 | 21.875 | ug/l | 95 |
| 6) Chloroethane | 1.703 | 64 | 22373 | 19.236 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 55899 | 19.184 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 18908 | 18.908 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 34125 | 19.090 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 34275 | 18.324 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 15315 | 78.997 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 32329 | 18.743 | ug/l | 94 |
| 13) Acrolein | 2.245 | 56 | 23404 | 82.880 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 56826 | 18.183 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 77636 | 89.058 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 64756 | 89.902 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 90862 | 17.444 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 32677 | 17.862 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 96927 | 18.047 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 36406 | 18.175 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 34031 | 18.439 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 115948 | 19.302 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 442736 | 92.685 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 63885 | 18.731 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 91591 | 89.908 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 47652 | 19.157 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 40662 | 18.753 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 33976 | 21.974 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 59051 | 89.743 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 64462 | 18.899 | ug/l | 98 |
| 31) Cyclohexane | 5.477 | 56 | 60903 | 18.830 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 56117 | 18.760 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 45886 | 18.601 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 36646 | 16.094 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 49192 | 18.375 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 60470 | 18.628 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 137579 | 18.845 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 22309 | 18.378 ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 48245 | 18.805 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 64595 | 18.129 ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 34115 | 18.336 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 33537 | 18.535 ug/l | | 98 |
| 46) Dibromomethane | 7.586 | 93 | 24500 | 18.841 ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 49606 | 18.694 ug/l | | 97 |
| 48) Methyl methacrylate | 7.696 | 41 | 32385 | 18.122 ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8212 | 335.186 ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 194118 | 91.344 ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 86400 | 19.090 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 44965 | 18.263 ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 51349 | 18.372 ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31497 | 18.674 ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 46060 | 18.500 ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 54758 | 18.853 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 130389 | 100.816 ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 135469 | 92.207 ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 37303 | 18.767 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 32821 | 19.131 ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 29423 | 18.146 ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 94744 | 18.339 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 32350 | 18.632 ug/l | | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 165227 | 18.304 ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 125249 | 37.239 ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 60319 | 19.136 ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 103726 | 18.804 ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 23678 | 17.907 ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 161068 | 17.941 ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 58929 | 17.325 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 44152 | 17.613 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 40073m | 17.949 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 38841 | 17.979 ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 192217 | 18.026 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 113441 | 17.818 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 133755 | 18.130 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12597 | 15.949 ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 131603 | 17.712 ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 135643 | 17.787 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 134740 | 18.178 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 173686 | 18.021 ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 146235 | 17.983 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 72321 | 17.169 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 73790 | 17.054 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 137335 | 17.787 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 24540 | 17.233 ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 70063 | 17.798 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8079 | 16.324 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 48663 | 17.388 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 21242 | 18.044 ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 136183 | 17.080 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 46661 | 17.428 ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

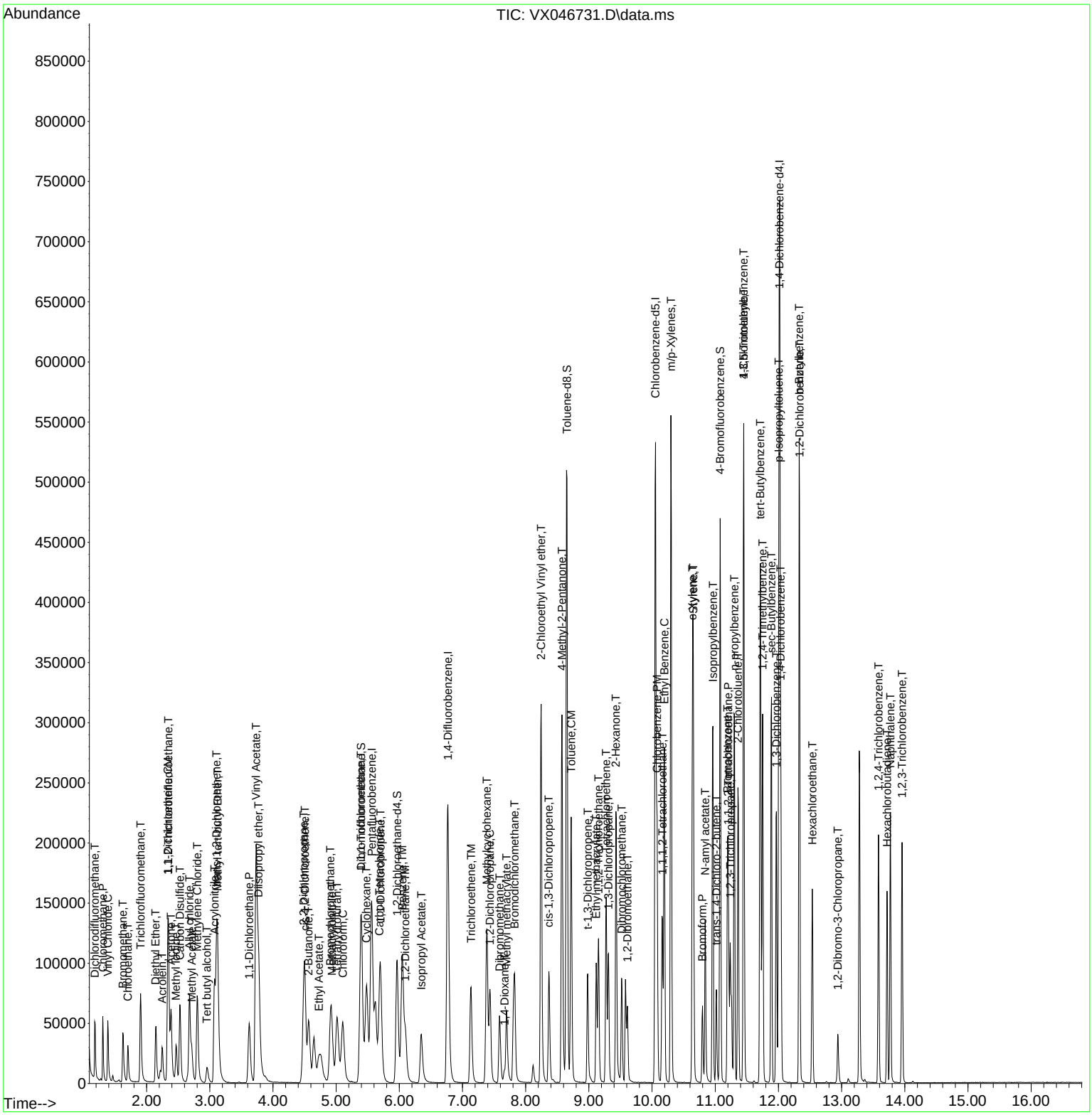
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Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

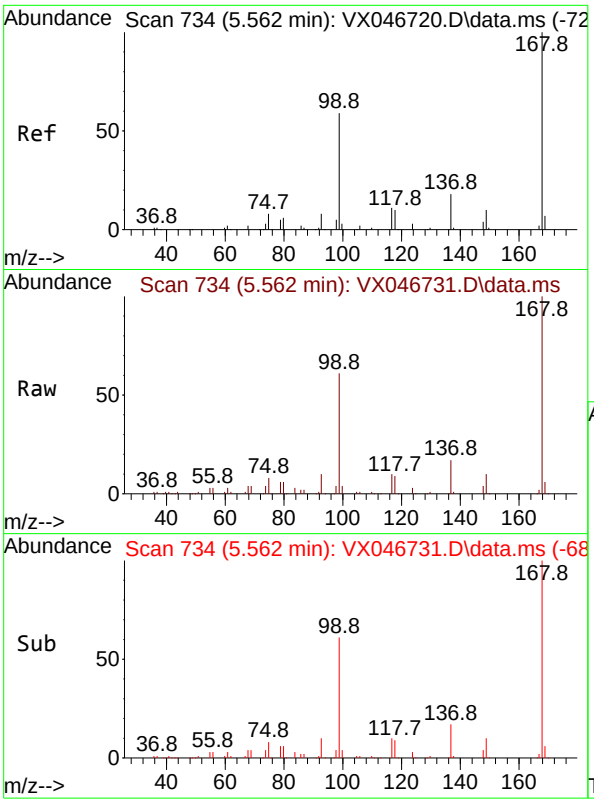
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

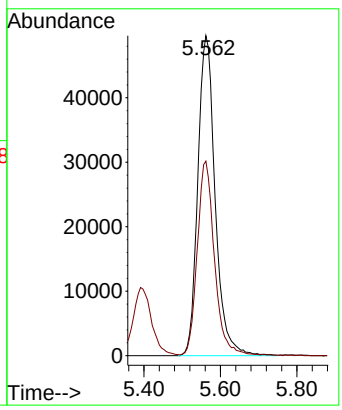





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:168 Resp: 15616

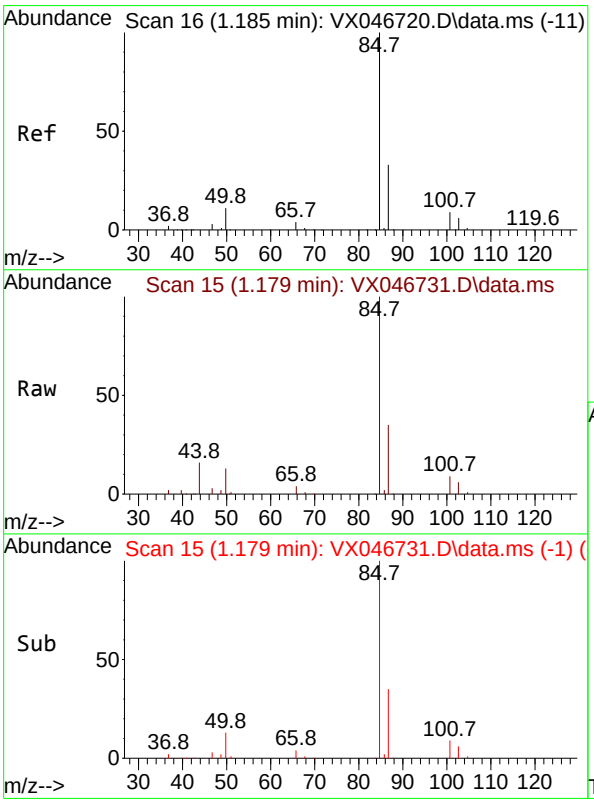
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

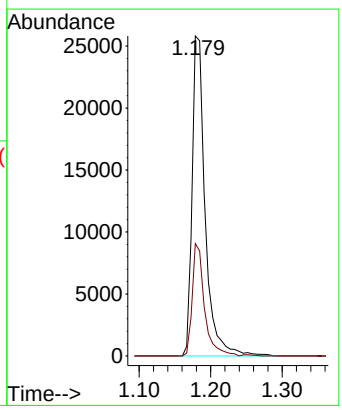
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

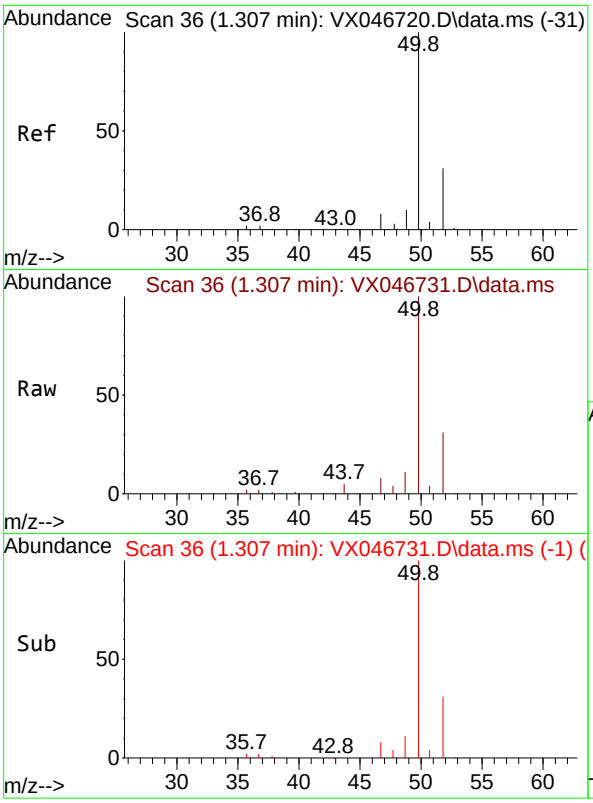



#2
Dichlorodifluoromethane
Concen: 19.707 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 85 Resp: 32855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.1 | 16.6 | 49.8 |

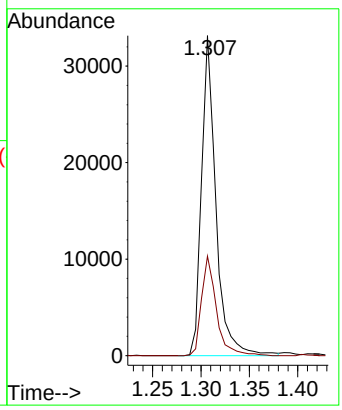





#3
Chloromethane
Concen: 19.159 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 50 Resp: 3447

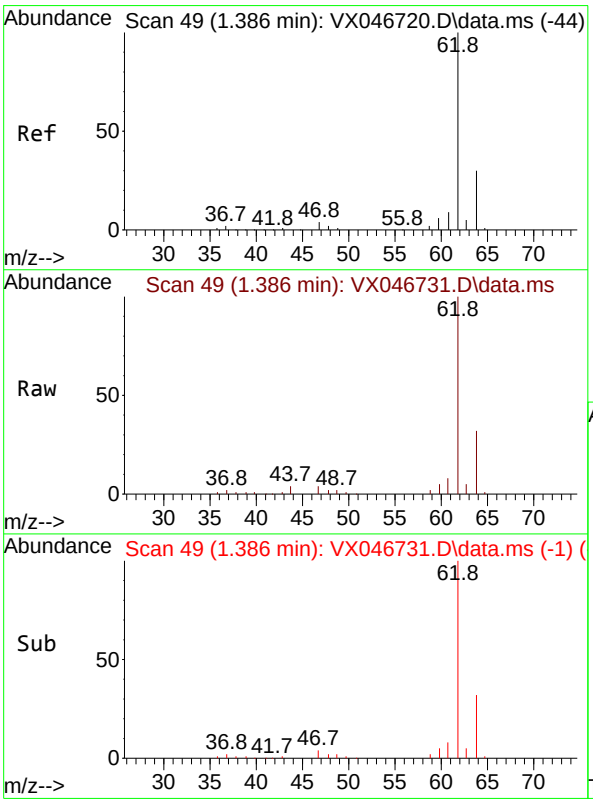
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

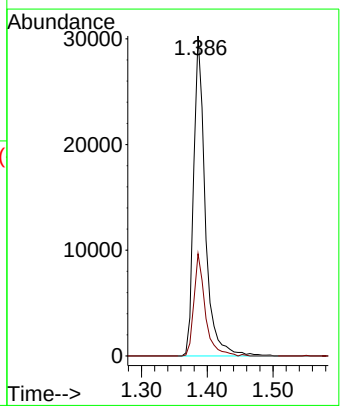
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

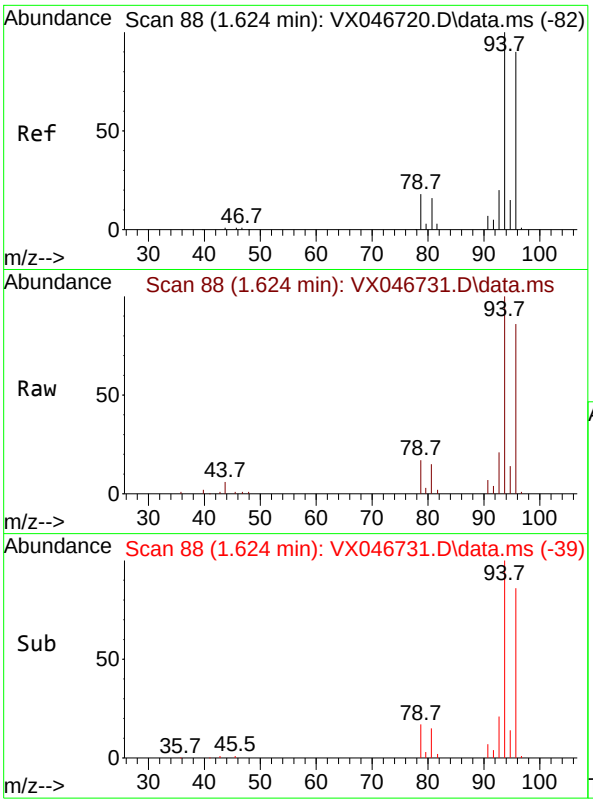



#4
Vinyl Chloride
Concen: 19.179 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 62 Resp: 36804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 23.9 | 35.9 |

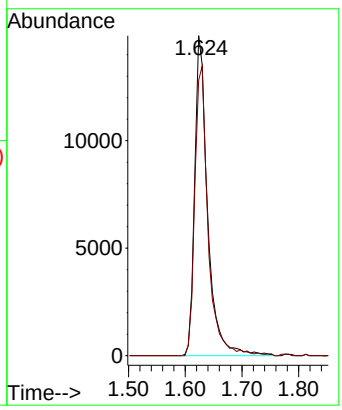





#5
Bromomethane
Concen: 21.875 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 94 Resp: 2361

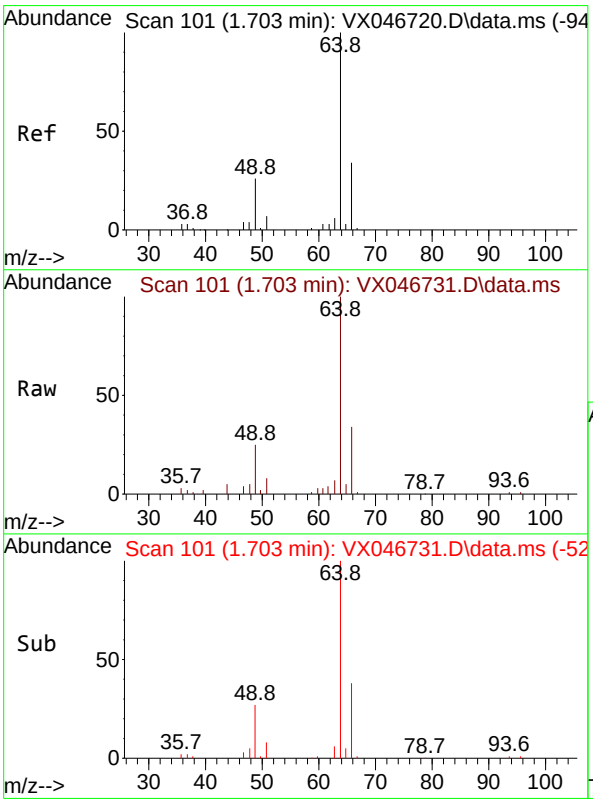
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 86.1 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

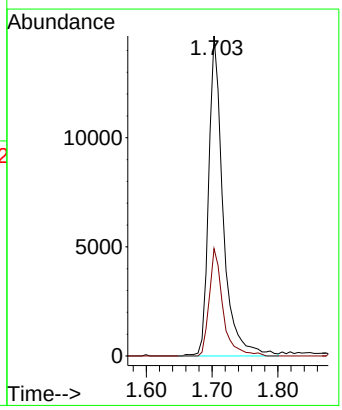
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

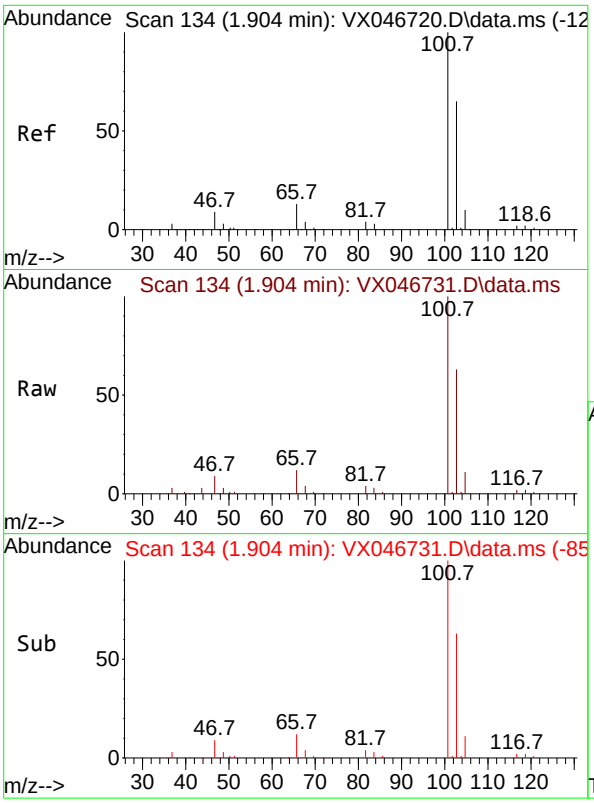



#6
Chloroethane
Concen: 19.236 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 64 Resp: 22373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.6 | 27.1 | 40.7 |

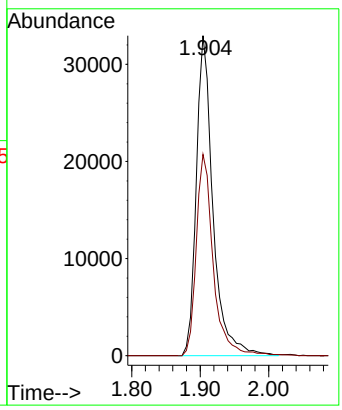





#7
Trichlorofluoromethane
Concen: 19.184 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:101 Resp: 5589

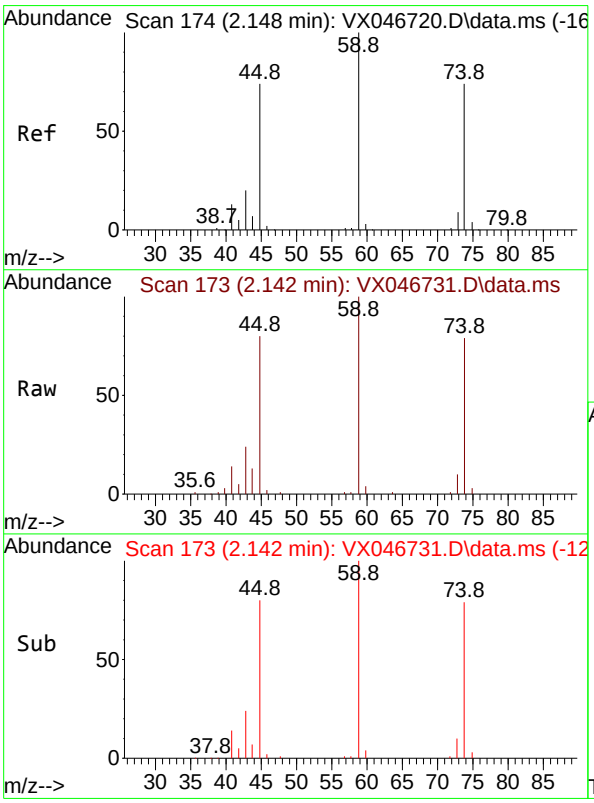
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.9 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

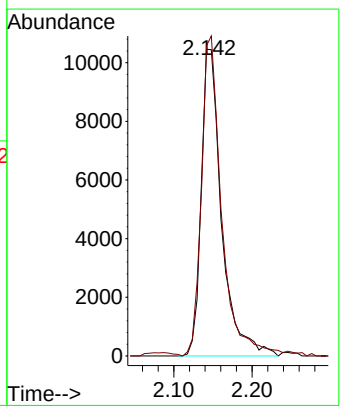
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

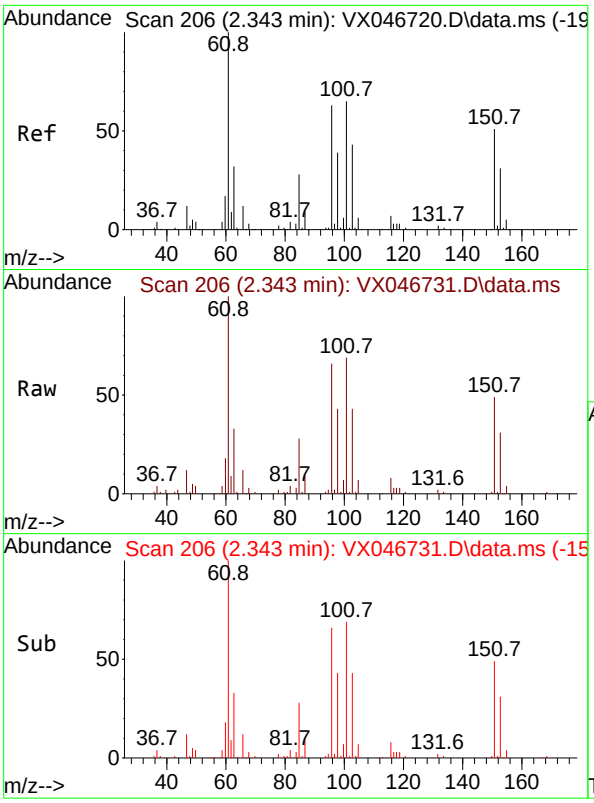



#8
Diethyl Ether
Concen: 18.908 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 74 Resp: 18908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.6 | 52.3 | 157.1 |

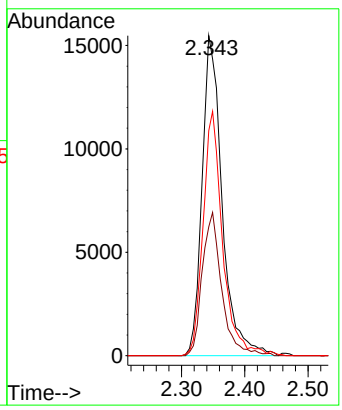





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.090 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:101 Resp: 3412

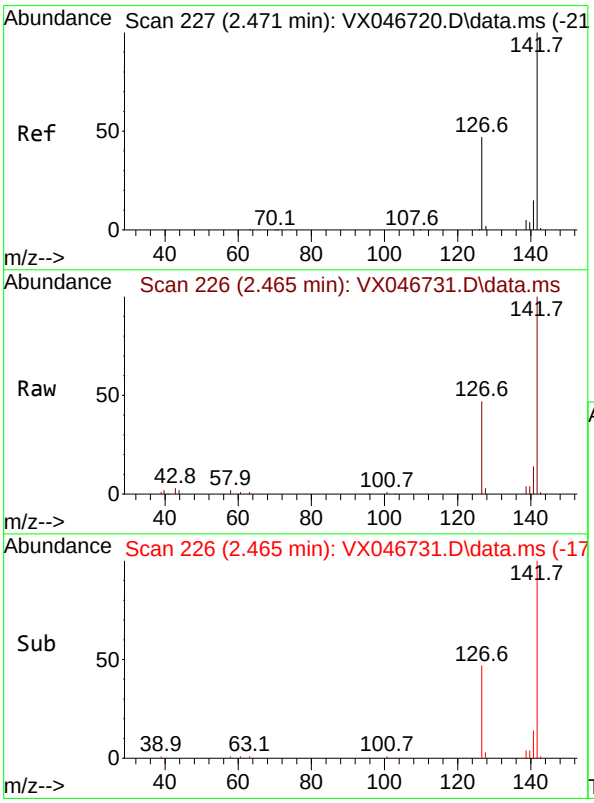
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

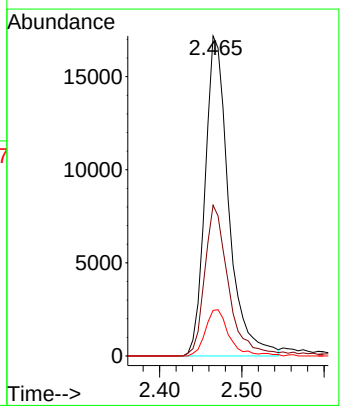
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

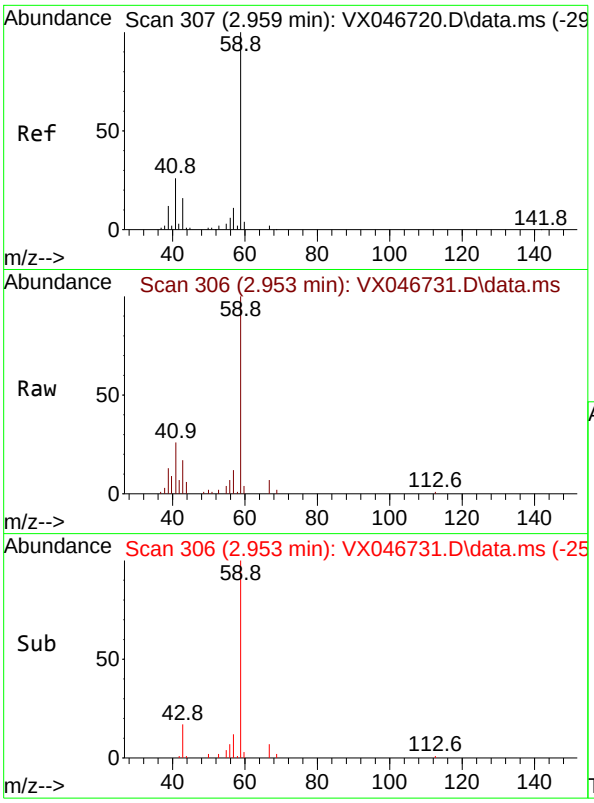



#10
Methyl Iodide
Concen: 18.324 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:142 Resp: 34275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.5 | 37.0 | 55.6 |
| 141 | 14.1 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 78.997 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

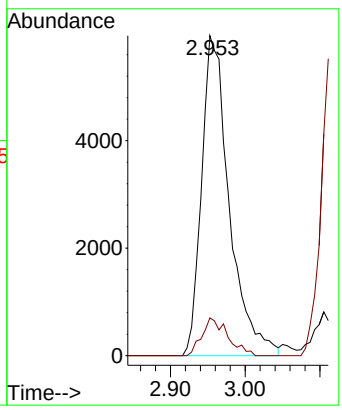
Tgt Ion: 59 Resp: 1531

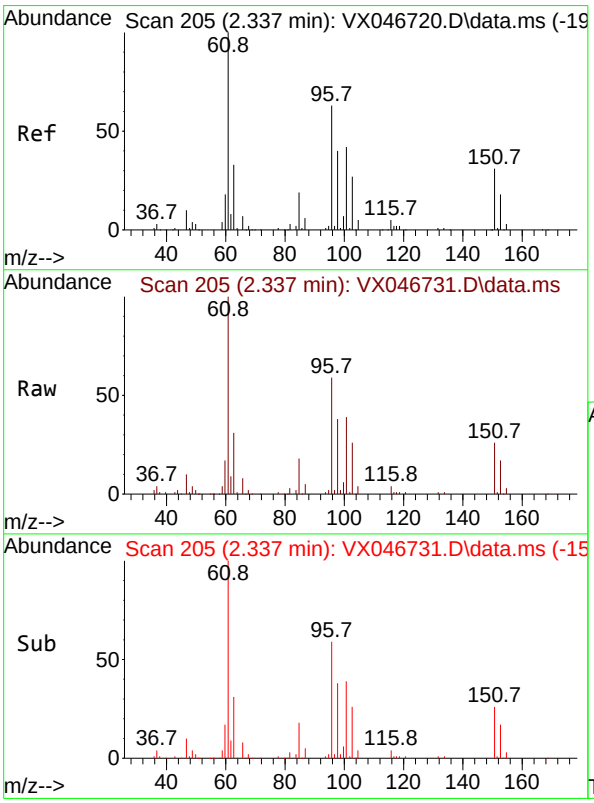
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.0 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

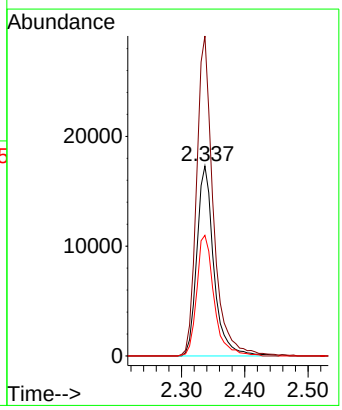


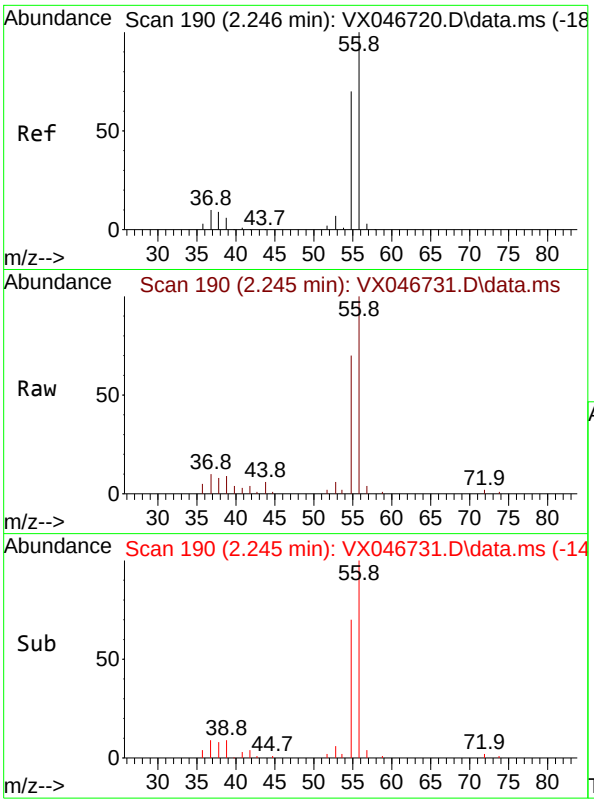




#12
1,1-Dichloroethene
Concen: 18.743 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 96 Resp: 32329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.4 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |

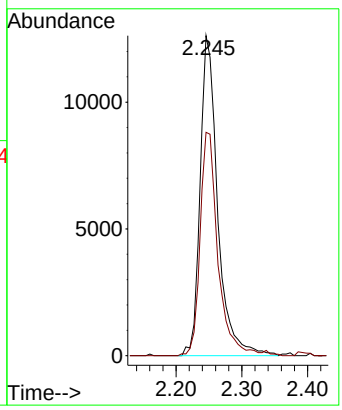





#13
Acrolein
Concen: 82.880 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 56 Resp: 2340

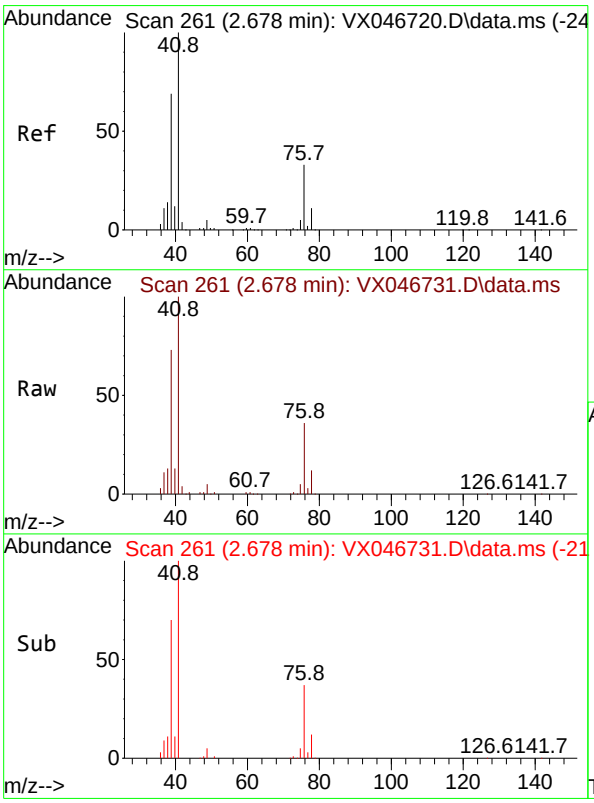
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

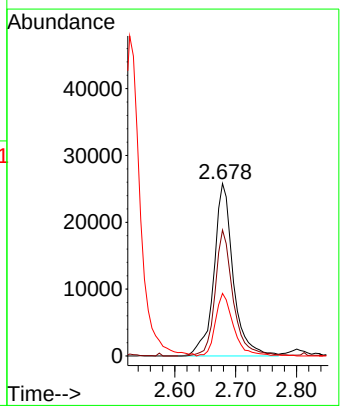
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

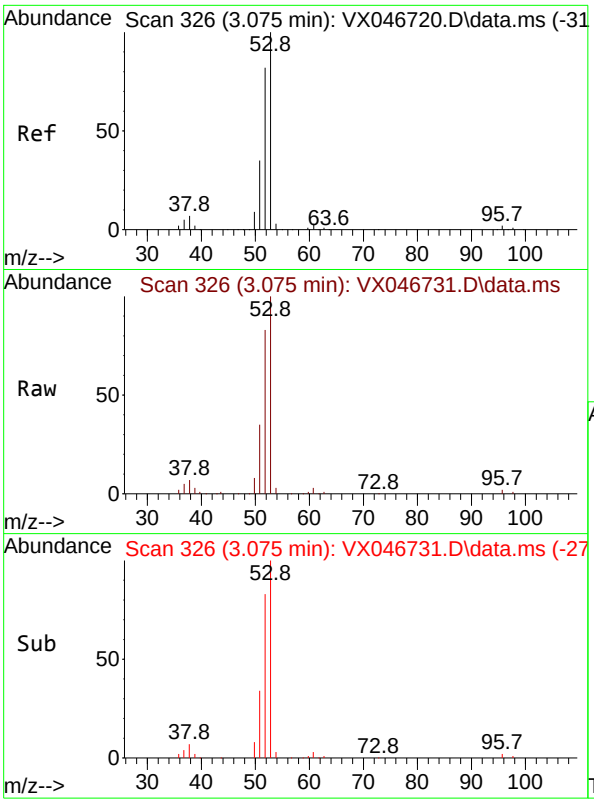



#14
Allyl chloride
Concen: 18.183 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 41 Resp: 56826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.3 | 53.6 | 80.4 |
| 76 | 33.7 | 26.8 | 40.2 |

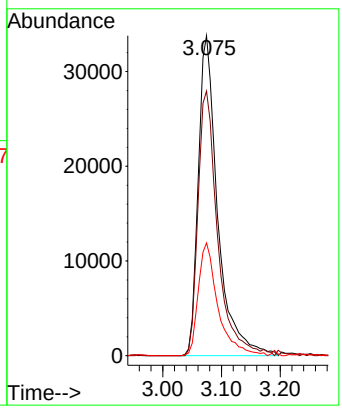





#15
Acrylonitrile
Concen: 89.058 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 53 Resp: 7763

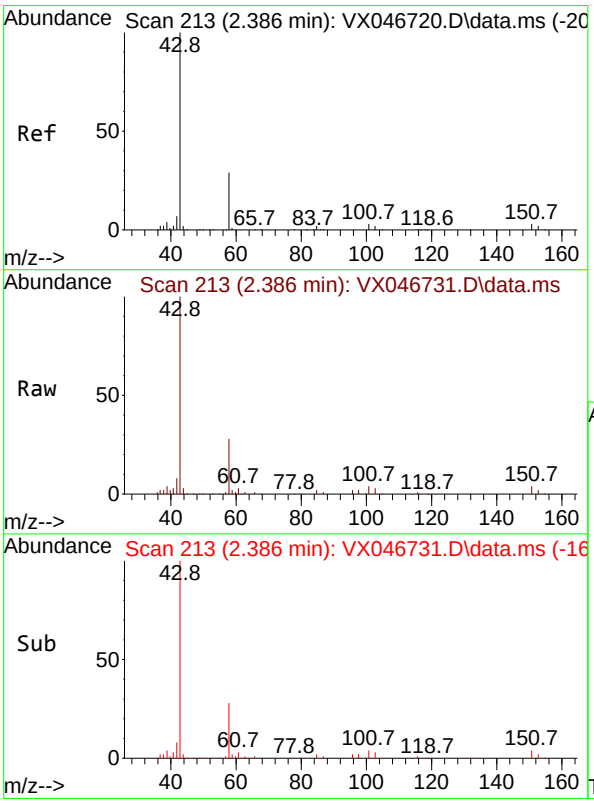
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.1 | 97.7 |
| 51 | 35.8 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

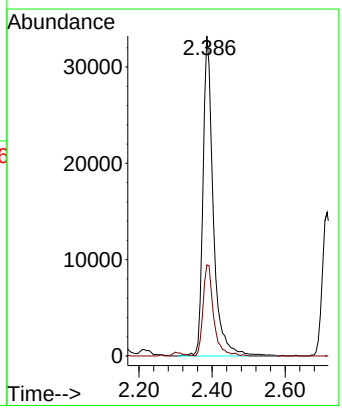
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

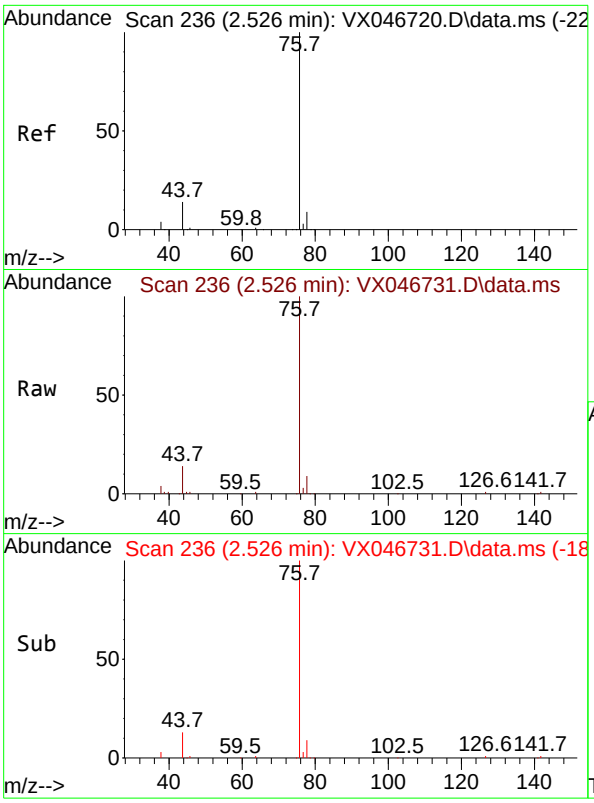



#16
Acetone
Concen: 89.902 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 64756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 17.444 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

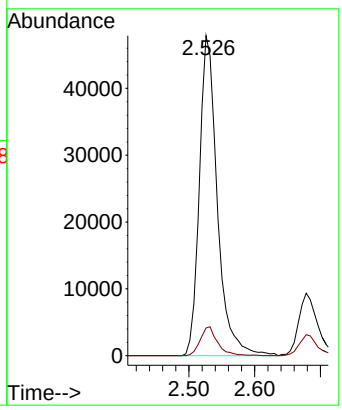
Tgt Ion: 76 Resp: 9086

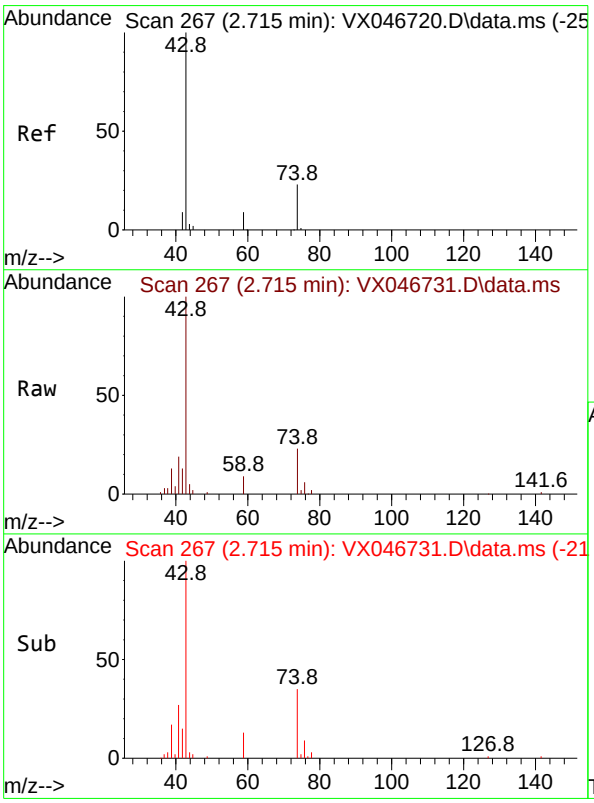
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

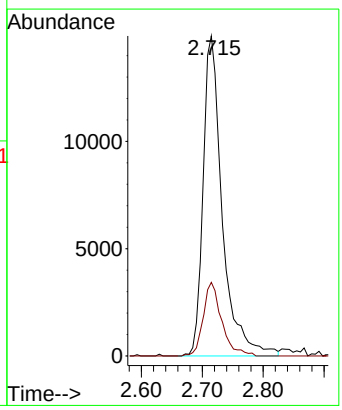


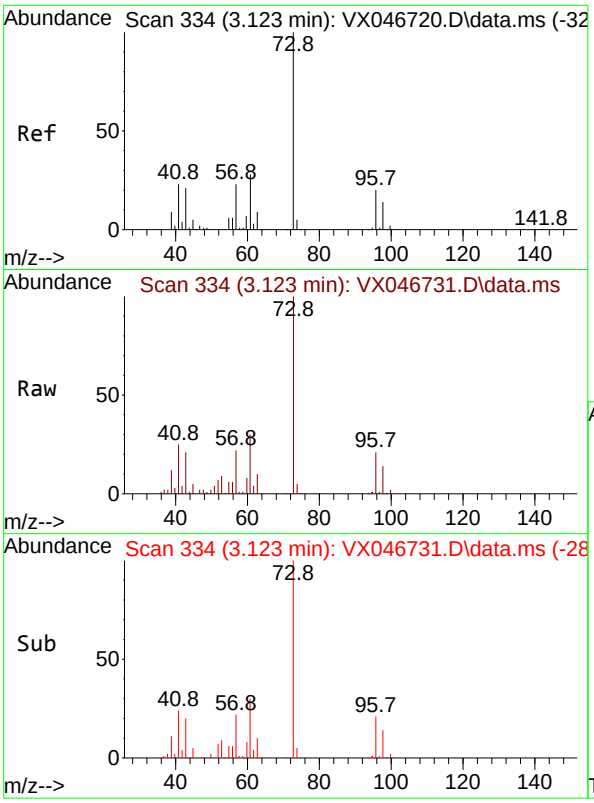




#18
Methyl Acetate
Concen: 17.862 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 32677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 18.4 | 27.6 |

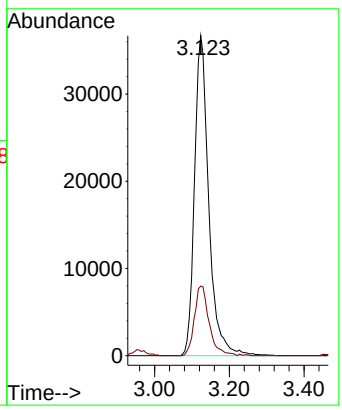





#19
Methyl tert-butyl Ether
Concen: 18.047 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 73 Resp: 9692

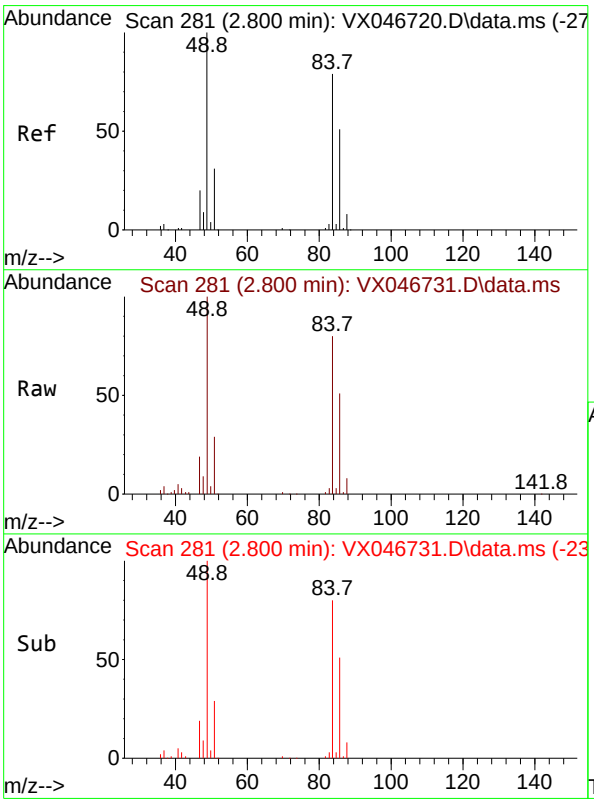
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.2 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

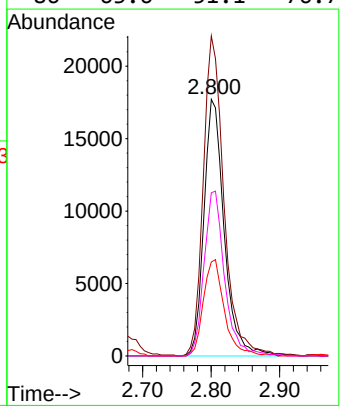
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

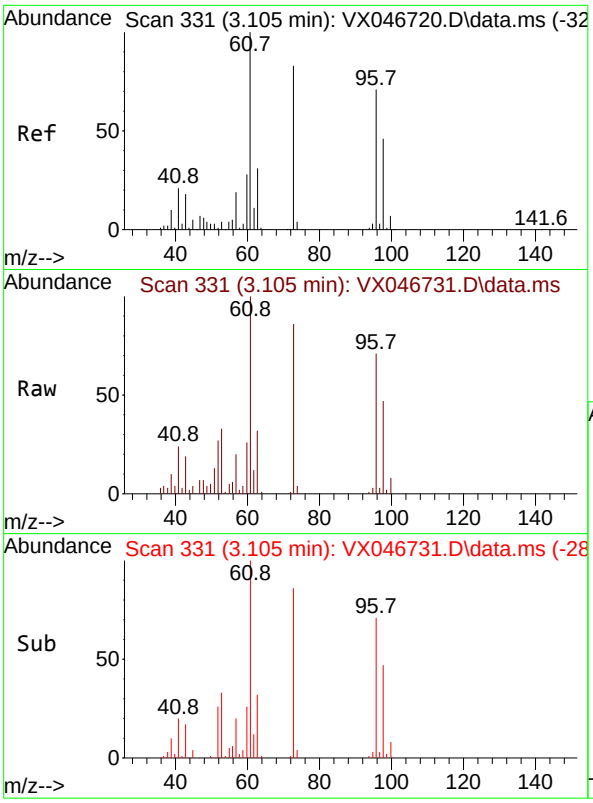



#20
Methylene Chloride
Concen: 18.175 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 84 Resp: 36406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.7 | 101.3 | 151.9 |
| 51 | 36.6 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |

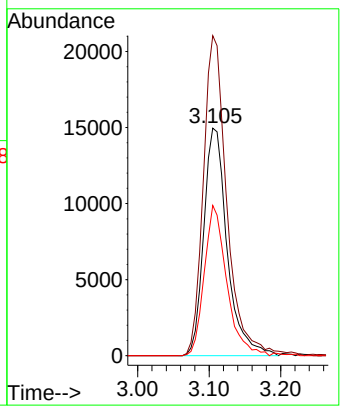





#21
trans-1,2-Dichloroethene
Concen: 18.439 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 96 Resp: 3403

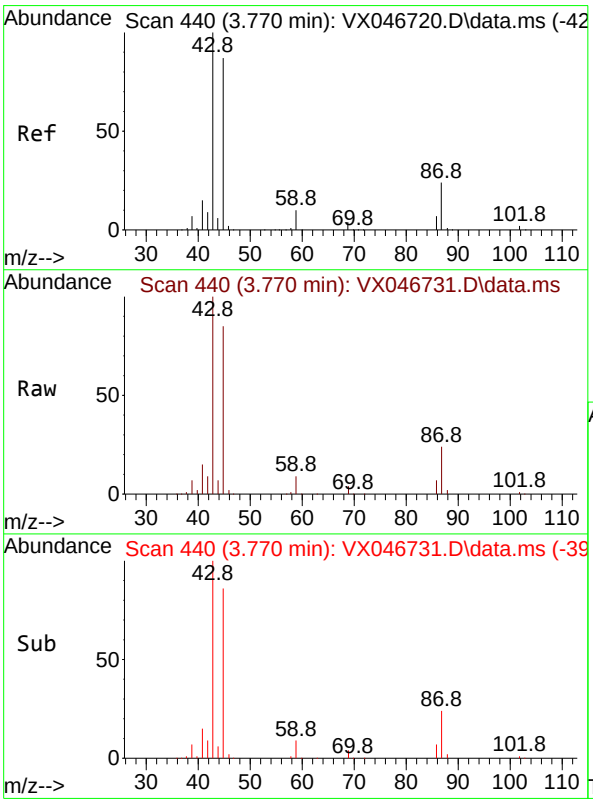
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.7 | 112.5 | 168.7 |
| 98 | 68.4 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

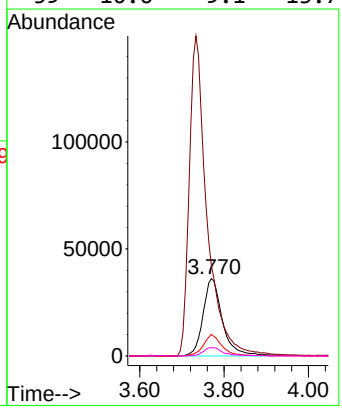
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

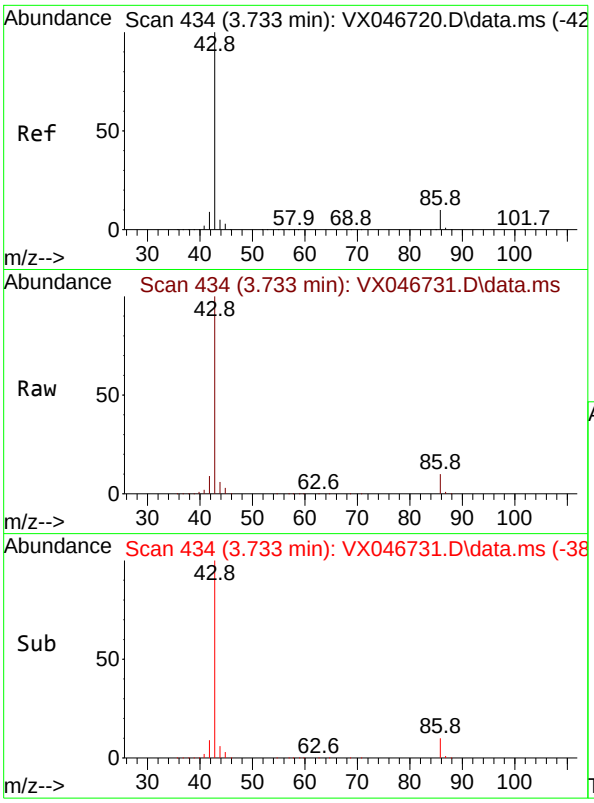



#22
Diisopropyl ether
Concen: 19.302 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 45 Resp: 115948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 116.4 | 91.9 | 137.9 |
| 87 | 28.0 | 22.0 | 33.0 |
| 59 | 10.6 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 92.685 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

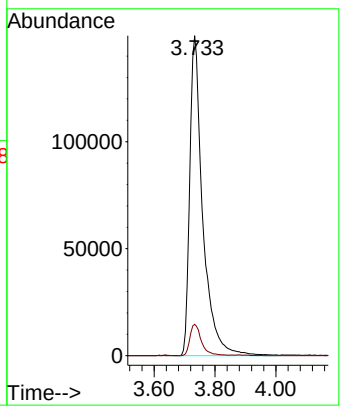
Tgt Ion: 43 Resp: 44273

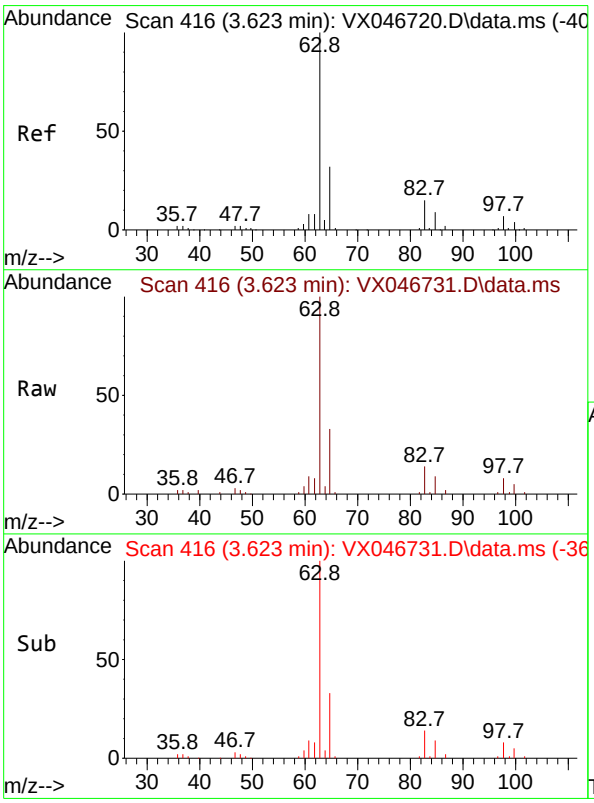
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

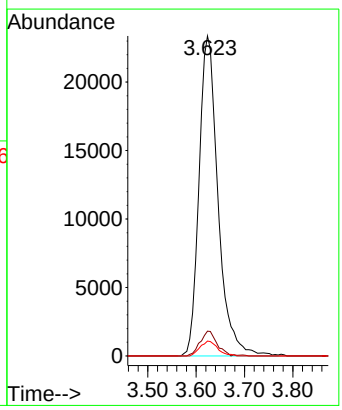


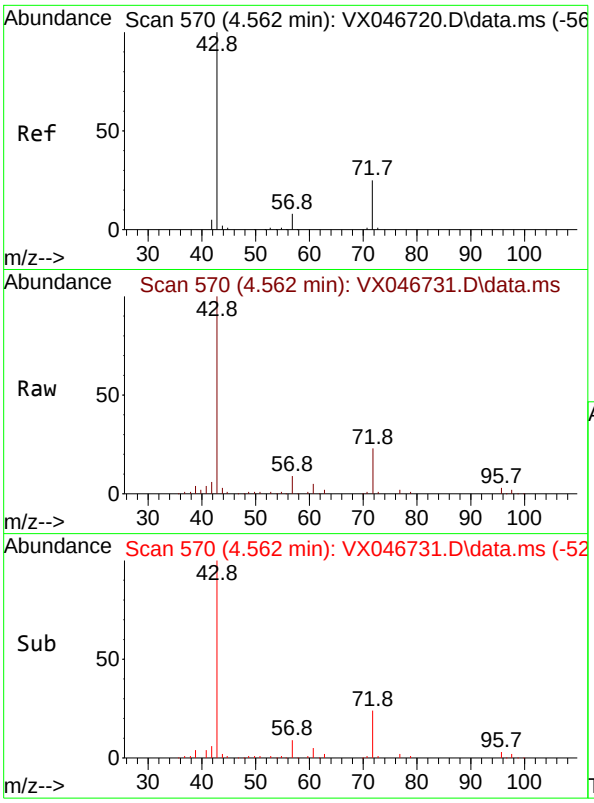




#24
1,1-Dichloroethane
Concen: 18.731 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 63 Resp: 63885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |

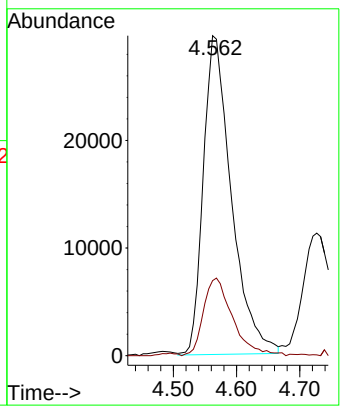





#25
2-Butanone
Concen: 89.908 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 9159

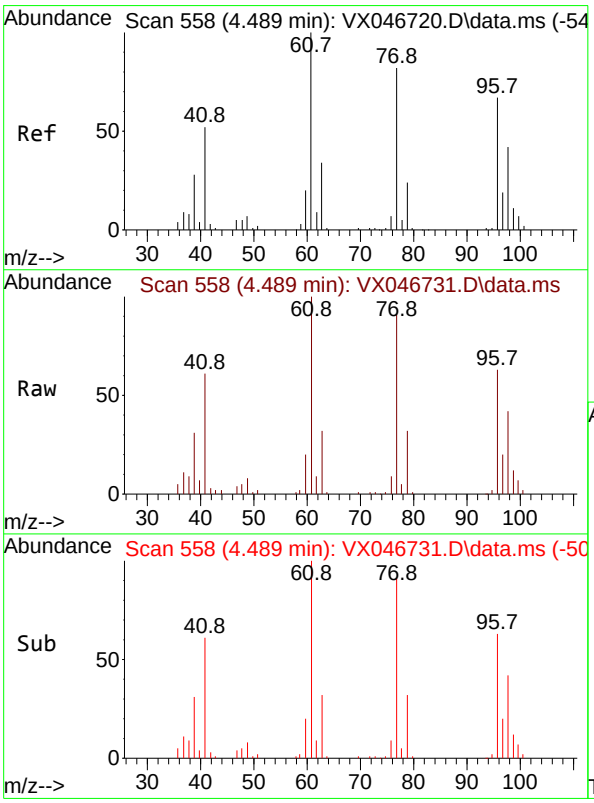
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

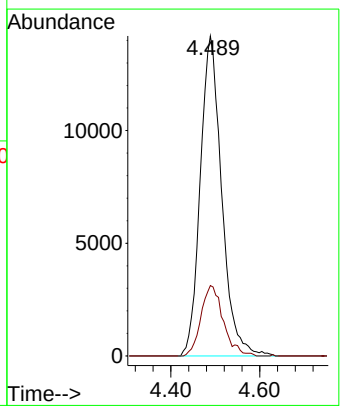
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

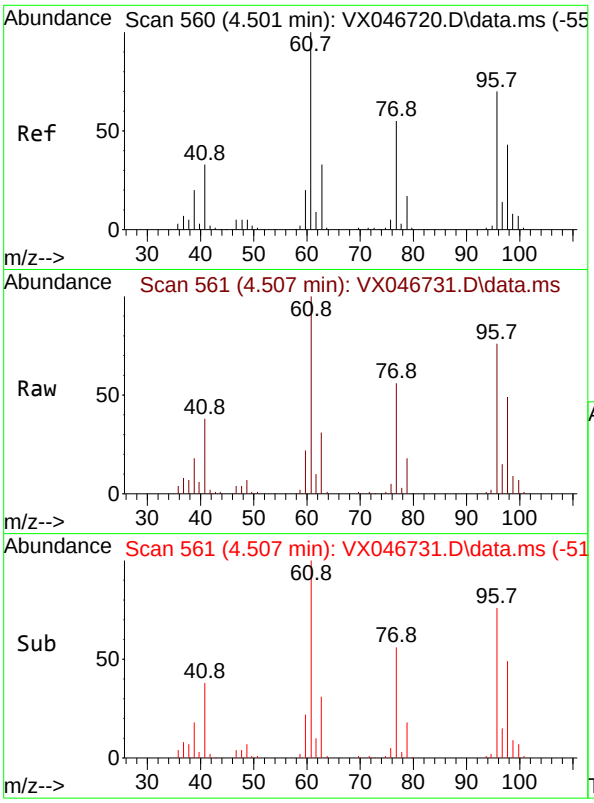



#26
2,2-Dichloropropane
Concen: 19.157 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 77 Resp: 47652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |

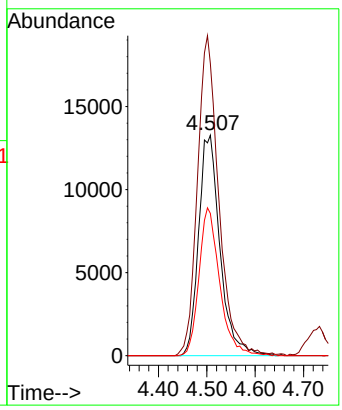





#27
cis-1,2-Dichloroethene
Concen: 18.753 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 96 Resp: 4066

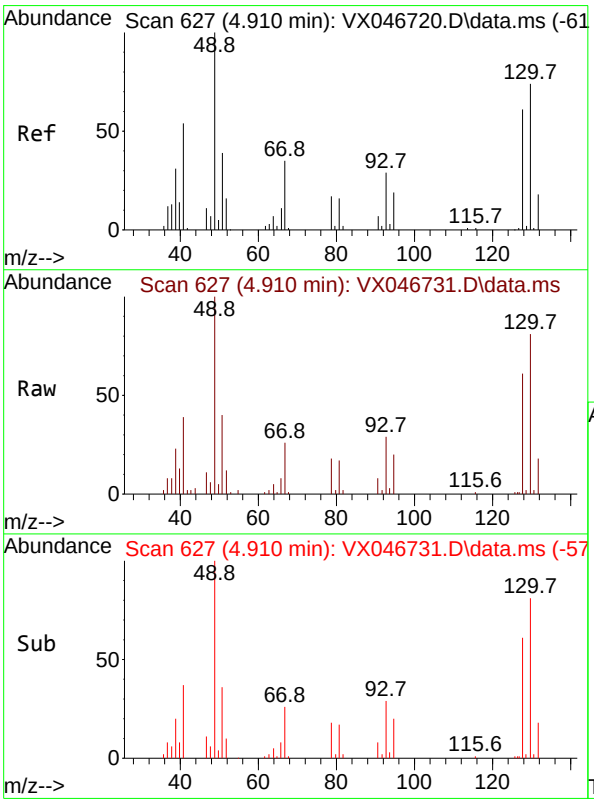
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 291.0 |
| 98 | 65.1 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

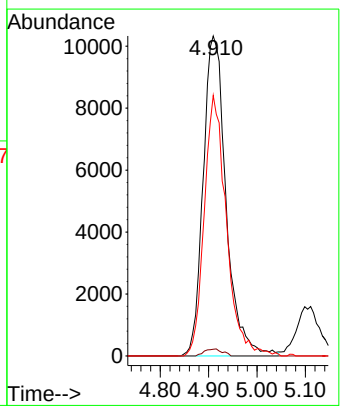
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

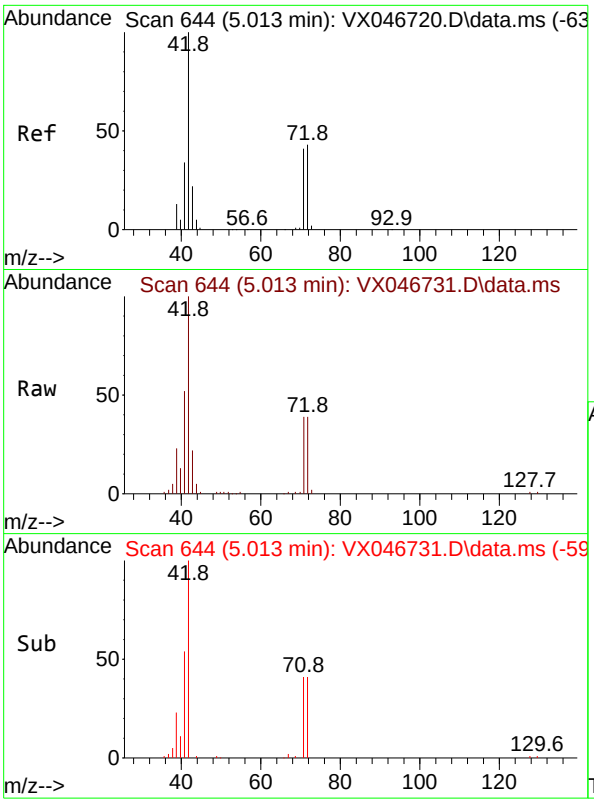



#28
Bromochloromethane
Concen: 21.974 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 49 Resp: 33976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 78.7 | 61.4 | 92.0 |

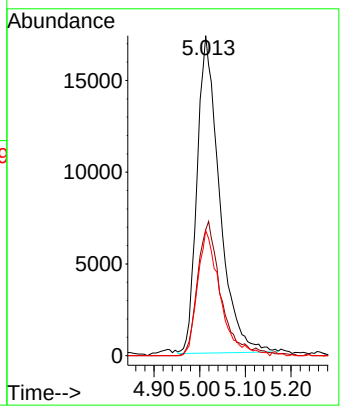





#29
Tetrahydrofuran
Concen: 89.743 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 42 Resp: 5905

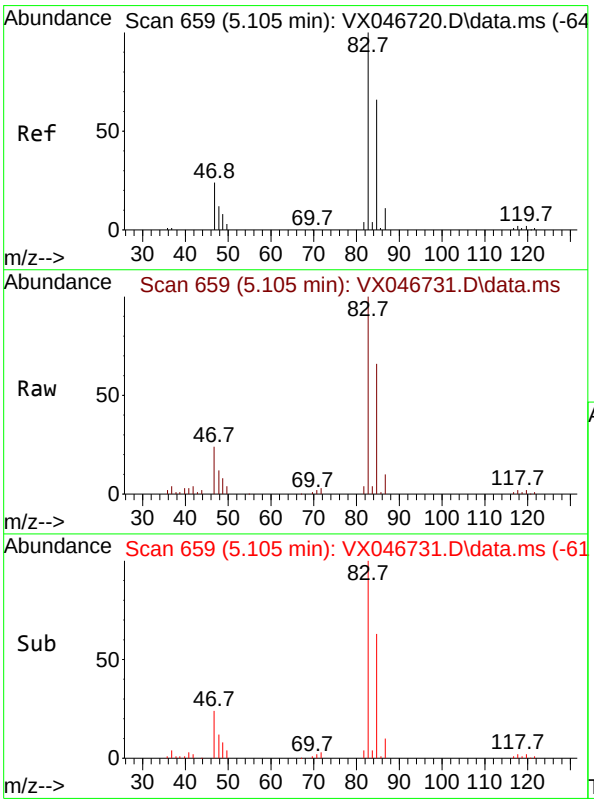
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 34.9 | 52.3 |
| 71 | 39.7 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

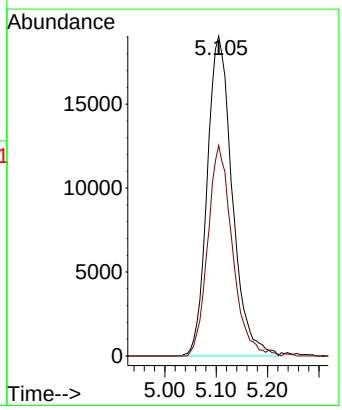
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

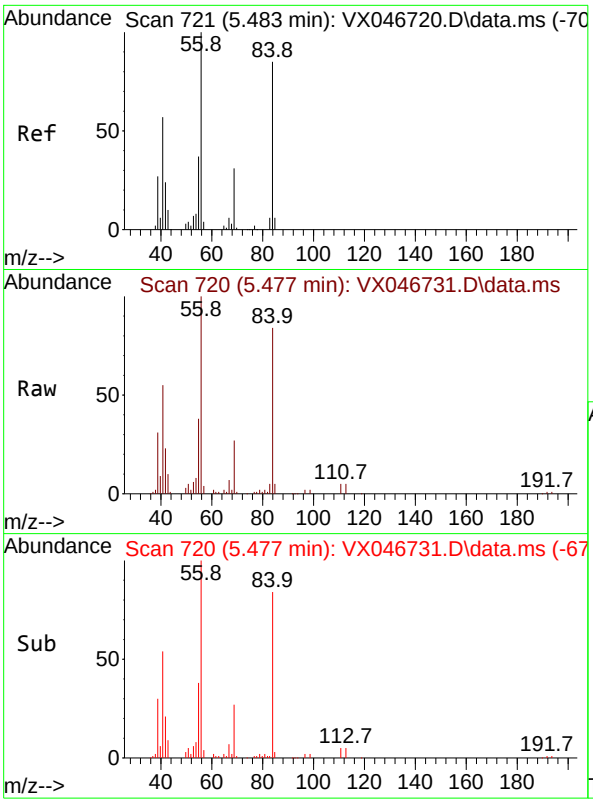



#30
Chloroform
Concen: 18.899 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 83 Resp: 64462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 53.7 | 80.5 |

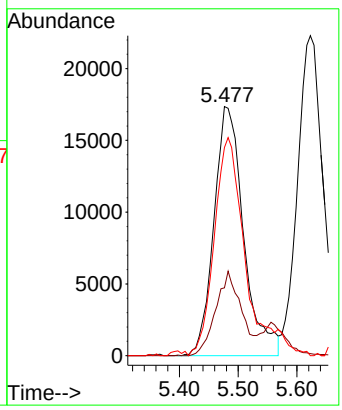





#31
Cyclohexane
Concen: 18.830 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 56 Resp: 6090

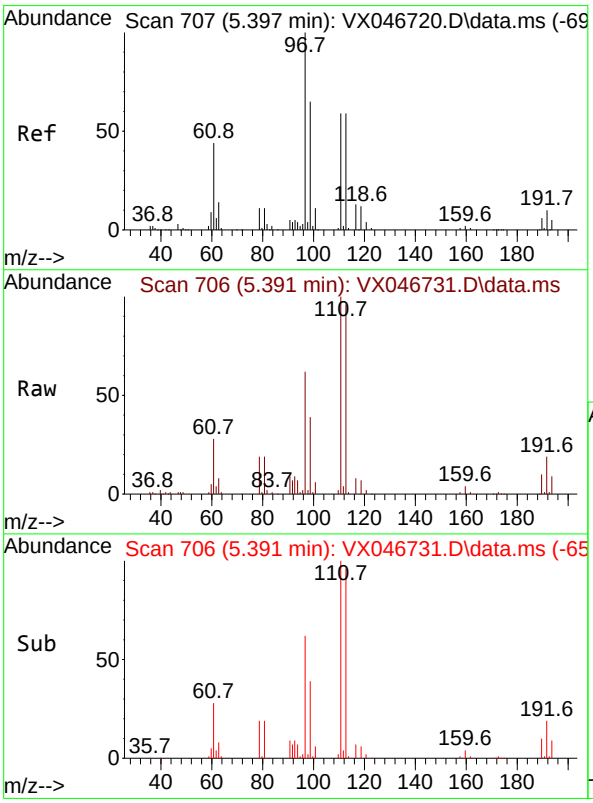
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.9 | 24.8 | 37.2 |
| 84 | 81.6 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

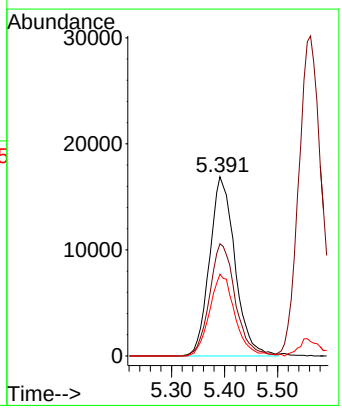
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

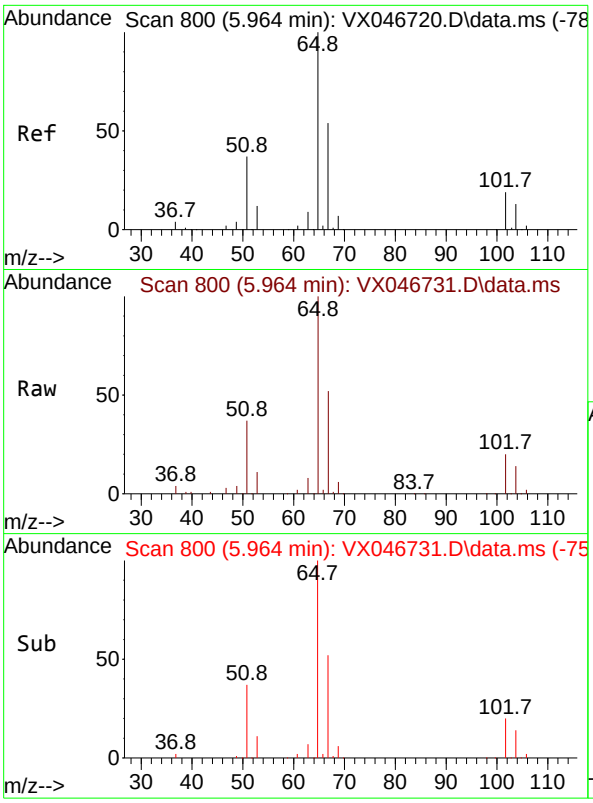



#32
1,1,1-Trichloroethane
Concen: 18.760 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 97 Resp: 56117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.3 | 76.9 |
| 61 | 45.7 | 36.4 | 54.6 |

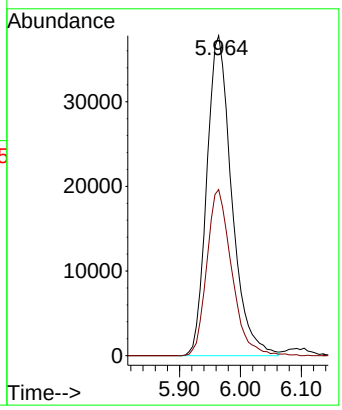





#33
1,2-Dichloroethane-d4
Concen: 49.703 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 65 Resp: 10735

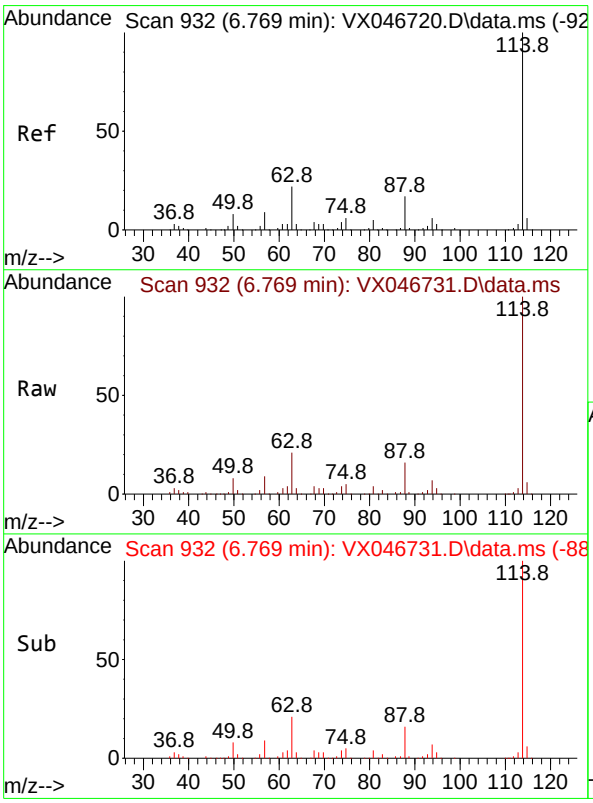
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

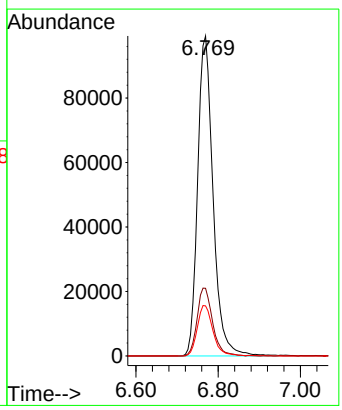
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

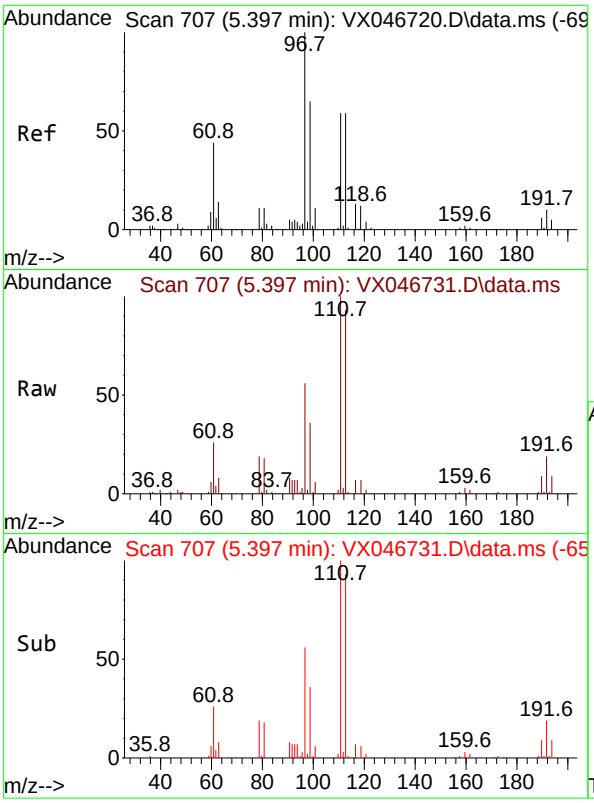



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:114 Resp: 258286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.2 |
| 88 | 15.6 | 0.0 | 33.2 |

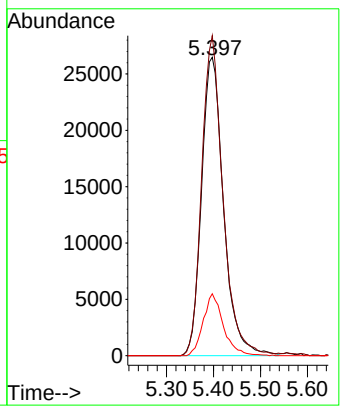





#35
Dibromofluoromethane
Concen: 50.499 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:113 Resp: 8629

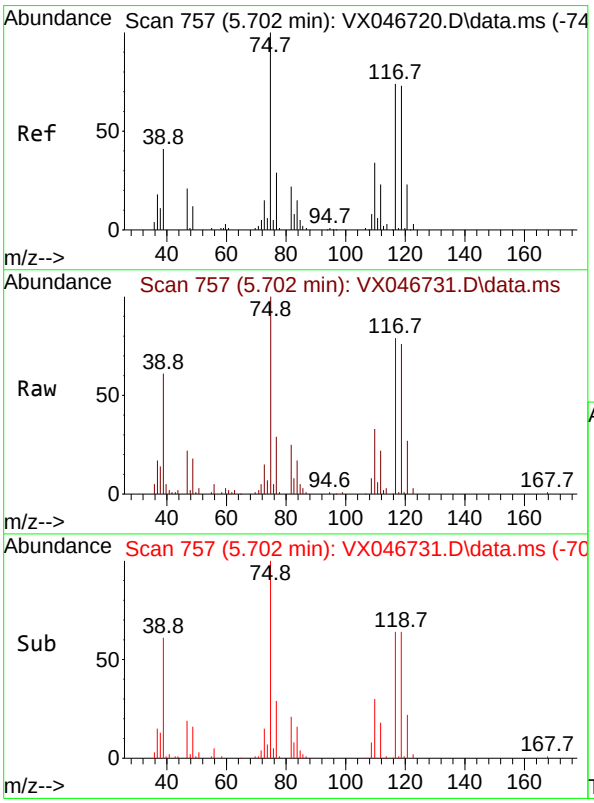
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

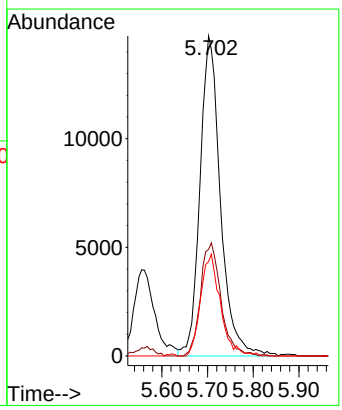
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

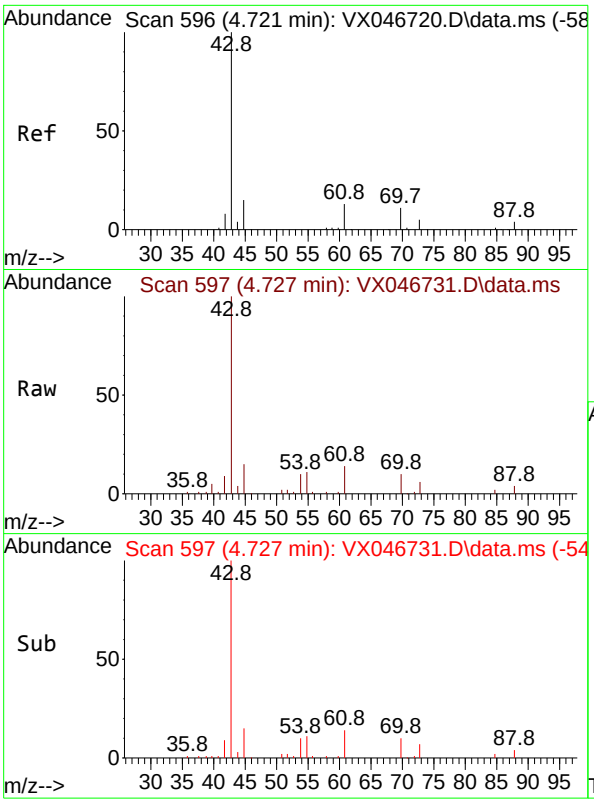



#36
1,1-Dichloropropene
Concen: 18.601 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 45886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.2 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |

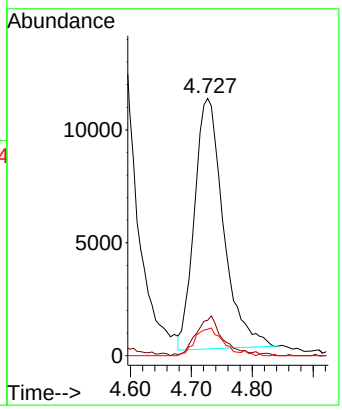





#37
Ethyl Acetate
Concen: 16.094 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 3664

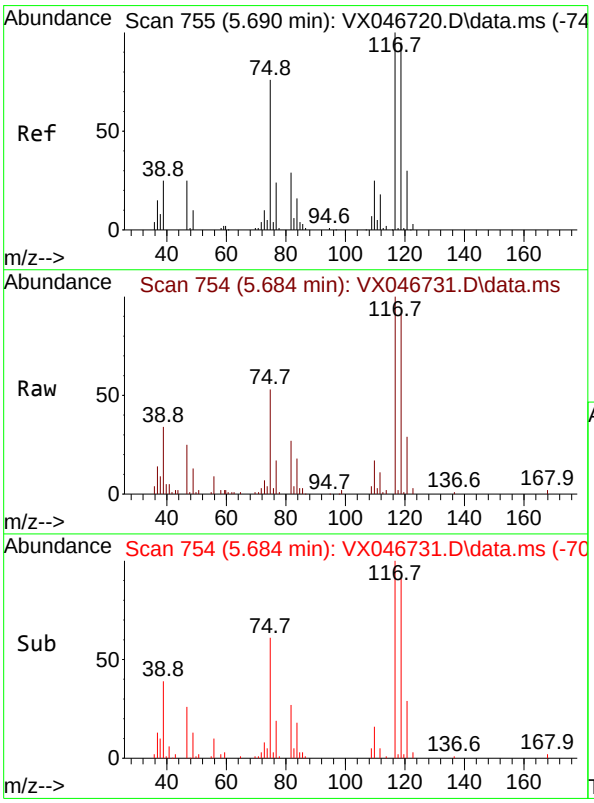
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.9 | 9.7 | 14.5 |
| 70 | 10.8 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

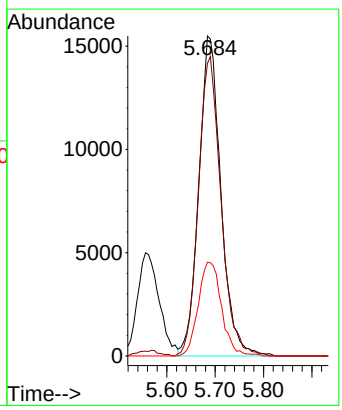
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

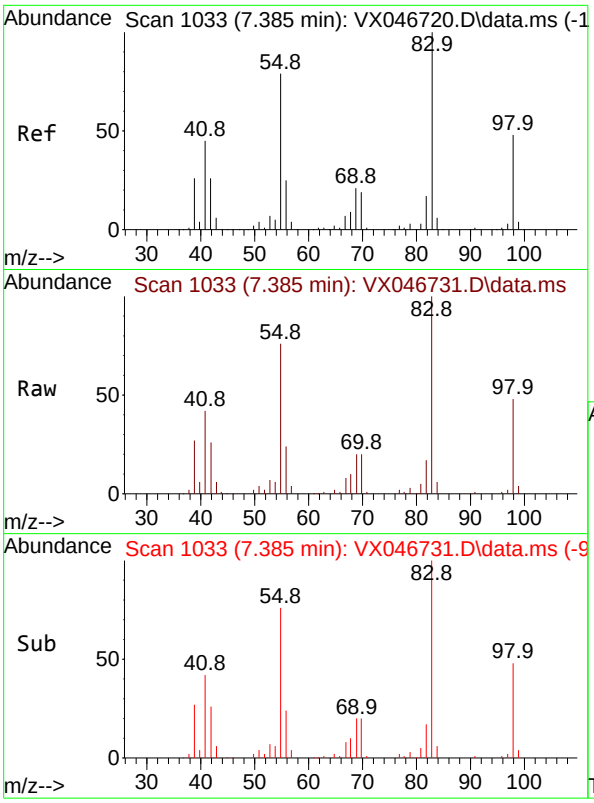



#38
Carbon Tetrachloride
Concen: 18.375 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:117 Resp: 49192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.4 | 75.2 | 112.8 |
| 121 | 29.3 | 24.1 | 36.1 |

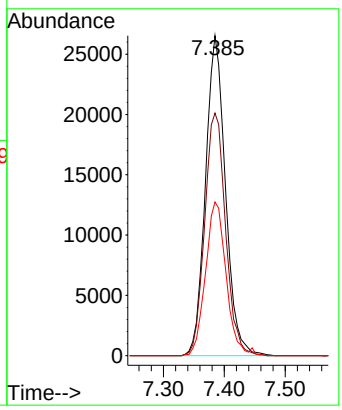





#39
Methylcyclohexane
Concen: 18.628 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 83 Resp: 6047

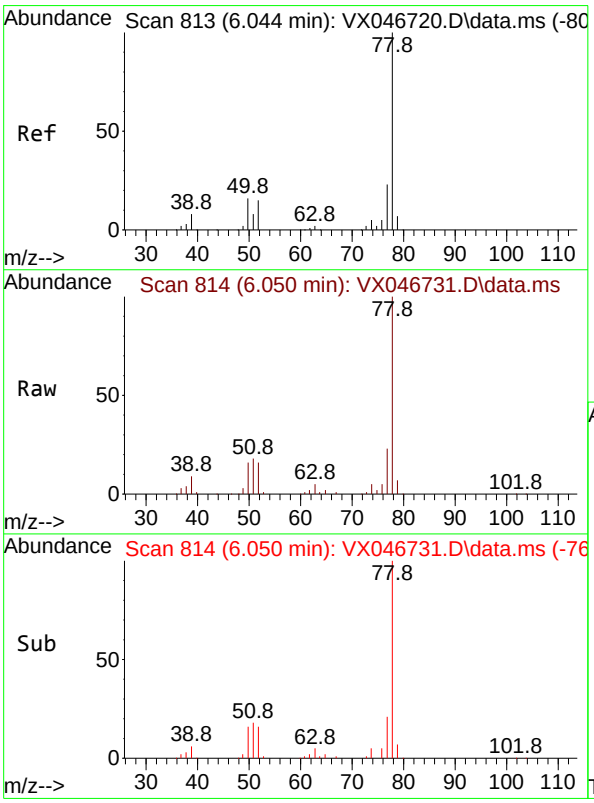
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.8 | 63.0 | 94.4 |
| 98 | 48.1 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

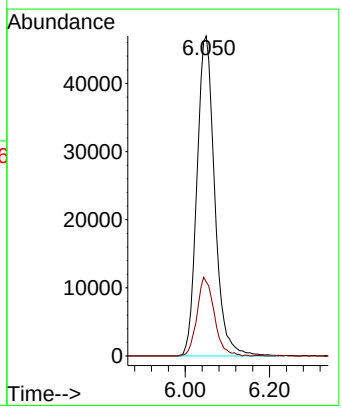
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

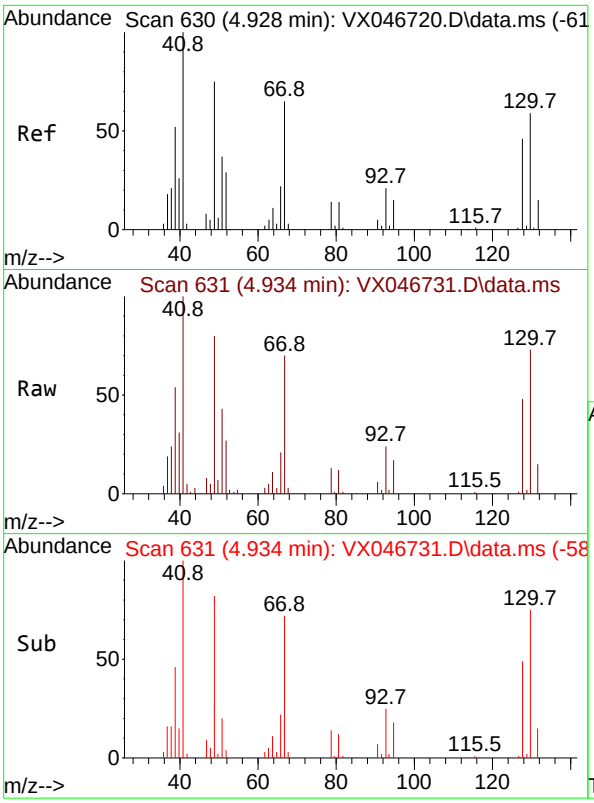



#40
Benzene
Concen: 18.845 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 78 Resp: 137579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.8 | 28.2 |

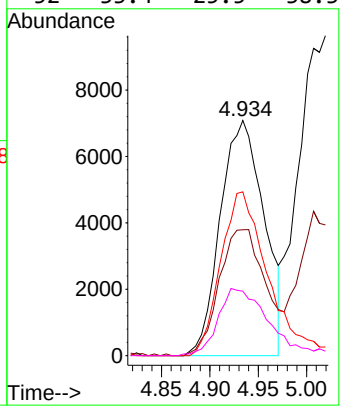





#41
Methacrylonitrile
Concen: 18.378 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 41 Resp: 2230

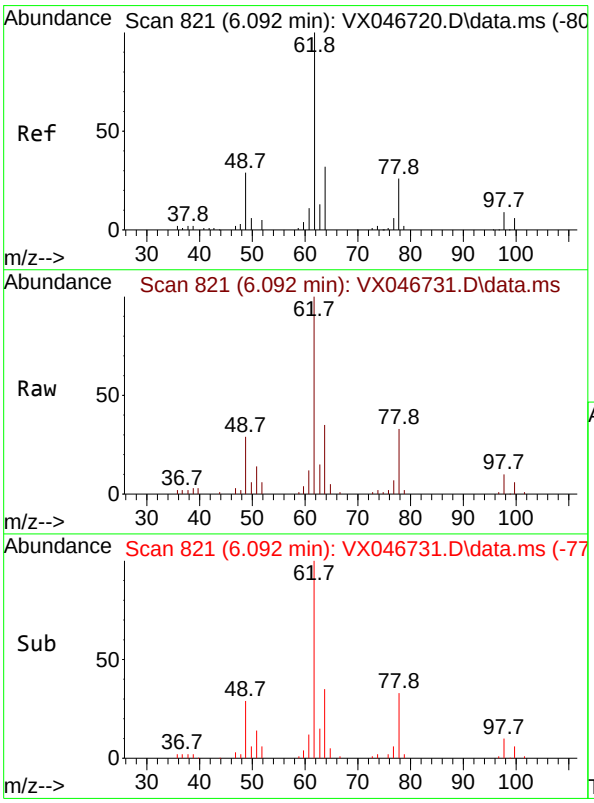
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.7 | 45.9 | 68.9 |
| 67 | 75.9 | 61.2 | 91.8 |
| 52 | 33.4 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

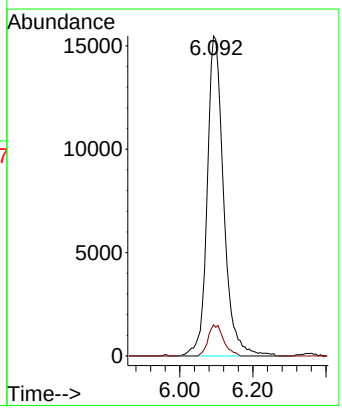
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

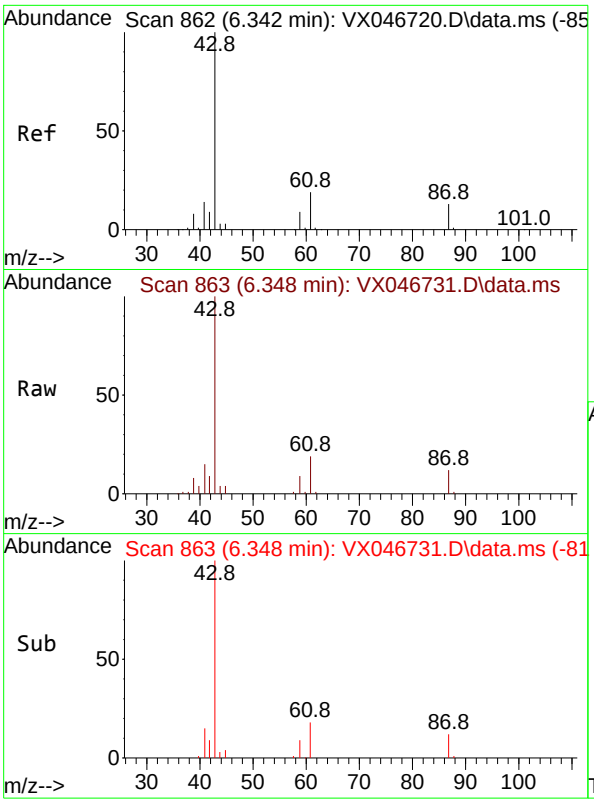



#42
1,2-Dichloroethane
Concen: 18.805 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 62 Resp: 48245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.8 |

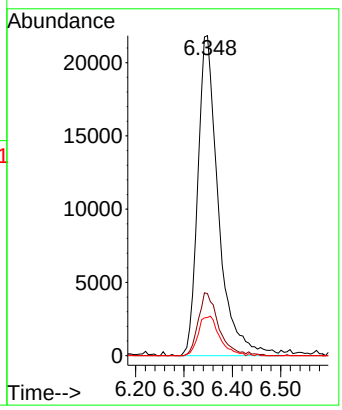





#43
Isopropyl Acetate
Concen: 18.129 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 6459

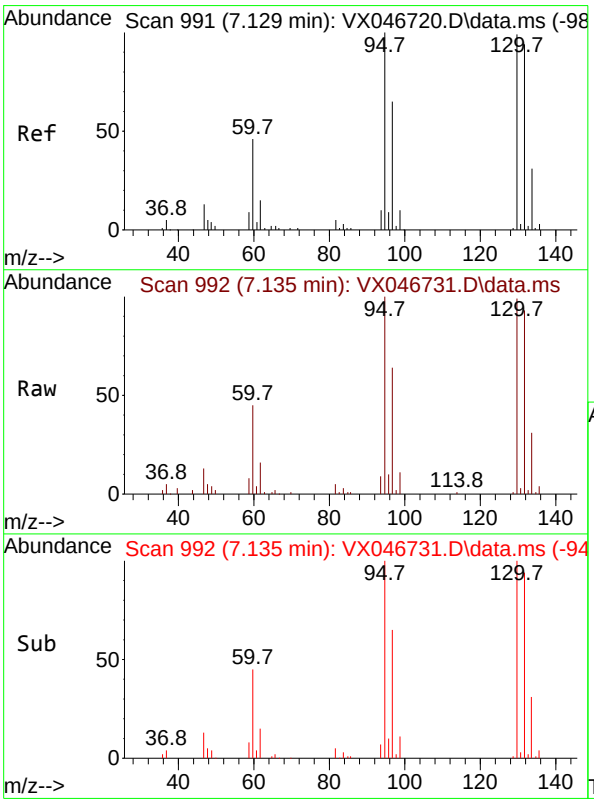
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.6 | 15.3 | 22.9 |
| 87 | 12.8 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

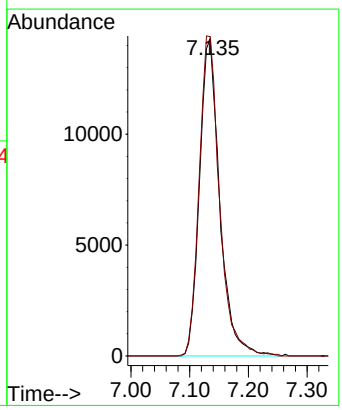
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

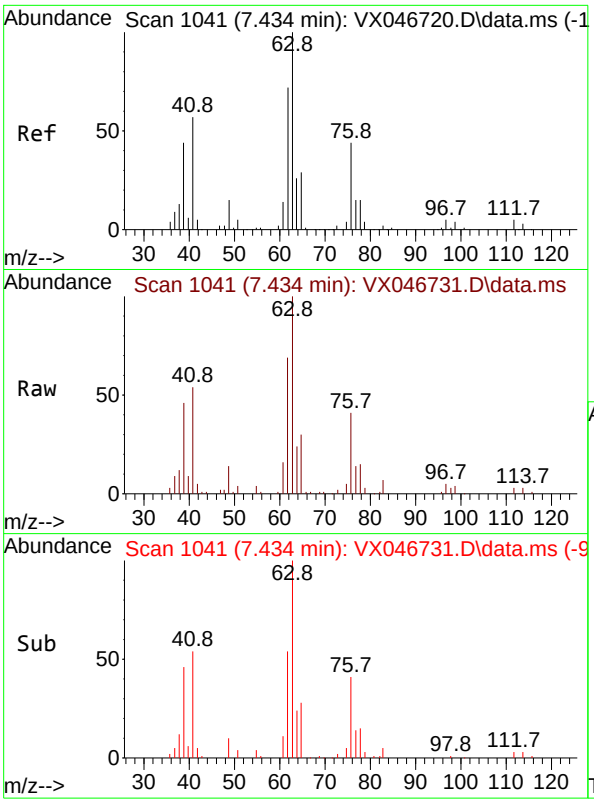



#44
Trichloroethene
Concen: 18.336 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:130 Resp: 34115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.6 | 0.0 | 202.6 |

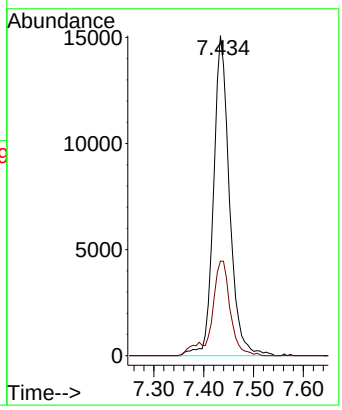





#45
1,2-Dichloropropane
Concen: 18.535 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 63 Resp: 3353

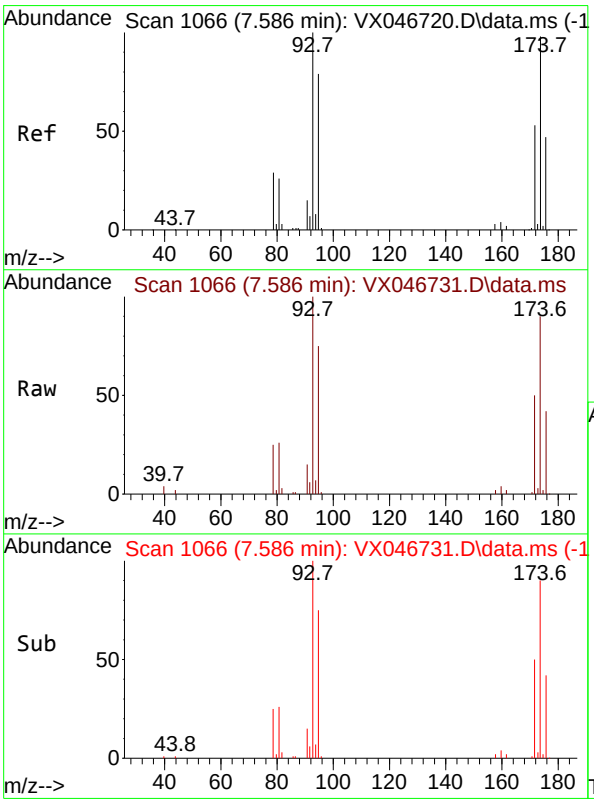
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

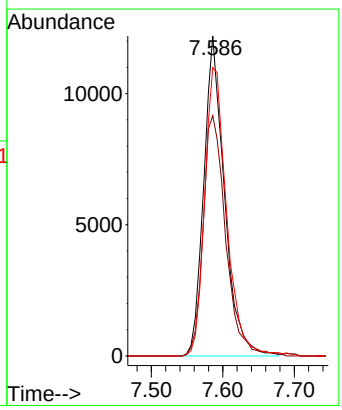
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

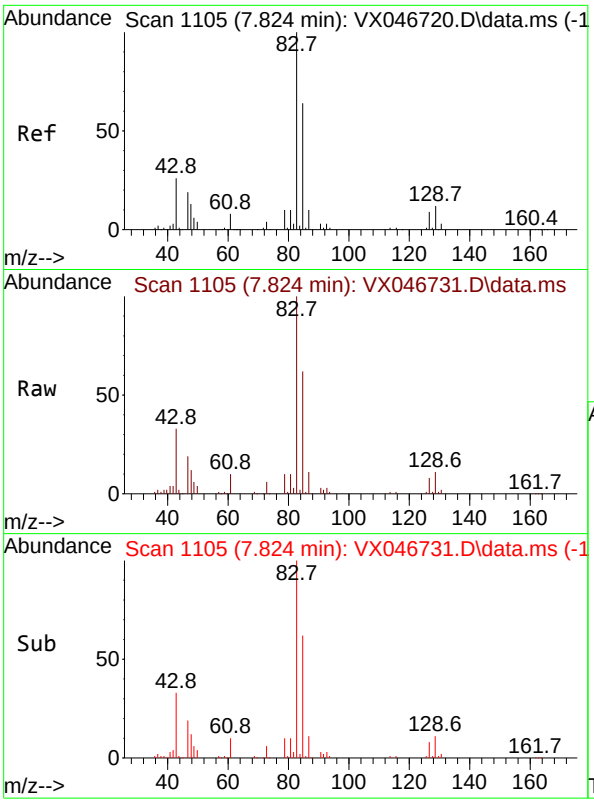



#46
Dibromomethane
Concen: 18.841 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 93 Resp: 24500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.5 | 66.2 | 99.4 |
| 174 | 96.0 | 77.0 | 115.6 |

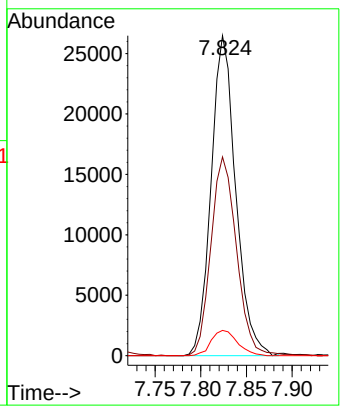





#47
Bromodichloromethane
Concen: 18.694 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 83 Resp: 4960

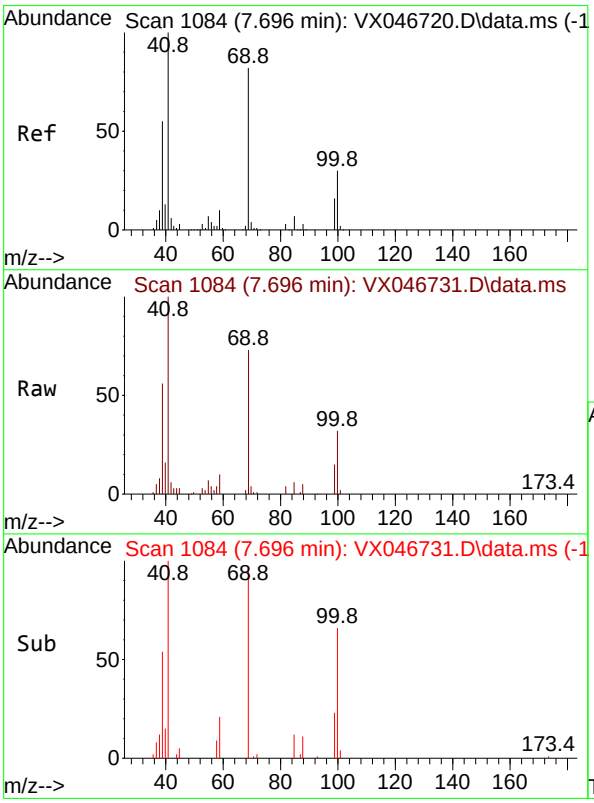
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 51.4 | 77.2 |
| 127 | 7.9 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

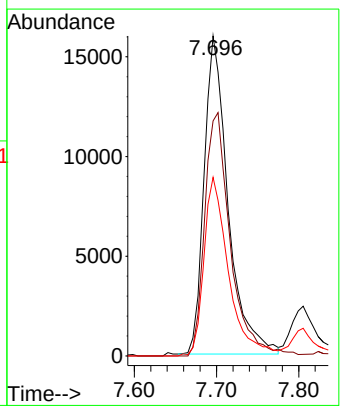
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

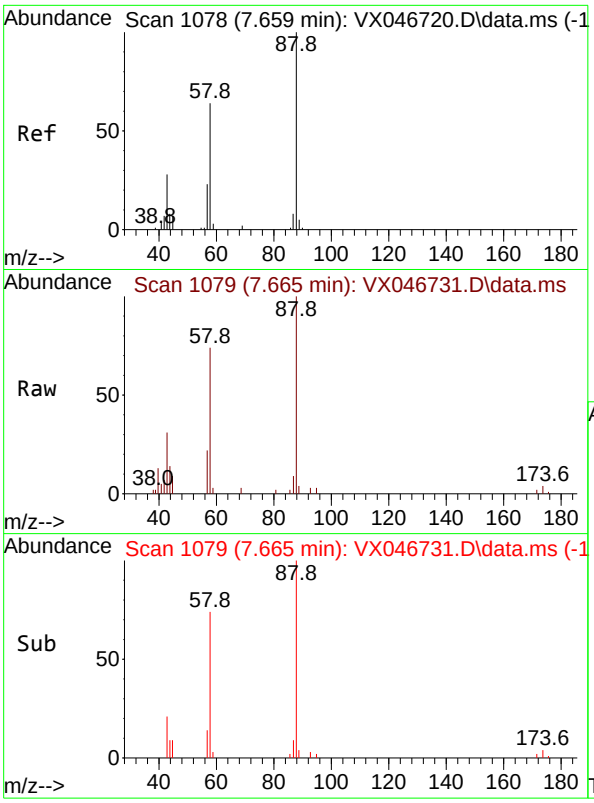



#48
Methyl methacrylate
Concen: 18.122 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 41 Resp: 32385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.8 | 63.4 | 95.2 |
| 39 | 57.5 | 45.4 | 68.0 |

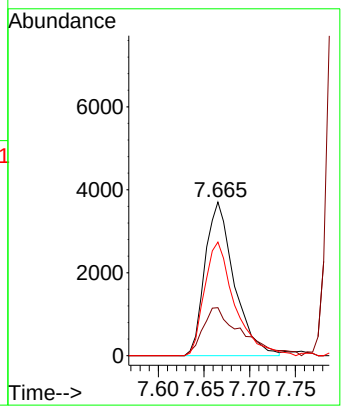





#49
1,4-Dioxane
Concen: 335.186 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 88 Resp: 821

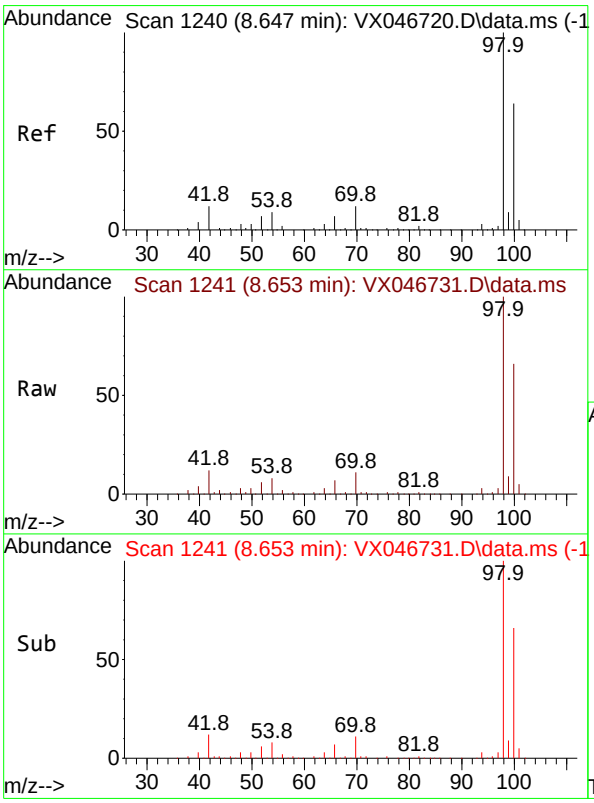
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 31.2 | 46.8 |
| 58 | 76.6 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

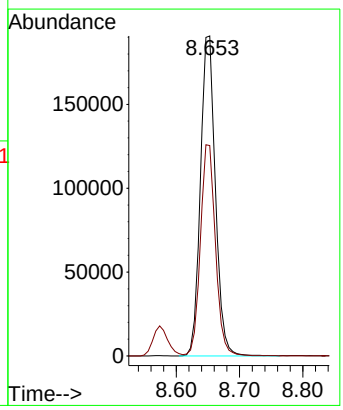
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

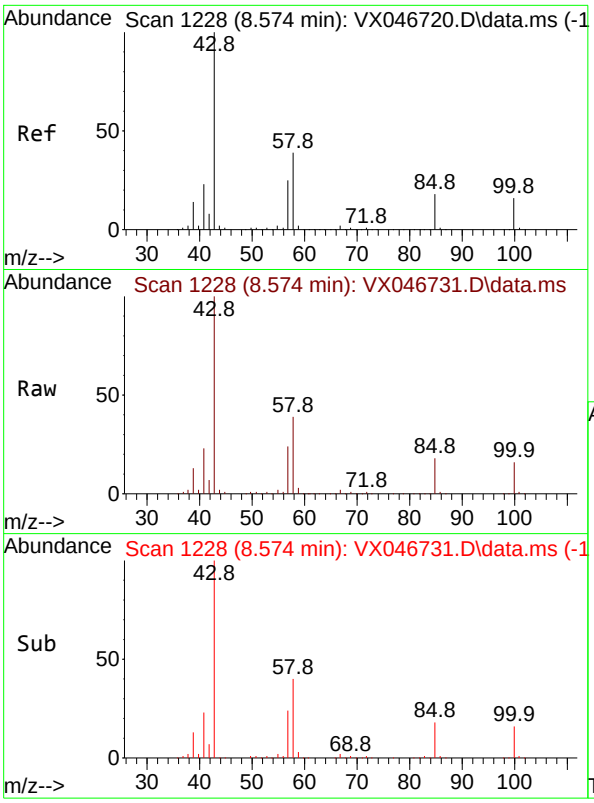



#50
Toluene-d8
Concen: 51.335 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 98 Resp: 315181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

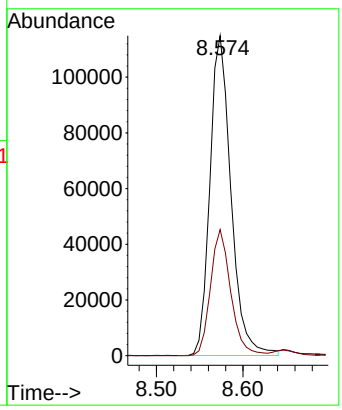





#51
4-Methyl-2-Pentanone
Concen: 91.344 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 19411

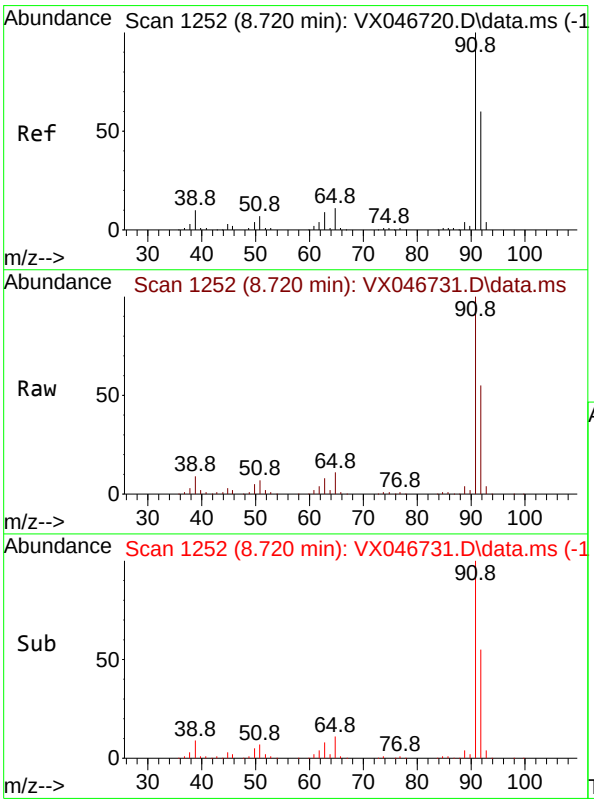
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

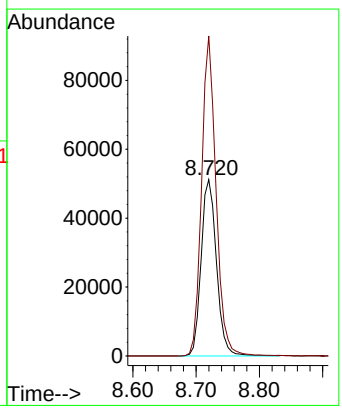
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

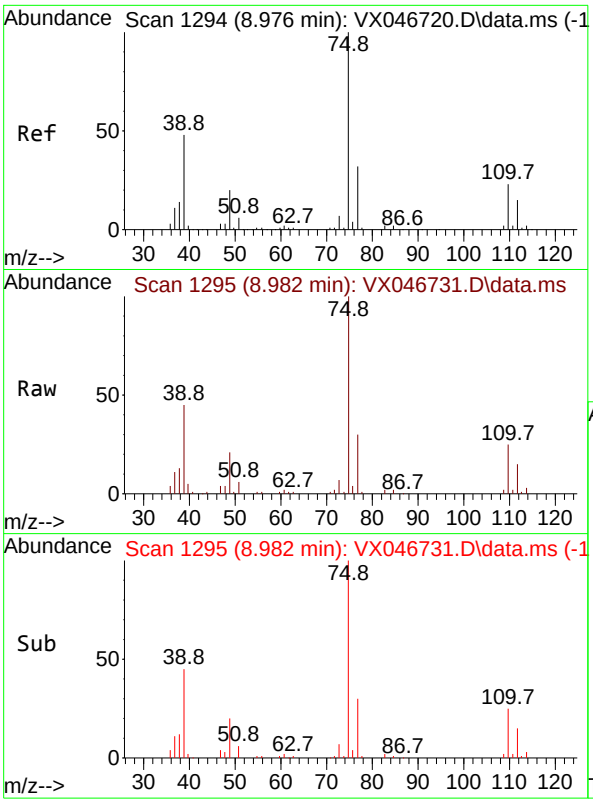



#52
Toluene
Concen: 19.090 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 92 Resp: 86400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 134.8 | 202.2 |

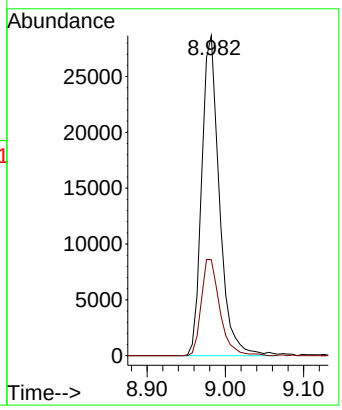





#53
t-1,3-Dichloropropene
Concen: 18.263 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 4496

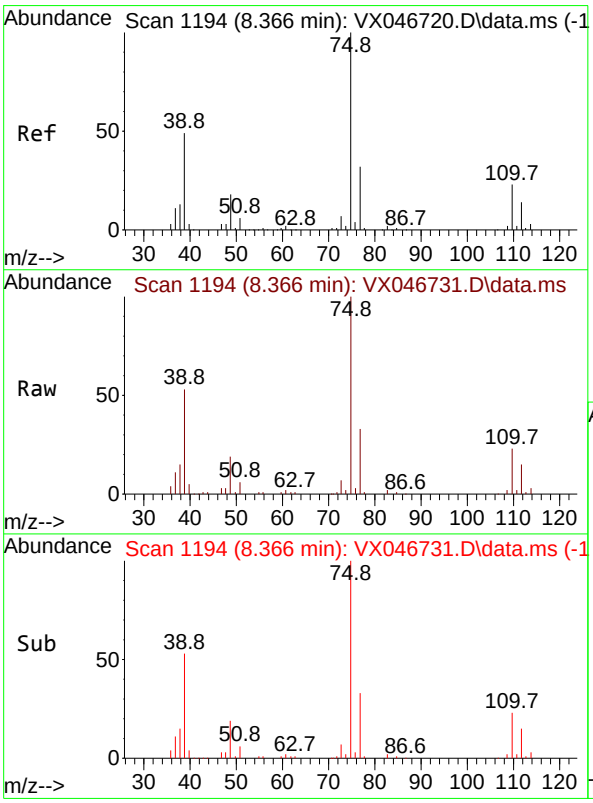
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

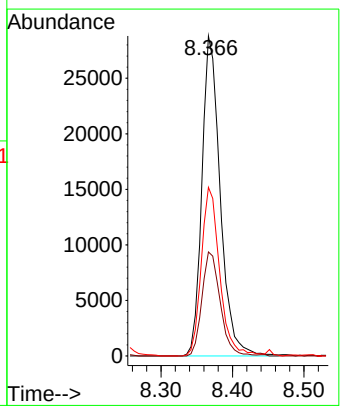
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

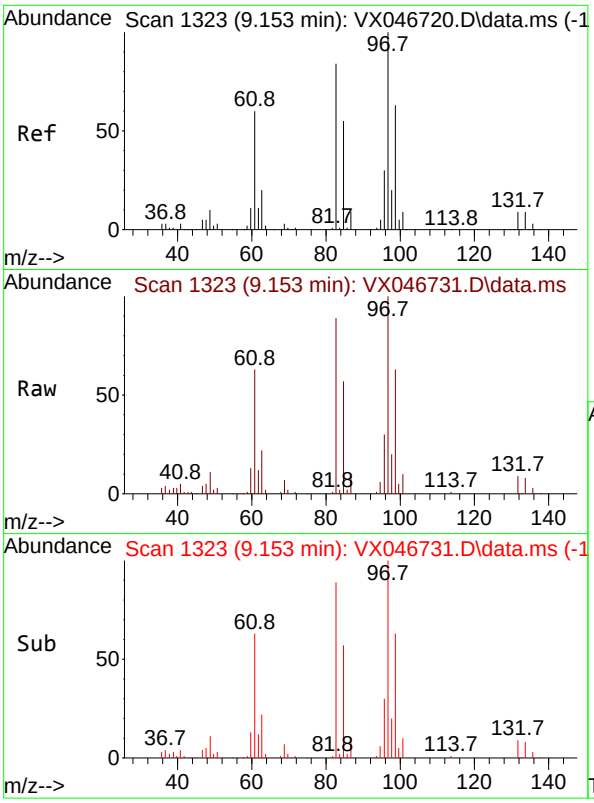



#54
cis-1,3-Dichloropropene
Concen: 18.372 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 51349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.3 | 37.9 |
| 39 | 52.7 | 39.2 | 58.8 |

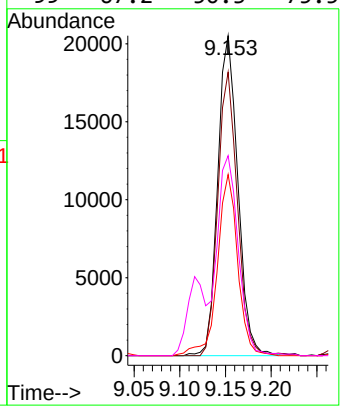





#55
1,1,2-Trichloroethane
Concen: 18.674 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 97 Resp: 3149

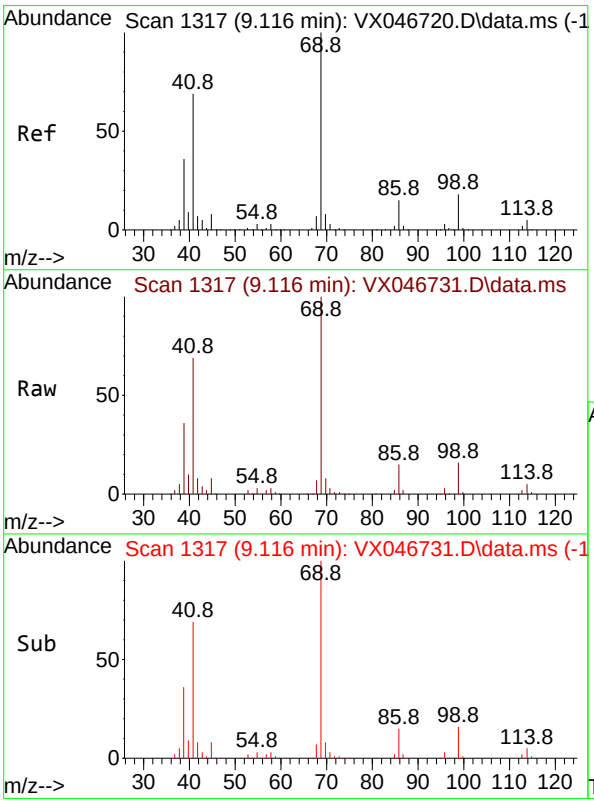
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.6 | 67.2 | 100.8 |
| 85 | 56.6 | 44.1 | 66.1 |
| 99 | 67.2 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

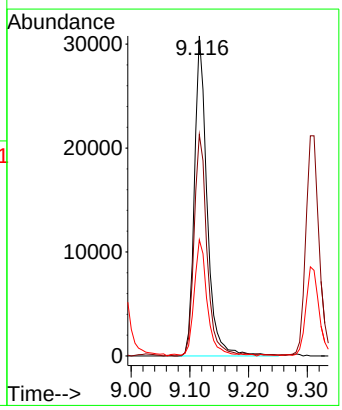
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

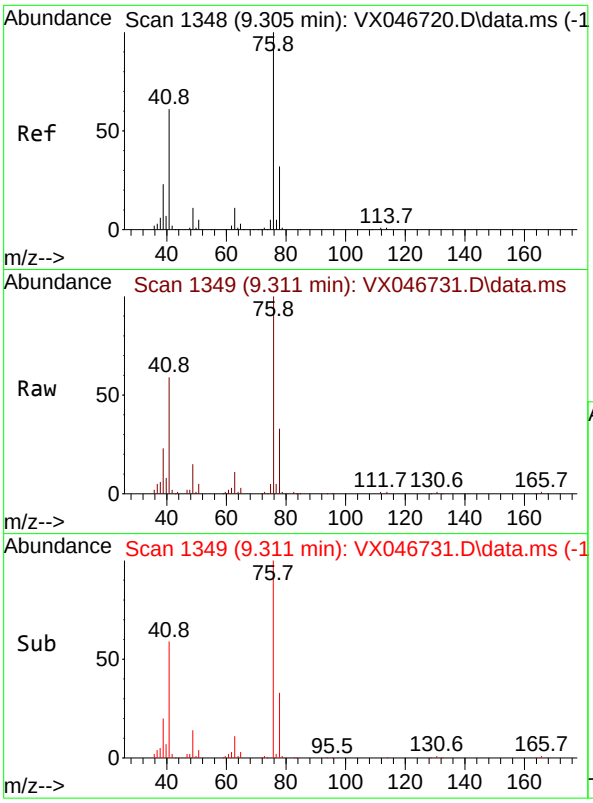



#56
Ethyl methacrylate
Concen: 18.500 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 69 Resp: 46060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.1 | 55.4 | 83.2 |
| 39 | 37.7 | 29.7 | 44.5 |

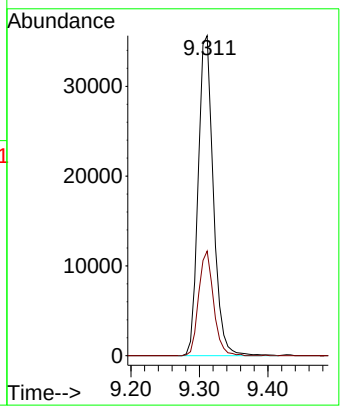





#57
1,3-Dichloropropane
Concen: 18.853 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 76 Resp: 5475

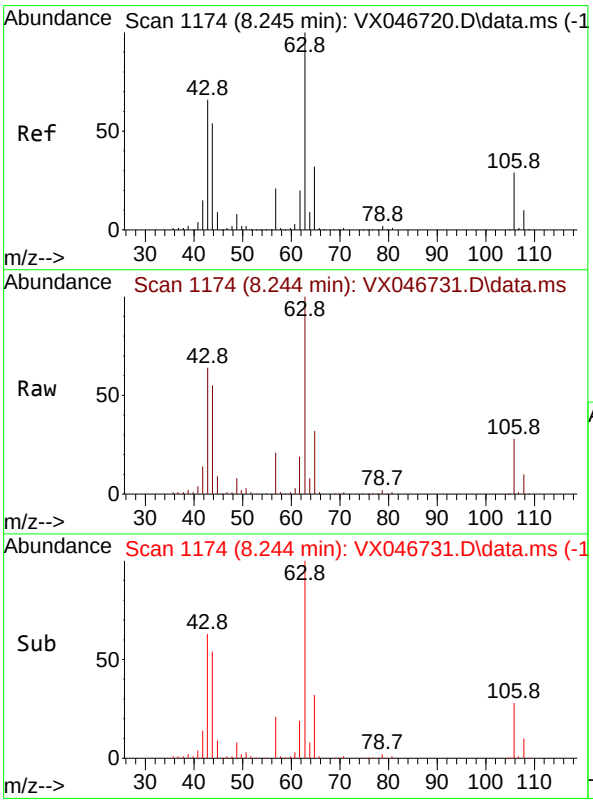
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

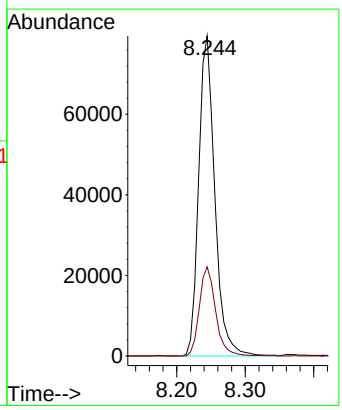
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

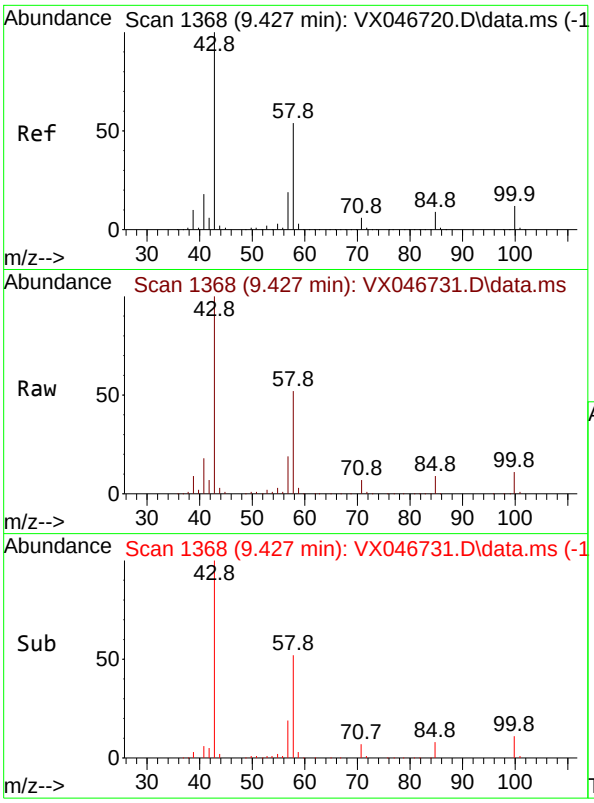



#58
2-Chloroethyl Vinyl ether
Concen: 100.816 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 63 Resp: 130389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.6 | 34.0 |

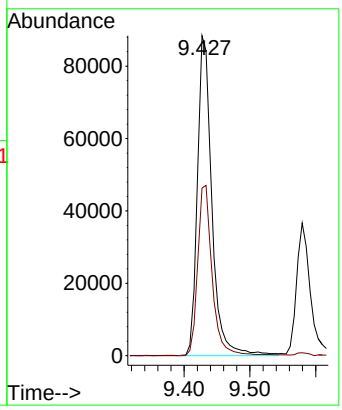





#59
2-Hexanone
Concen: 92.207 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 13546

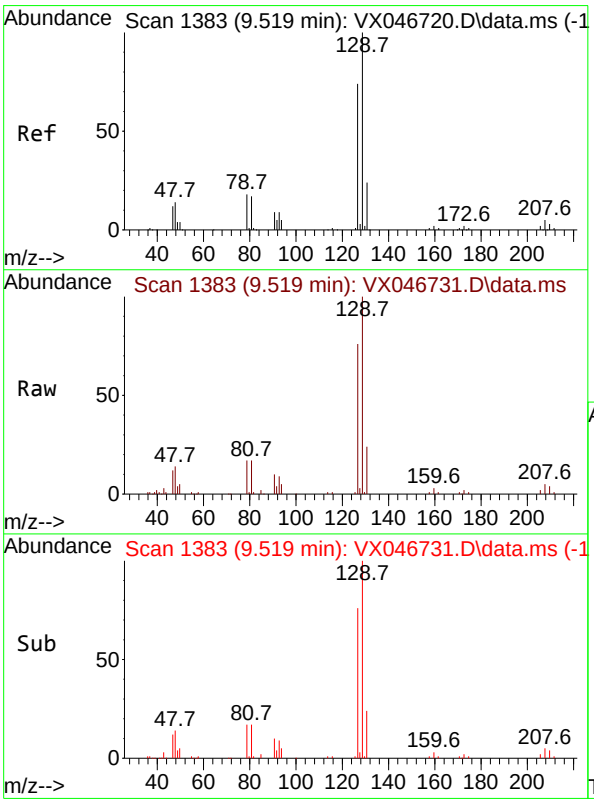
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.8 | 80.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

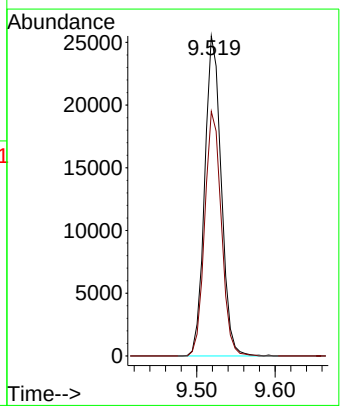
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

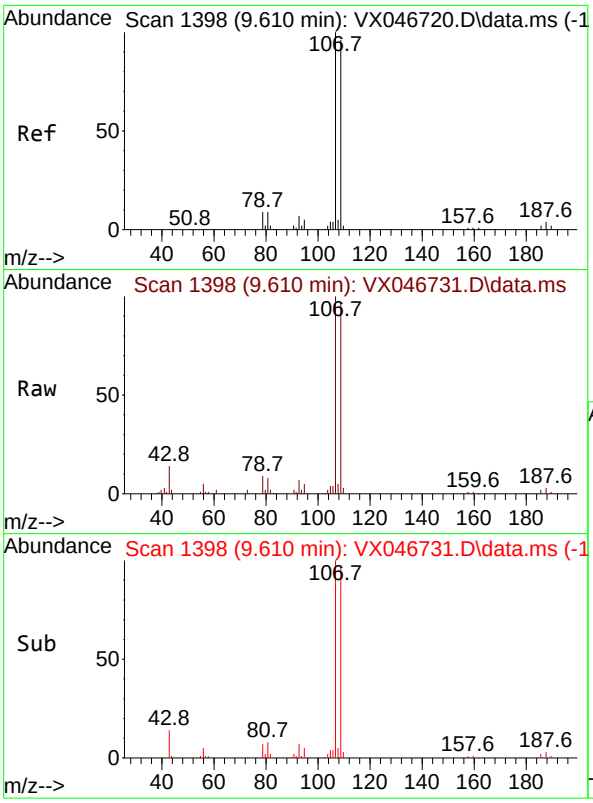



#60
Dibromochloromethane
Concen: 18.767 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:129 Resp: 37303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.7 | 38.4 | 115.2 |

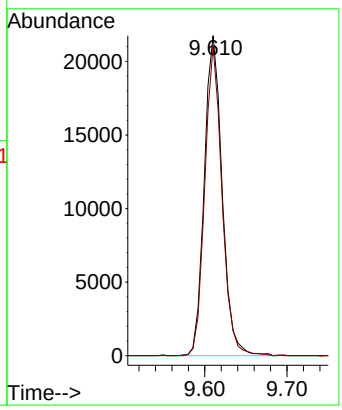





#61
1,2-Dibromoethane
Concen: 19.131 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:107 Resp: 3282

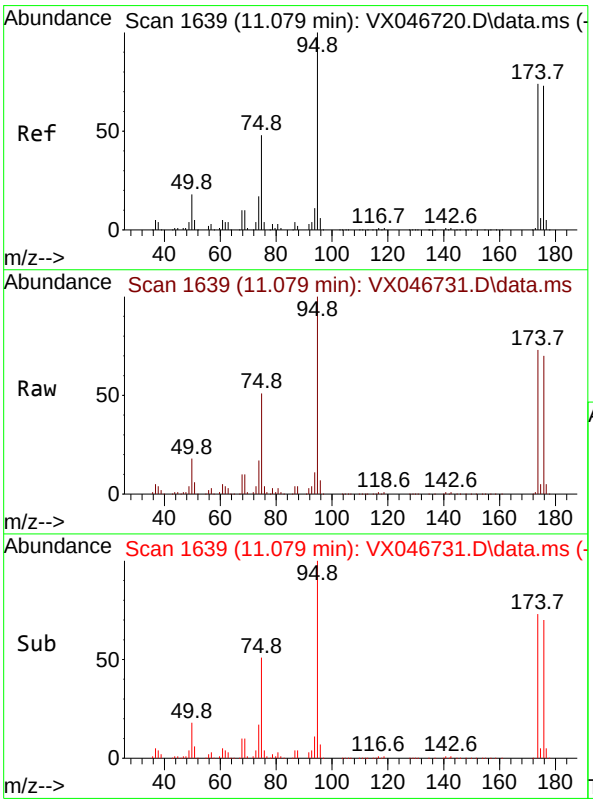
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.2 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

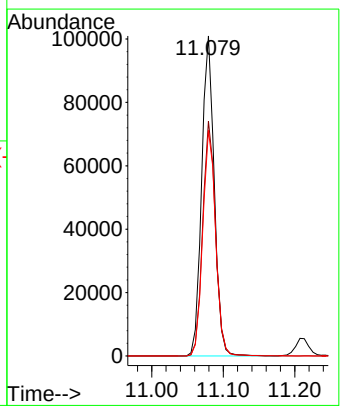
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

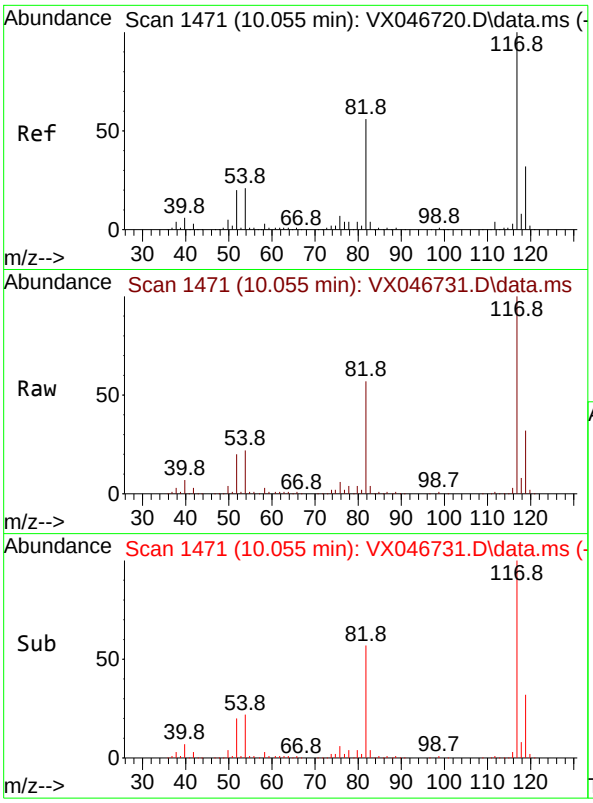



#62
4-Bromofluorobenzene
Concen: 53.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 95 Resp: 123307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.0 | 0.0 | 150.4 |
| 176 | 72.3 | 0.0 | 145.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

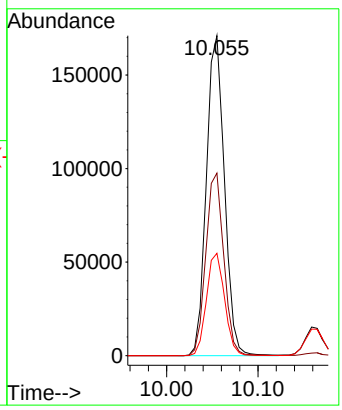
Tgt Ion:117 Resp: 23403

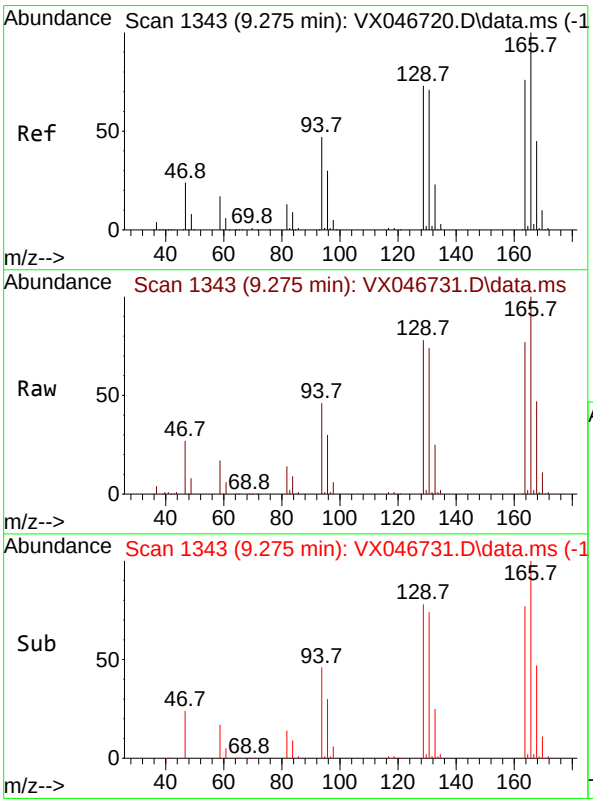
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 44.6 | 66.8 |
| 119 | 32.0 | 25.8 | 38.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

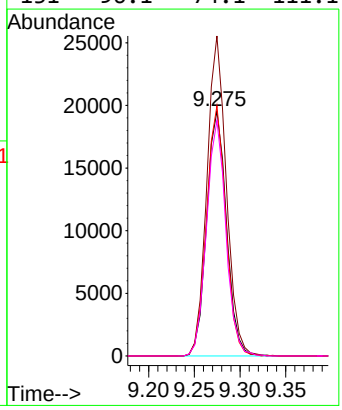


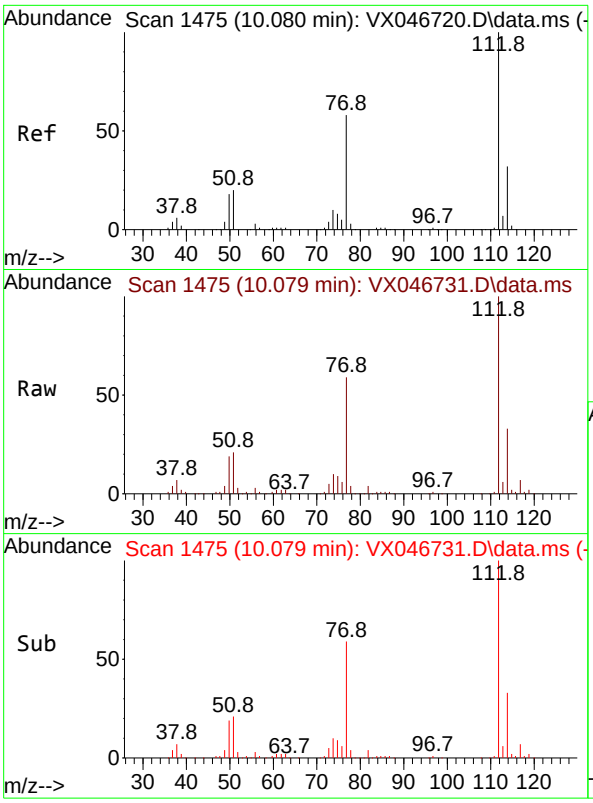




#64
Tetrachloroethene
Concen: 18.146 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:164 Resp: 29423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.7 | 104.6 | 157.0 |
| 129 | 102.0 | 76.3 | 114.5 |
| 131 | 96.1 | 74.1 | 111.1 |

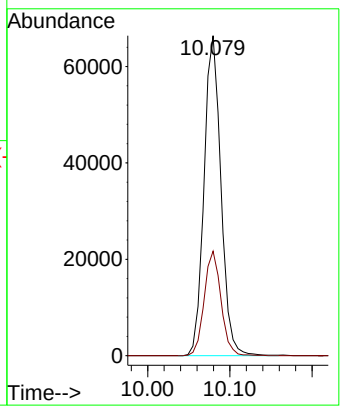





#65
Chlorobenzene
Concen: 18.339 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:112 Resp: 9474

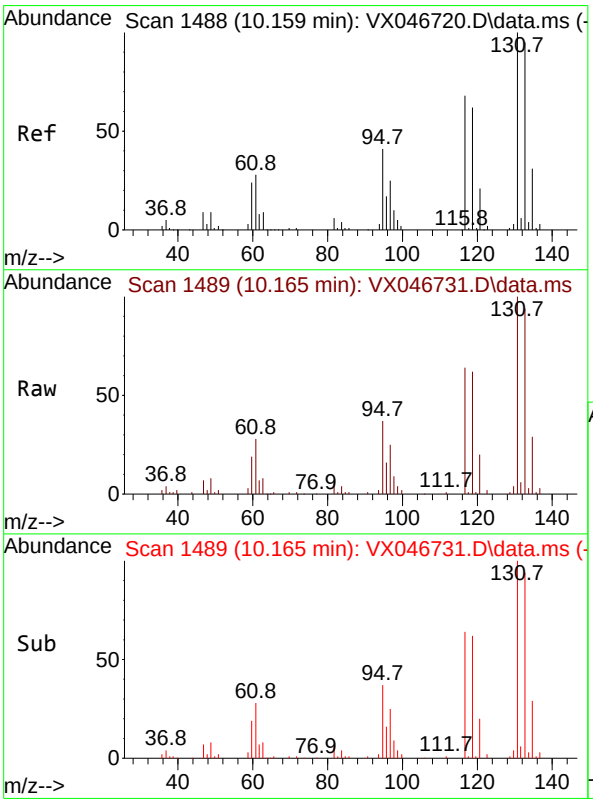
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

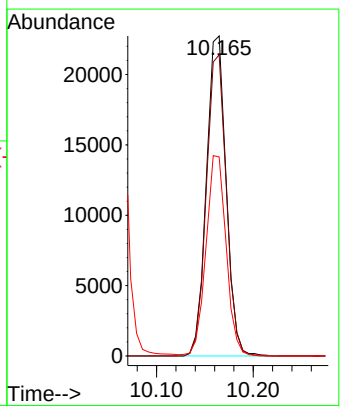
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

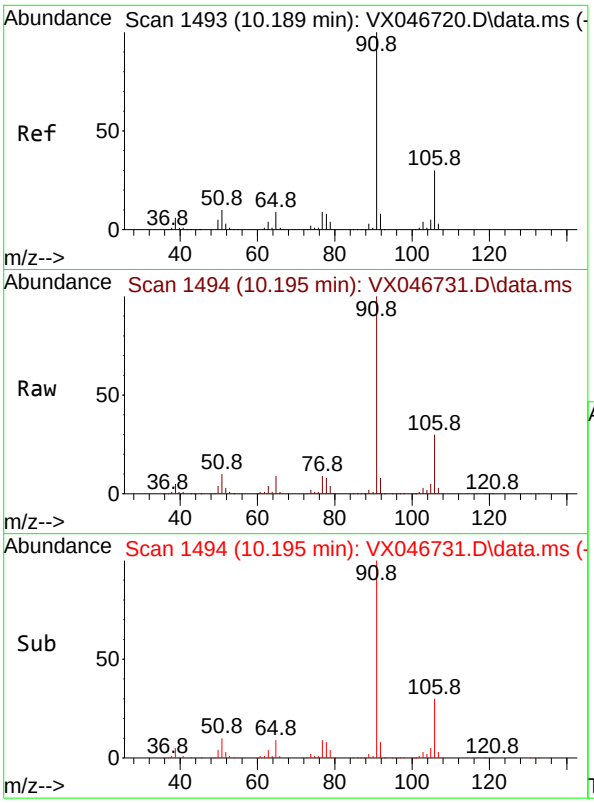



#66
1,1,1,2-Tetrachloroethane
Concen: 18.632 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:131 Resp: 32350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |

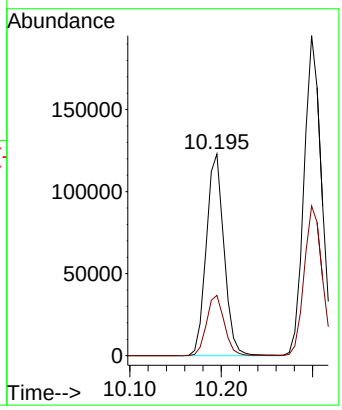





#67
Ethyl Benzene
Concen: 18.304 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 16522

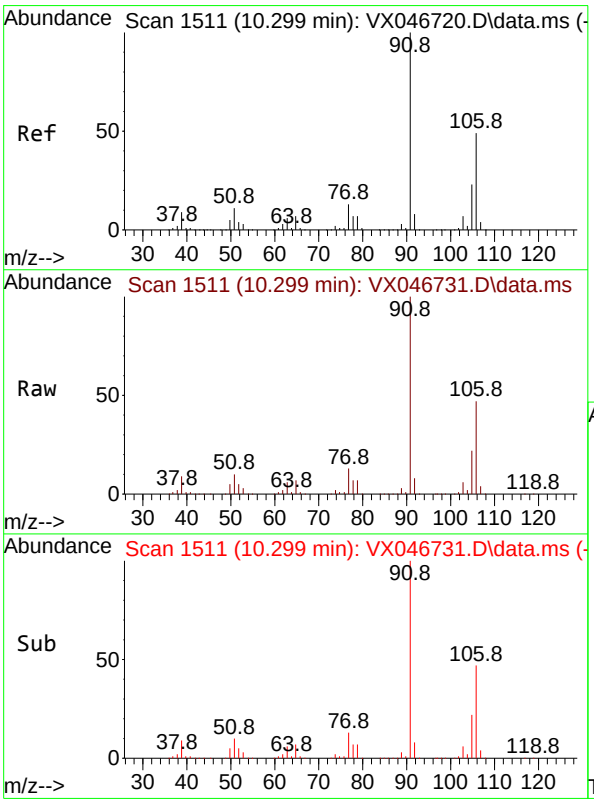
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

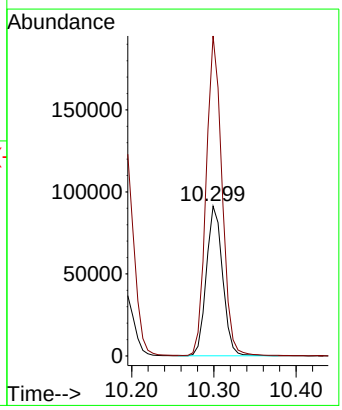
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

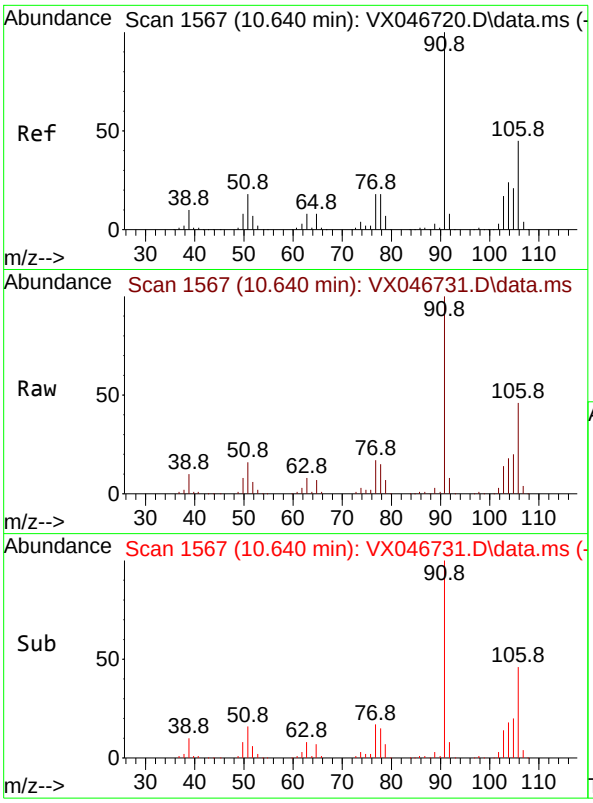



#68
m/p-Xylenes
Concen: 37.239 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:106 Resp: 125249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.8 | 164.8 | 247.2 |

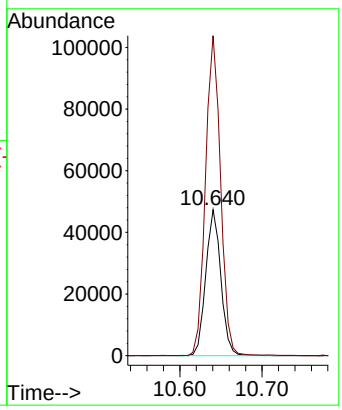





#69
o-Xylene
Concen: 19.136 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:106 Resp: 6031

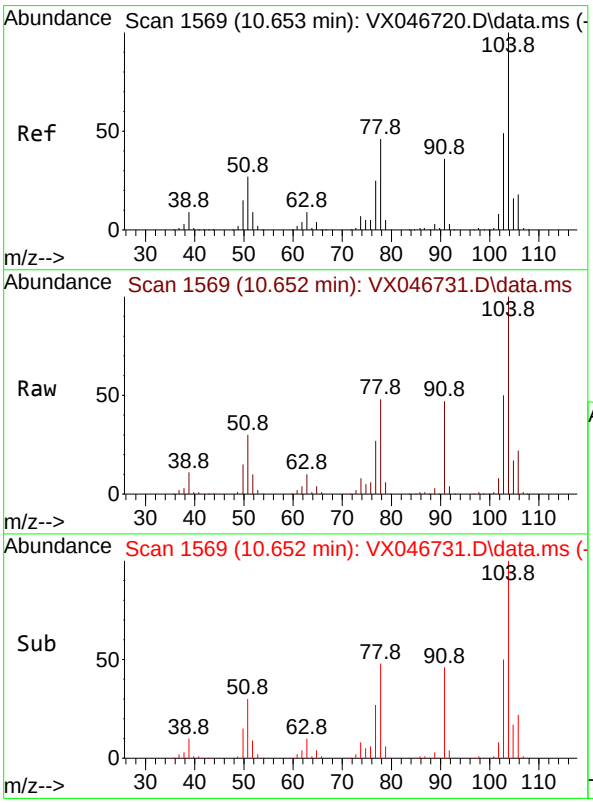
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.5 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

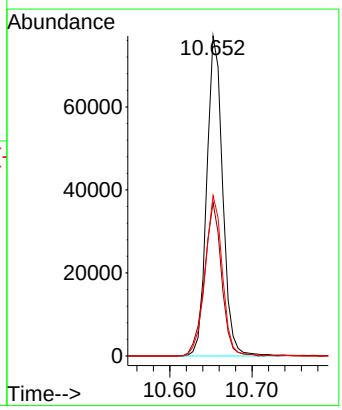
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

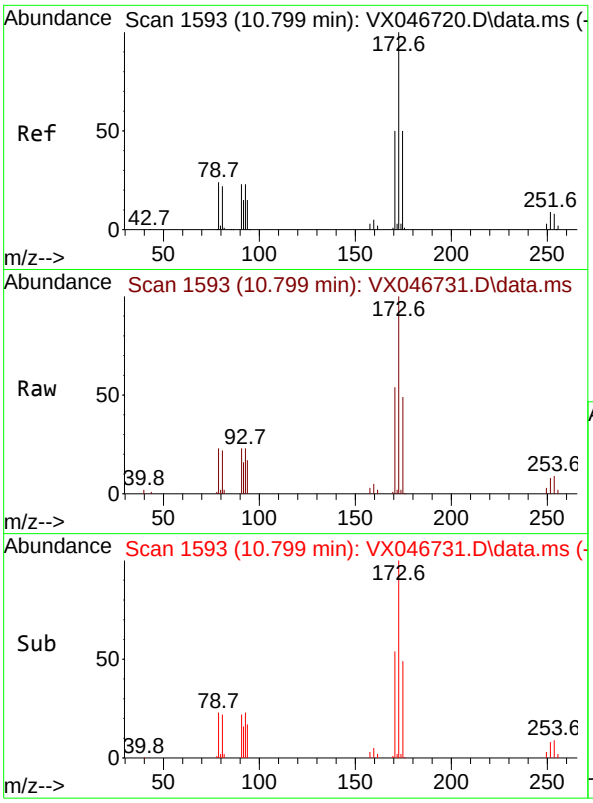



#70
Styrene
Concen: 18.804 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:104 Resp: 103726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.4 | 62.2 |
| 103 | 54.0 | 43.1 | 64.7 |

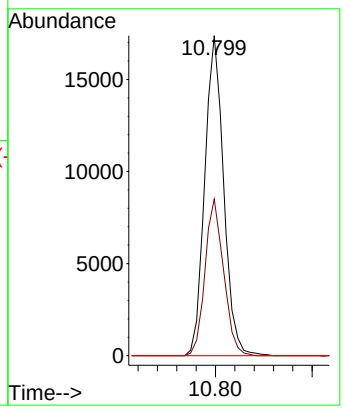





#71
Bromoform
Concen: 17.907 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:173 Resp: 2367

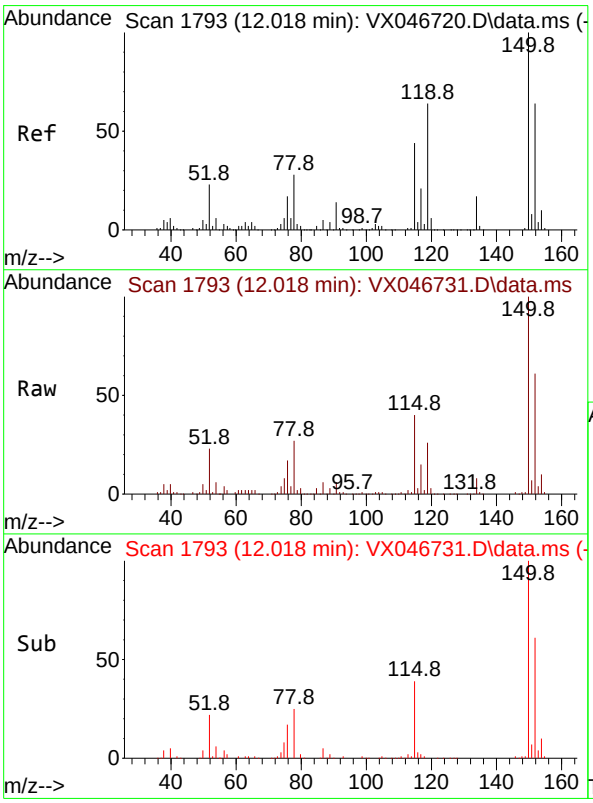
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

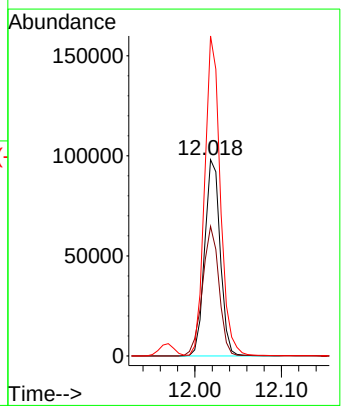
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

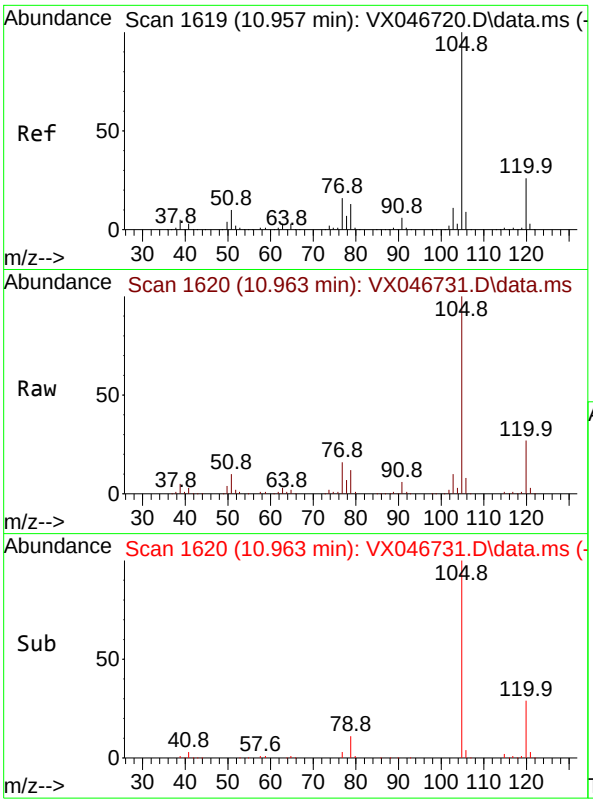



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:152 Resp: 121898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.4 | 43.2 | 129.6 |
| 150 | 164.9 | 0.0 | 346.8 |






#73
Isopropylbenzene
Concen: 17.941 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

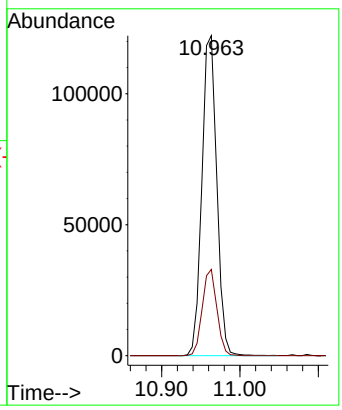
Tgt Ion:105 Resp: 16106

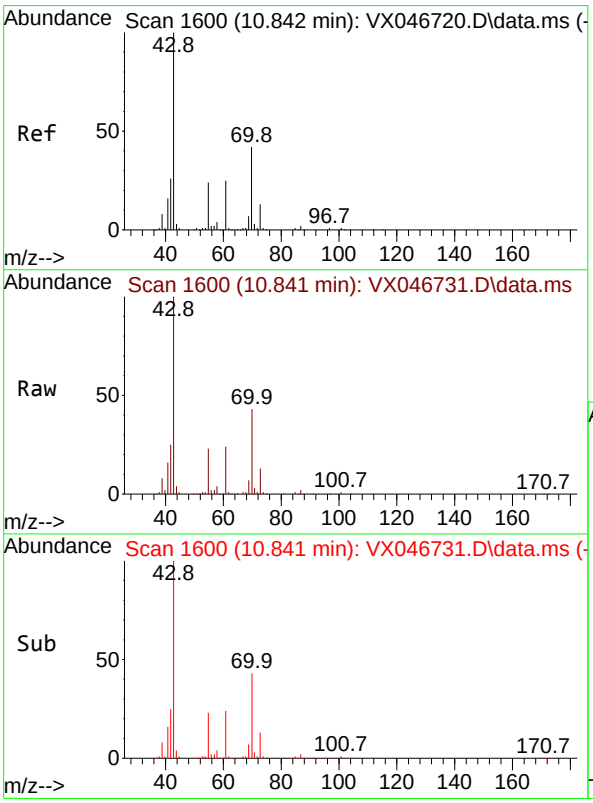
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

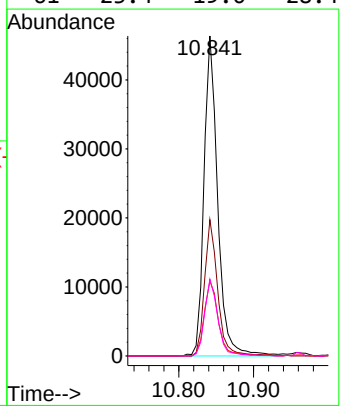


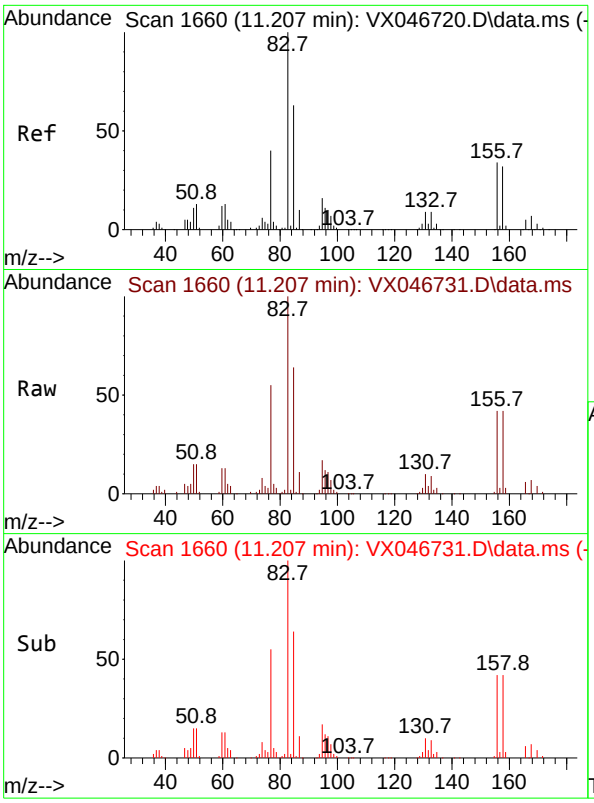




#74
N-amyl acetate
Concen: 17.325 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 58929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 33.4 | 50.0 |
| 55 | 24.3 | 19.1 | 28.7 |
| 61 | 23.4 | 19.0 | 28.4 |

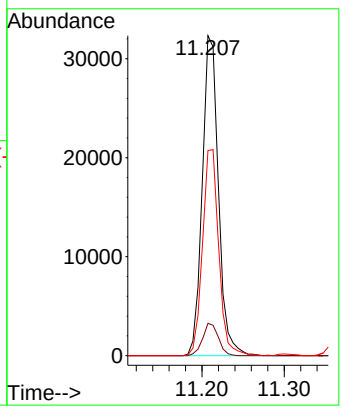





#75
1,1,2,2-Tetrachloroethane
Concen: 17.613 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 83 Resp: 4415

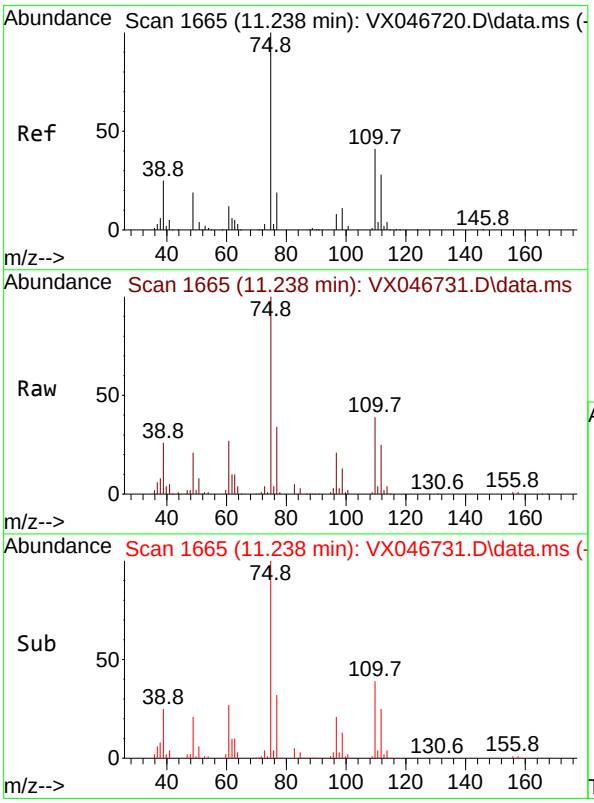
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.9 | 14.6 |
| 85 | 64.6 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

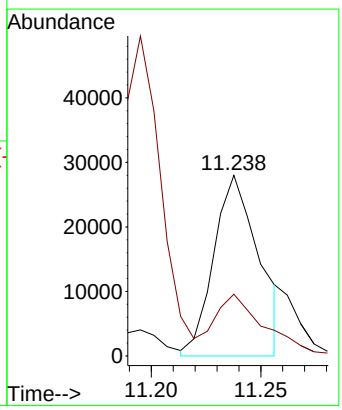
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

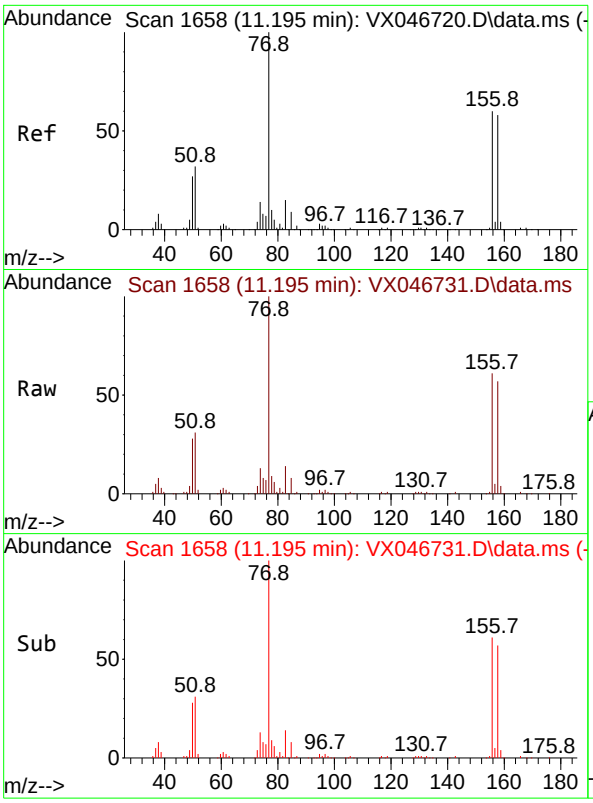



#76
1,2,3-Trichloropropane
Concen: 17.949 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 40073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.4 | 18.5 | 55.5 |

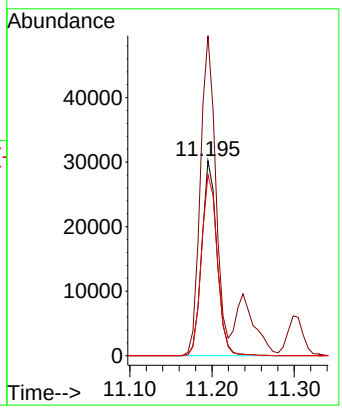





#77
Bromobenzene
Concen: 17.979 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:156 Resp: 3884

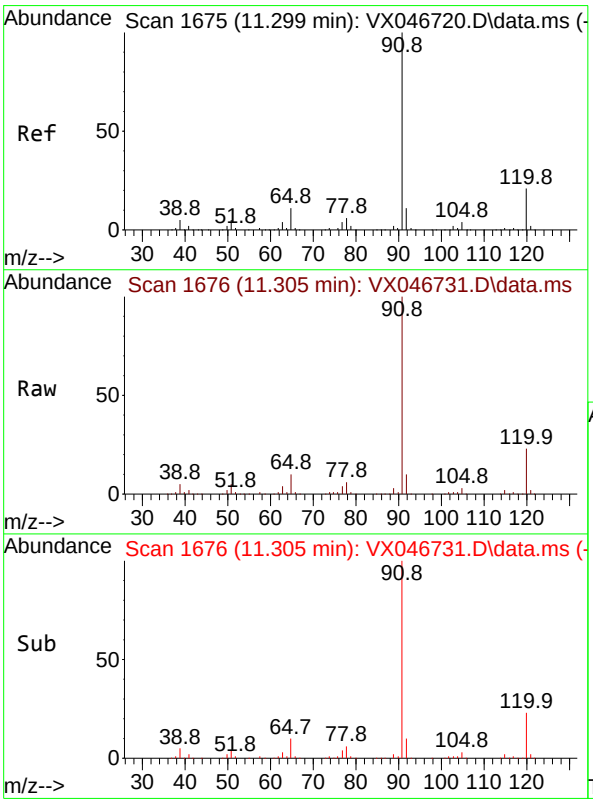
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.3 | 82.8 | 248.6 |
| 158 | 96.5 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

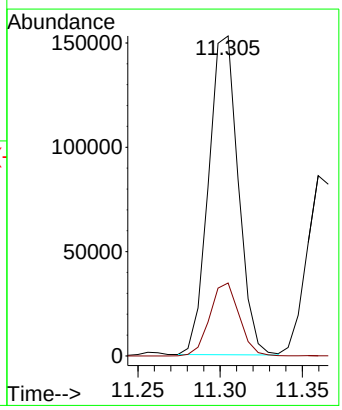
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

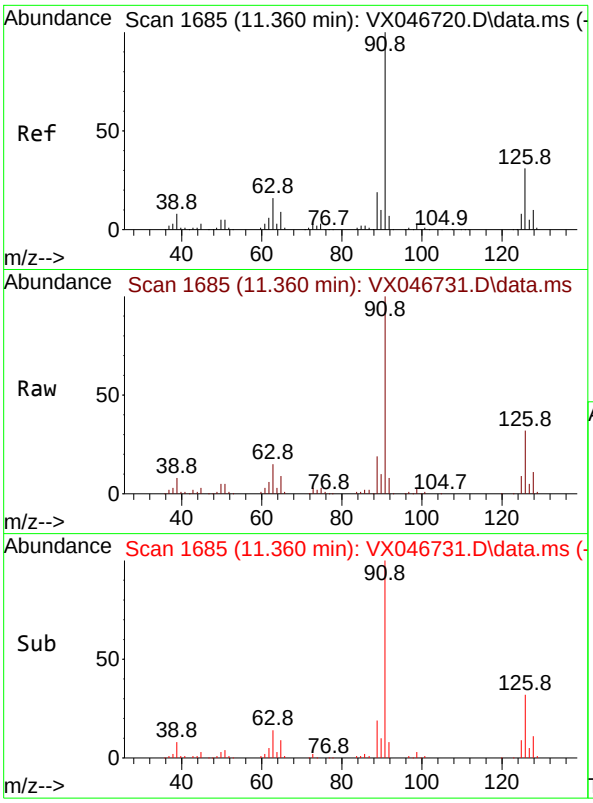



#78
n-propylbenzene
Concen: 18.026 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 192217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |

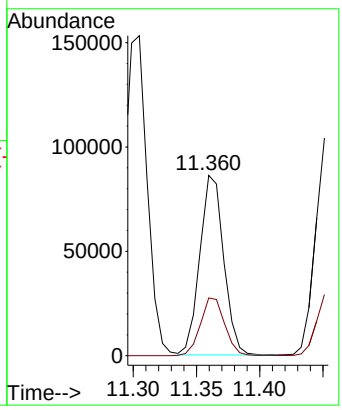





#79
2-Chlorotoluene
Concen: 17.818 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 11344

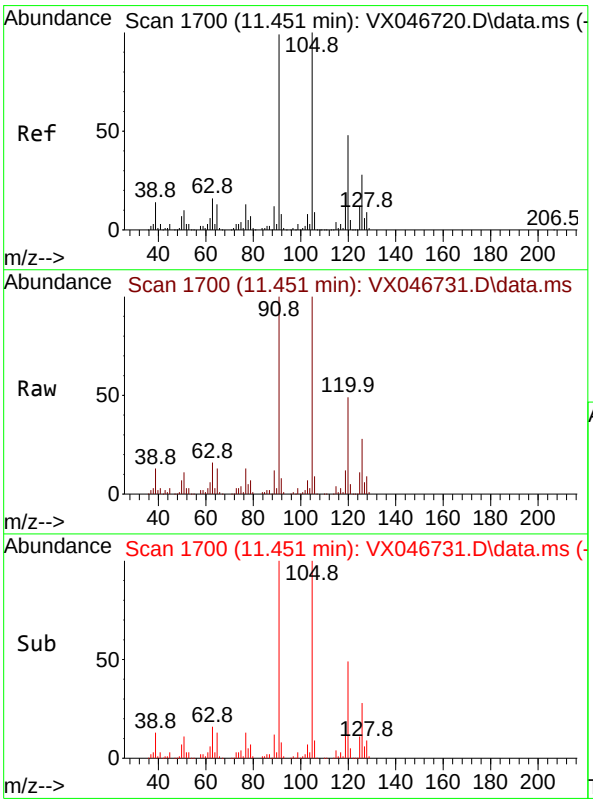
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

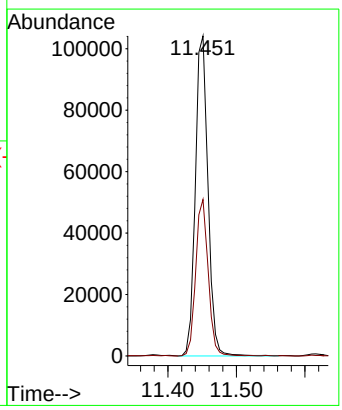
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

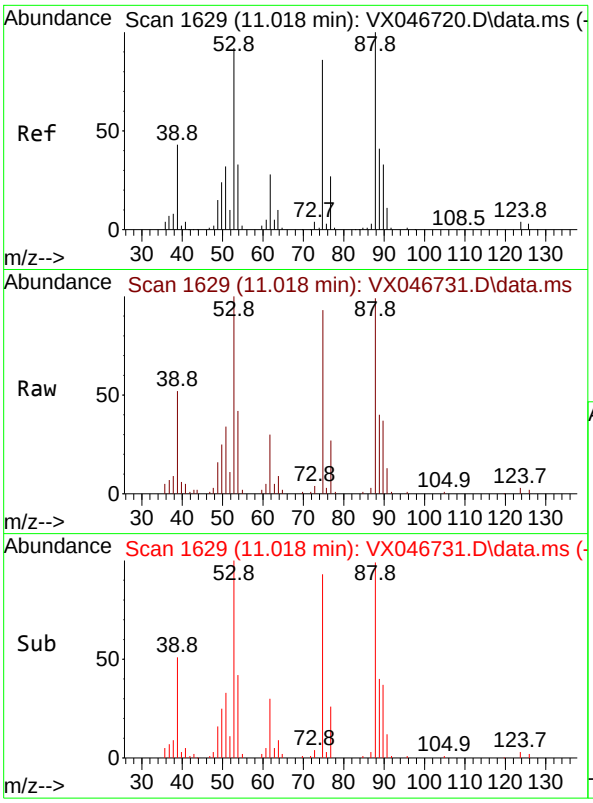



#80
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:105 Resp: 133755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.1 | 72.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 15.949 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

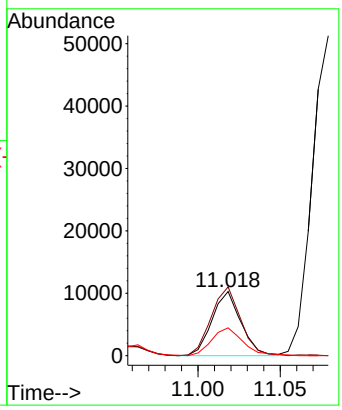
Tgt Ion: 75 Resp: 1259

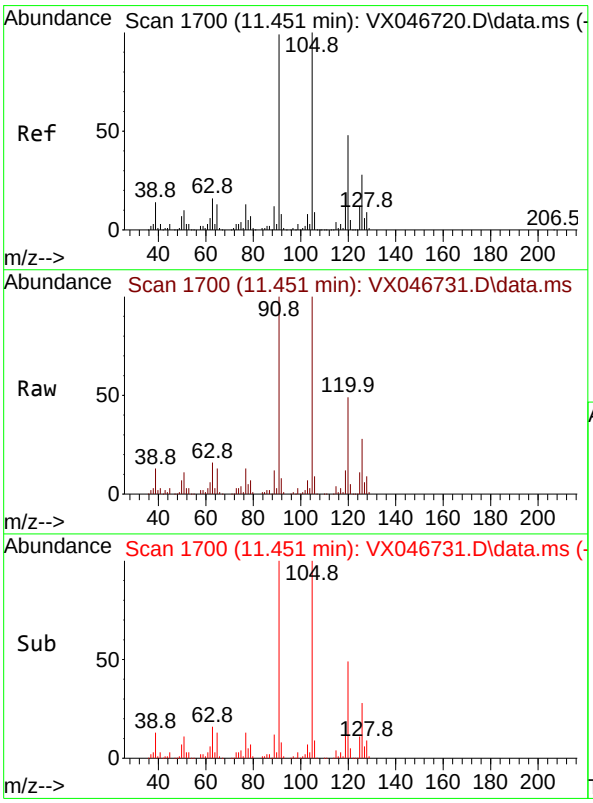
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.9 | 86.8 | 130.2 |
| 89 | 46.7 | 36.9 | 55.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

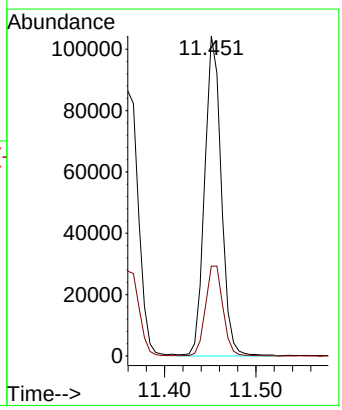


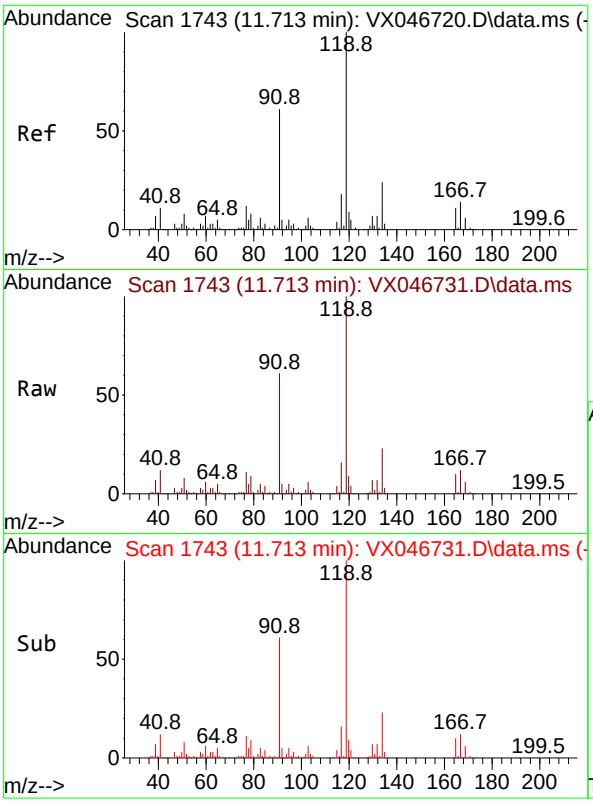




#82
4-Chlorotoluene
Concen: 17.712 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 131603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.6 | 14.4 | 43.2 |

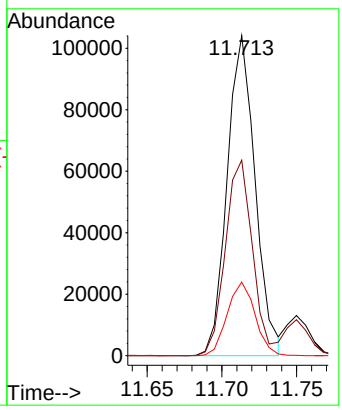





#83
tert-Butylbenzene
Concen: 17.787 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:119 Resp: 13564

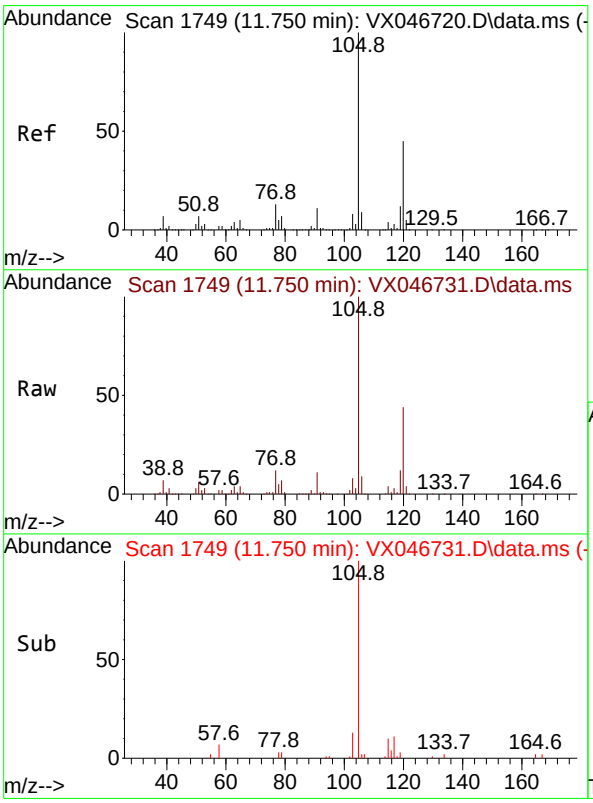
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 29.5 | 88.6 |
| 134 | 22.9 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

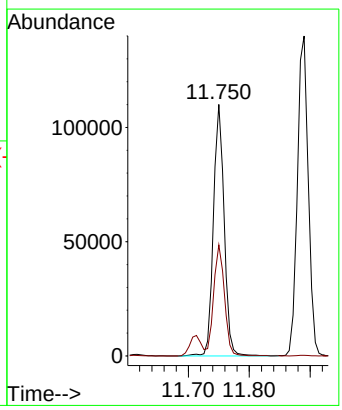
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

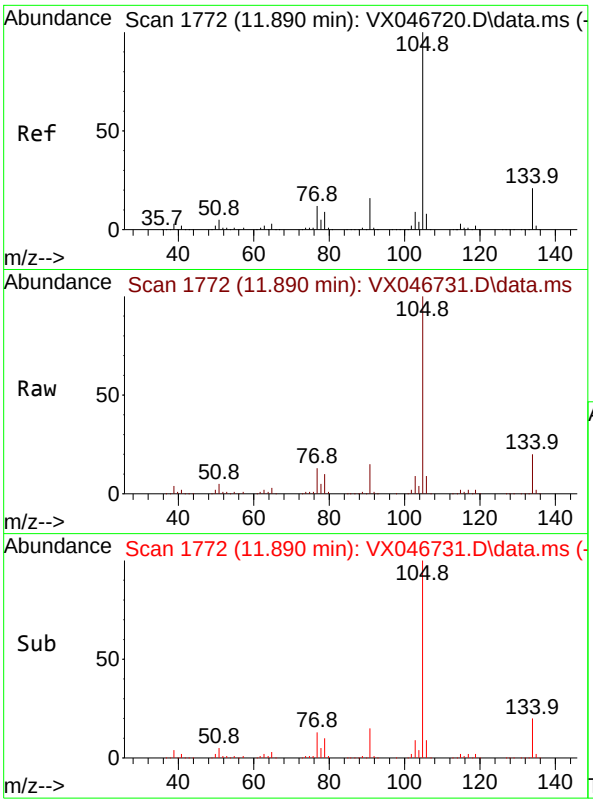



#84
1,2,4-Trimethylbenzene
Concen: 18.178 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:105 Resp: 134740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.3 |

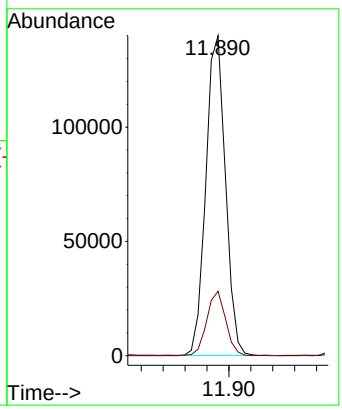





#85
sec-Butylbenzene
Concen: 18.021 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:105 Resp: 17368

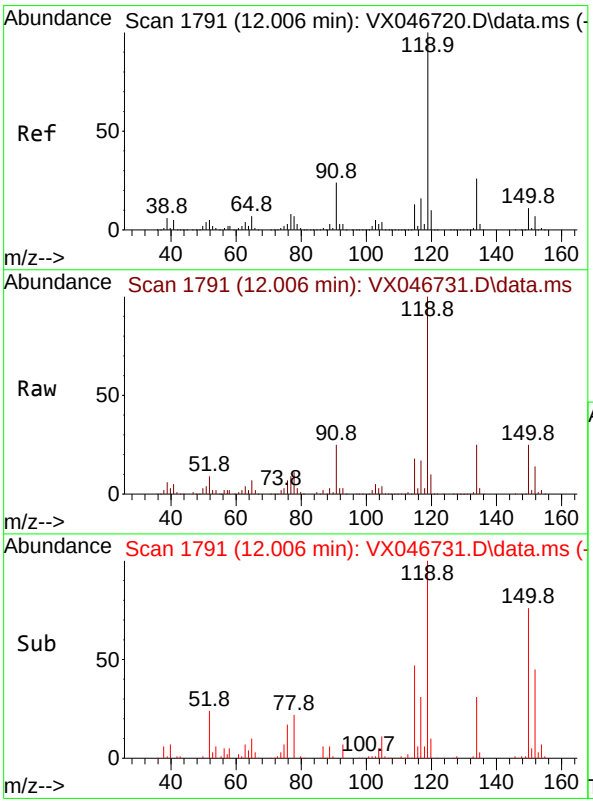
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

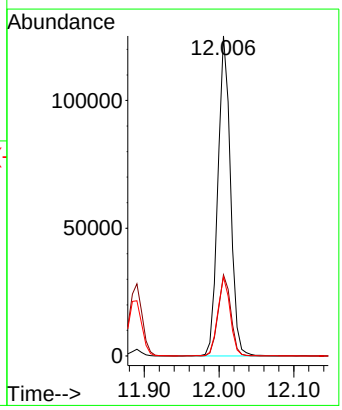
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

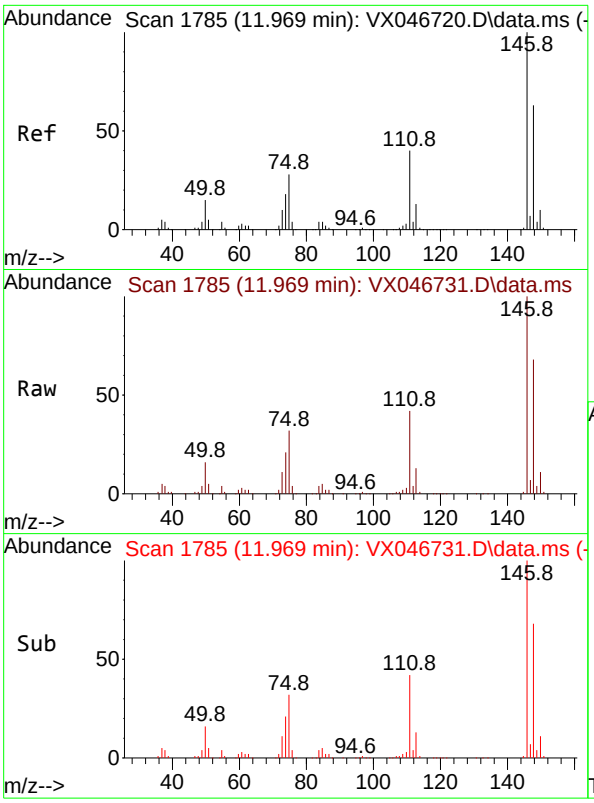



#86
p-Isopropyltoluene
Concen: 17.983 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:119 Resp: 146235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.9 | 38.7 |
| 91 | 24.5 | 12.3 | 36.9 |

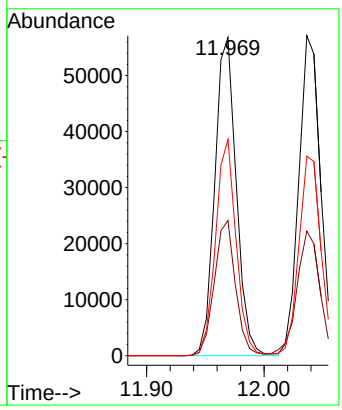





#87
1,3-Dichlorobenzene
Concen: 17.169 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:146 Resp: 7232

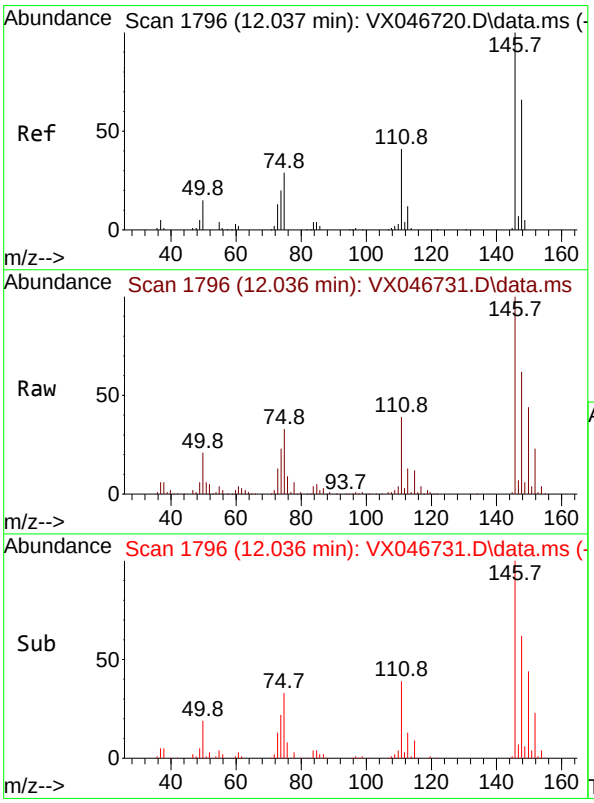
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.6 | 61.8 |
| 148 | 65.1 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

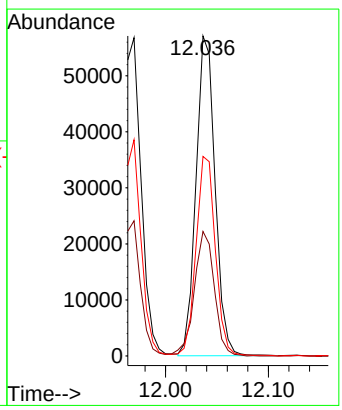
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

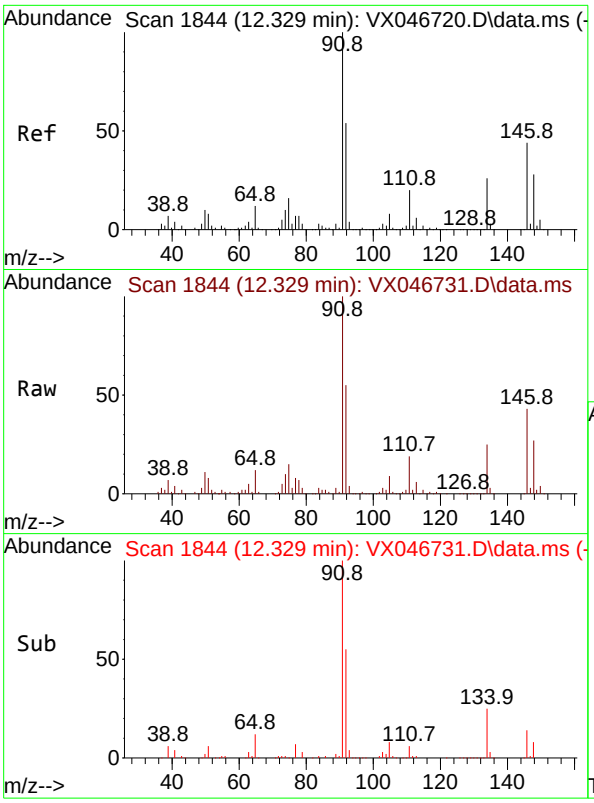



#88
1,4-Dichlorobenzene
Concen: 17.054 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:146 Resp: 73790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 61.0 |
| 148 | 63.6 | 32.1 | 96.5 |

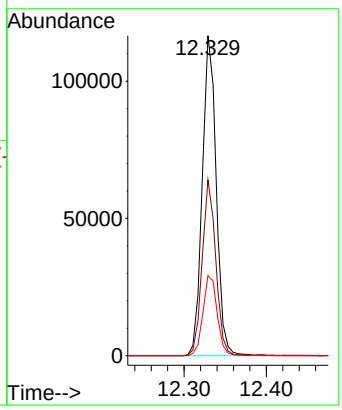





#89
n-Butylbenzene
Concen: 17.787 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 13733

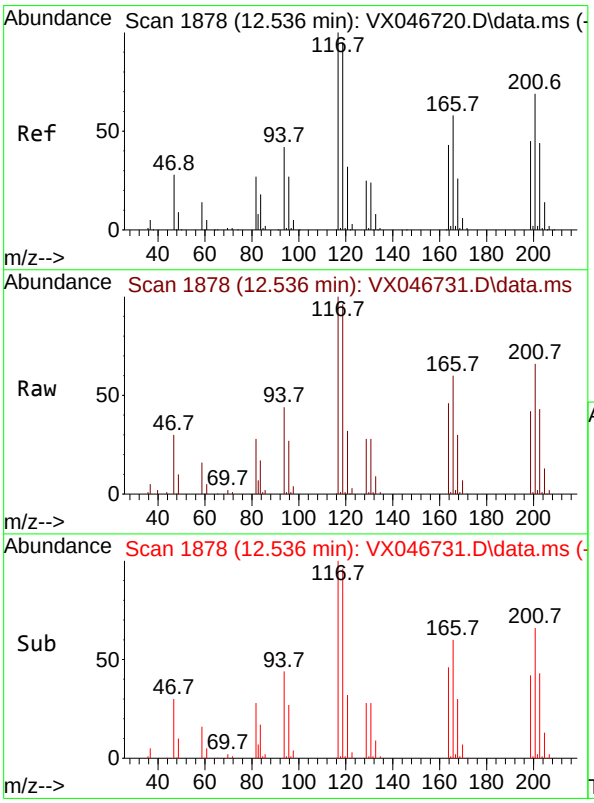
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

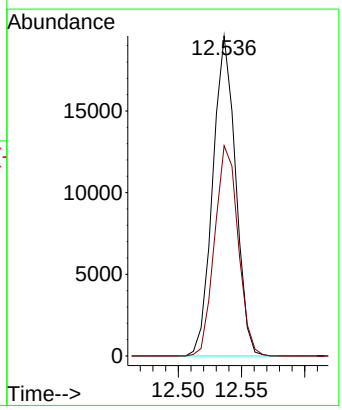
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

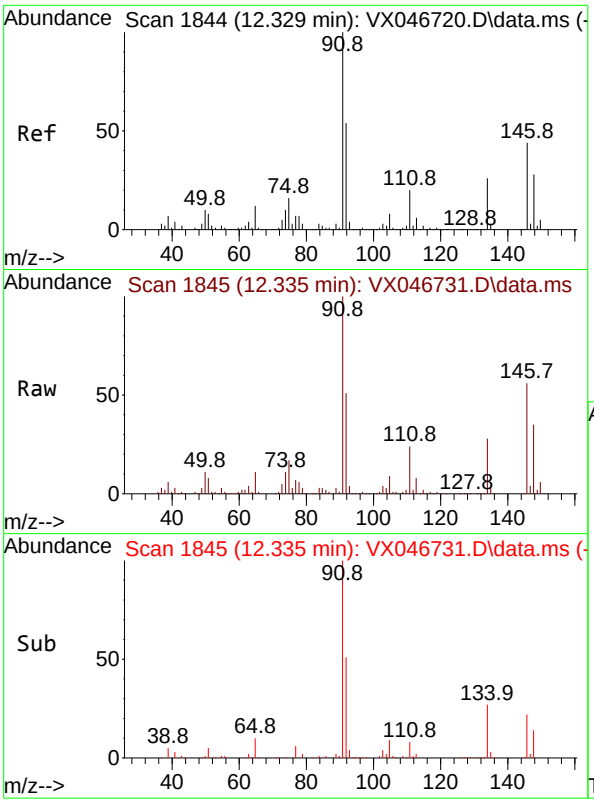



#90
Hexachloroethane
Concen: 17.233 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:117 Resp: 24540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.5 | 34.4 | 103.3 |

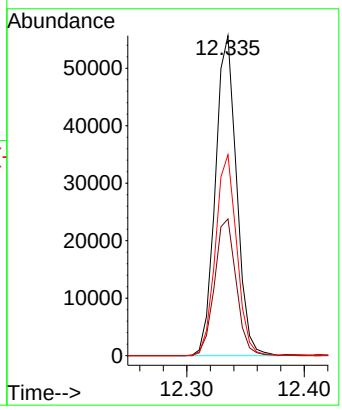





#91
1,2-Dichlorobenzene
Concen: 17.798 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:146 Resp: 7006

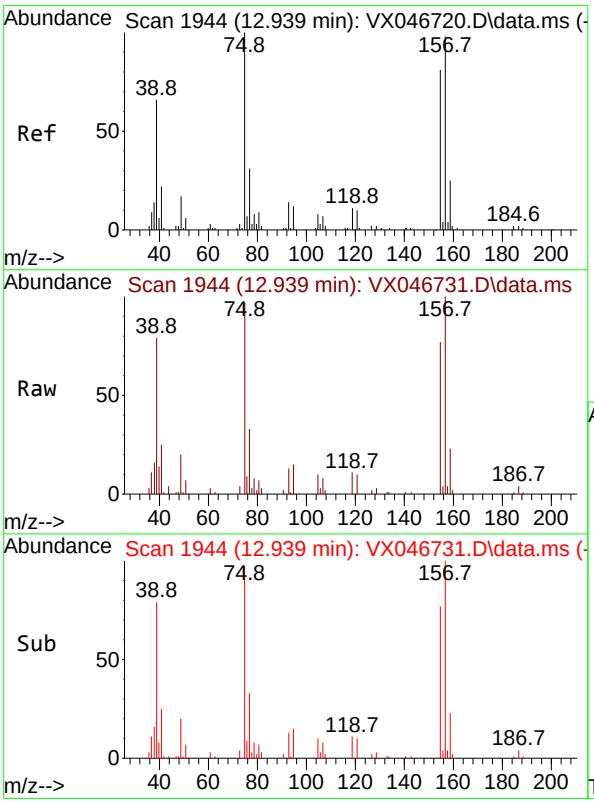
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.7 | 65.1 |
| 148 | 63.0 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

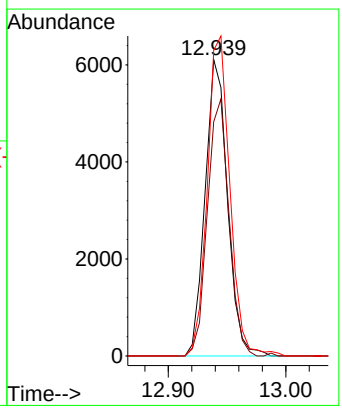
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

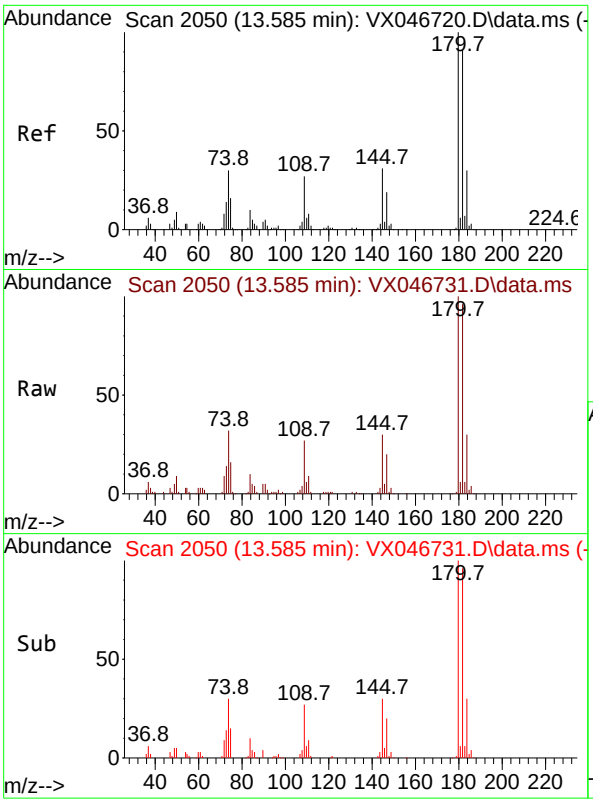



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.324 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 8079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.0 | 41.9 | 125.7 |
| 157 | 108.8 | 51.4 | 154.3 |

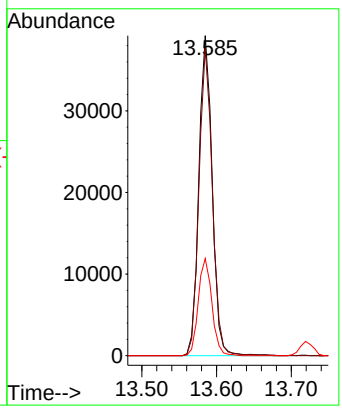





#93
1,2,4-Trichlorobenzene
Concen: 17.388 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:180 Resp: 4866

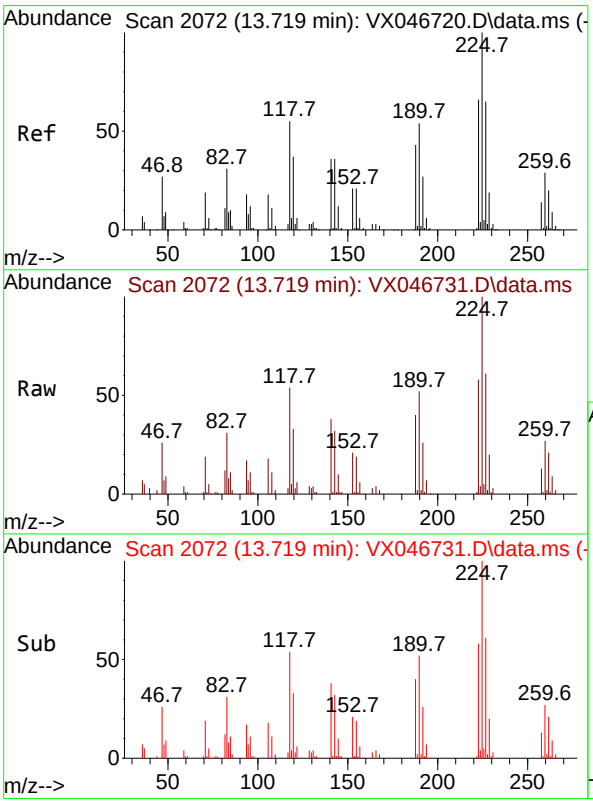
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.7 | 140.1 |
| 145 | 30.8 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

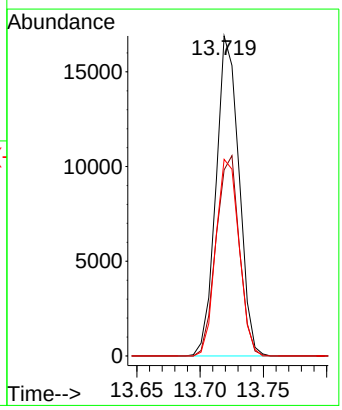
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

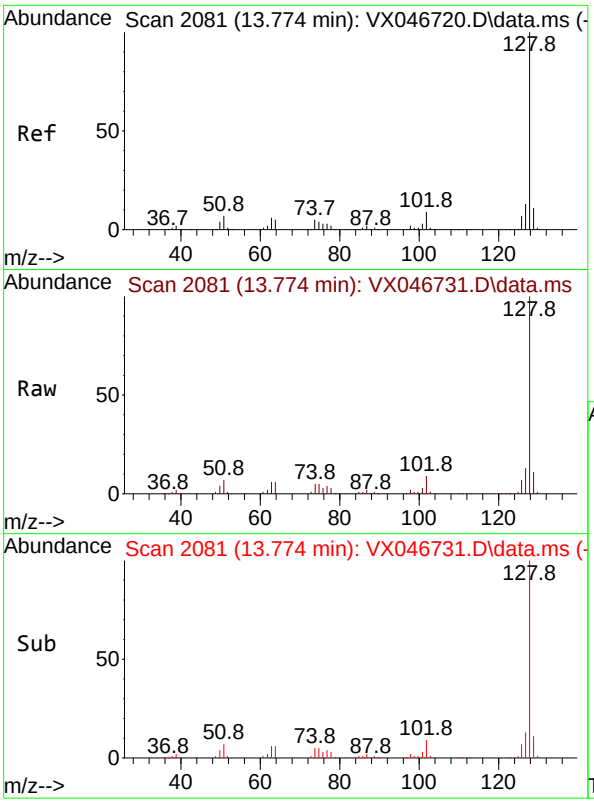



#94
Hexachlorobutadiene
Concen: 18.044 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:225 Resp: 21242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 32.5 | 97.5 |
| 227 | 62.3 | 32.2 | 96.6 |

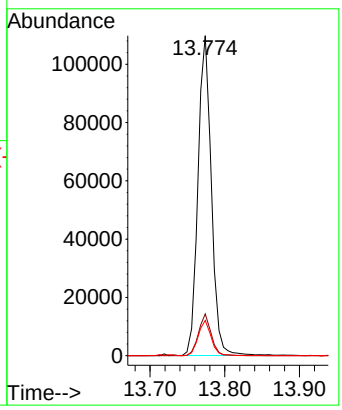





#95
Naphthalene
Concen: 17.080 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:128 Resp: 13618

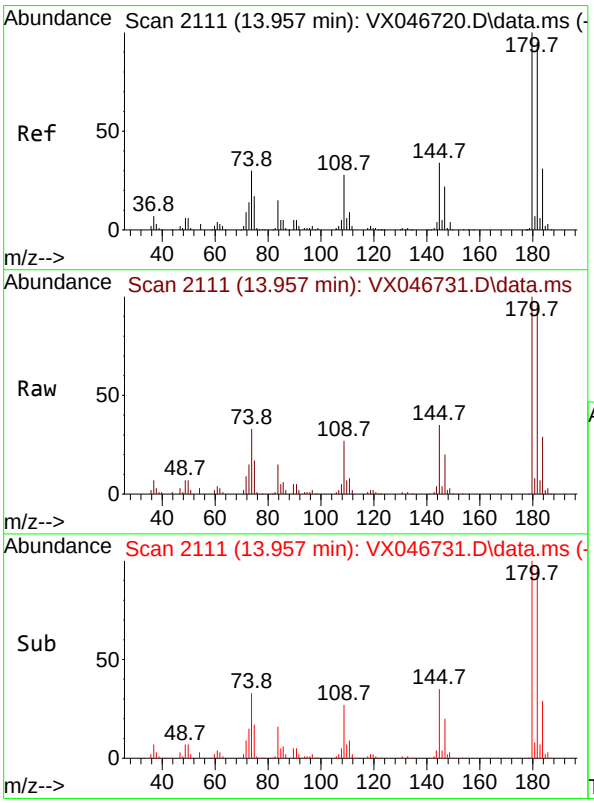
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations**
**APPROVED**

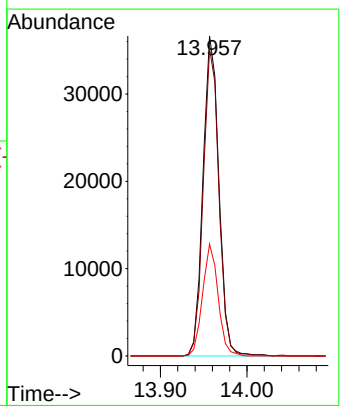
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.428 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:180 Resp: 46661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 47.8 | 143.4 |
| 145 | 34.2 | 17.3 | 51.9 |



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: | VX0619WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046762.D | 1 | | 06/19/25 11:24 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.1 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 18.7 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.9 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 21.2 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.9 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 18.4 | | 0.33 | 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 | 18.6 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 74.1 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.0 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 17.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 16.0 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.1 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.3 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 18.5 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 18.8 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 78.9 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 18.6 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 20.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 17.7 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.9 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.5 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.4 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.9 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 81.6 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.0 | | 0.14 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0619WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046762.D | 1 | | 06/19/25 11:24 | VX061925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.0 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.2 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 18.5 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 78.9 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.4 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 18.0 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 17.7 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.0 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.0 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 37.2 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 18.6 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 18.3 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 16.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 18.1 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.3 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 17.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 18.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 15.1 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 17.1 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.6 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.8 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.0 | | 80 - 119 | | 104% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.3 | | 89 - 112 | | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.1 | | 85 - 114 | | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 138000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 227000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 207000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 105000 | 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: | |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | |
| Client Sample ID: | VX0619WBS01 | SDG No.: | Q2345 |
| Lab Sample ID: | VX0619WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046762.D | 1 | | 06/19/25 11:24 | VX061925 |

| 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\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 137936 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 227140 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 207463 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104652 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 94946 | 49.765 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.520% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 78196 | 52.032 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.060% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 282602 | 52.340 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 104.680% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 108869 | 54.092 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 108.180% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 28069 | 19.060 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 29736 | 18.707 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 32033 | 18.898 | ug/l | 93 |
| 5) Bromomethane | 1.630 | 94 | 20191 | 21.172 | ug/l | 93 |
| 6) Chloroethane | 1.709 | 64 | 20468 | 19.923 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.910 | 101 | 47476 | 18.446 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 16252 | 18.400 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 29254 | 18.528 | ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 29614 | 18.018 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 10810 | 63.126 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 28292 | 18.570 | ug/l | 97 |
| 13) Acrolein | 2.251 | 56 | 18186 | 72.910 | ug/l | 98 |
| 14) Allyl chloride | 2.684 | 41 | 49324 | 17.868 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 62463 | 81.119 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 47143 | 74.096 | ug/l | 96 |
| 17) Carbon Disulfide | 2.532 | 76 | 78405 | 17.041 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 25862 | 16.004 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 80635 | 16.997 | ug/l | 98 |
| 20) Methylene Chloride | 2.806 | 84 | 32048 | 18.113 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 29757 | 18.253 | ug/l | 99 |
| 22) Diisopropyl ether | 3.769 | 45 | 100392 | 18.921 | ug/l | 94 |
| 23) Vinyl Acetate | 3.733 | 43 | 365712 | 86.676 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 55663 | 18.477 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 70964m | 78.864 | ug/l | |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 39442 | 17.951 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 35547 | 18.560 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 28430 | 20.816 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 44591 | 76.721 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 57187 | 18.982 | ug/l | 93 |
| 31) Cyclohexane | 5.483 | 56 | 53811 | 18.836 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 46675 | 17.665 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 40684 | 18.754 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 31829 | 15.895 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 42451 | 18.031 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 52931 | 18.541 | ug/l | 99 |
| 40) Benzene | 6.050 | 78 | 121111 | 18.864 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 17227 | 16.137 ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 41780 | 18.518 ug/l | | 100 |
| 43) Isopropyl Acetate | 6.348 | 43 | 51032 | 16.286 ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 30093 | 18.392 ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 29323 | 18.429 ug/l | | 95 |
| 46) Dibromomethane | 7.592 | 93 | 20791 | 18.181 ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 44034 | 18.870 ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 25618 | 16.301 ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 6374 | 299.149 ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 152568 | 81.636 ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 75814 | 19.048 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 38942 | 17.985 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 44663 | 18.171 ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 27505 | 18.544 ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 37095 | 16.942 ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 47213 | 18.484 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 101869 | 89.565 ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 101986 | 78.935 ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 32154 | 18.395 ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 27221 | 18.042 ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 25376 | 17.655 ug/l | | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 82392 | 17.991 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 27463 | 17.843 ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 144047 | 18.002 ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 111044 | 37.244 ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 51894 | 18.572 ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 89289 | 18.260 ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 19576 | 16.701 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 139510 | 18.100 ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 46412 | 15.893 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 37312 | 17.337 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 29393m | 15.335 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 33896 | 18.275 ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 168589 | 18.415 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 99687 | 18.238 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 115409 | 18.221 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 10102 | 14.897 ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 116713 | 18.296 ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 118027 | 18.027 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 116817 | 18.357 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 153043 | 18.496 ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 127841 | 18.312 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 64330 | 17.788 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 64856 | 17.460 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 118756 | 17.915 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 20652 | 16.893 ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 61156 | 18.096 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 6425 | 15.122 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 41109 | 17.110 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 17833 | 17.644 ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 110507 | 16.144 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 40546 | 17.639 ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

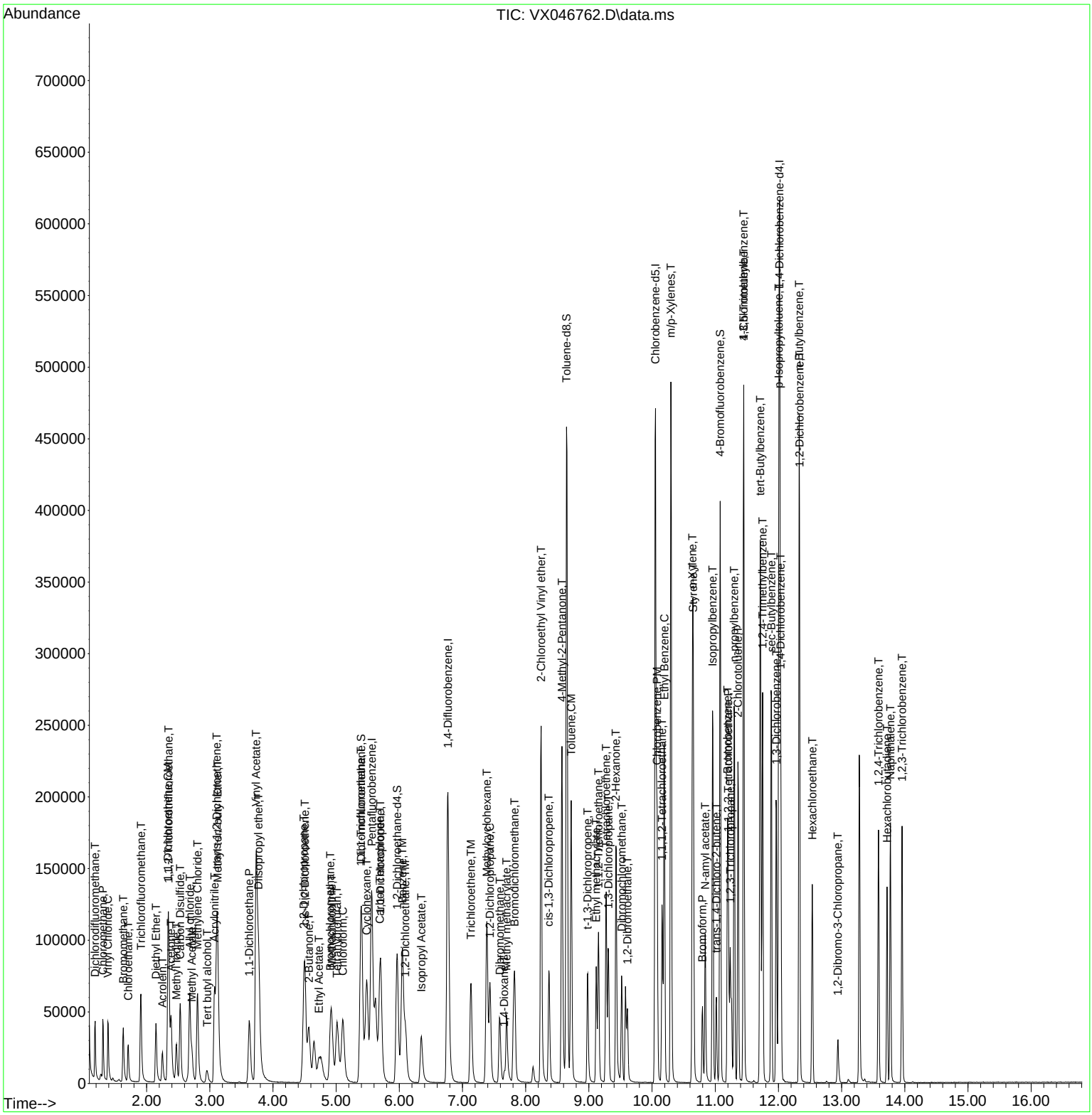
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

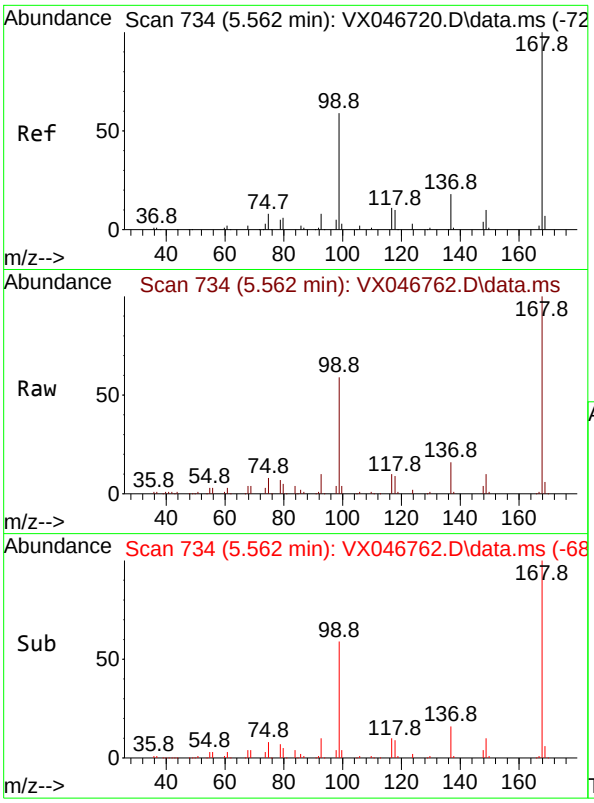
Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

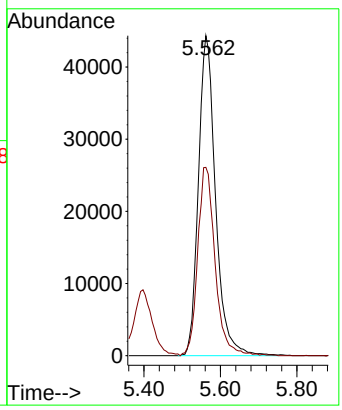





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:168 Resp: 13793

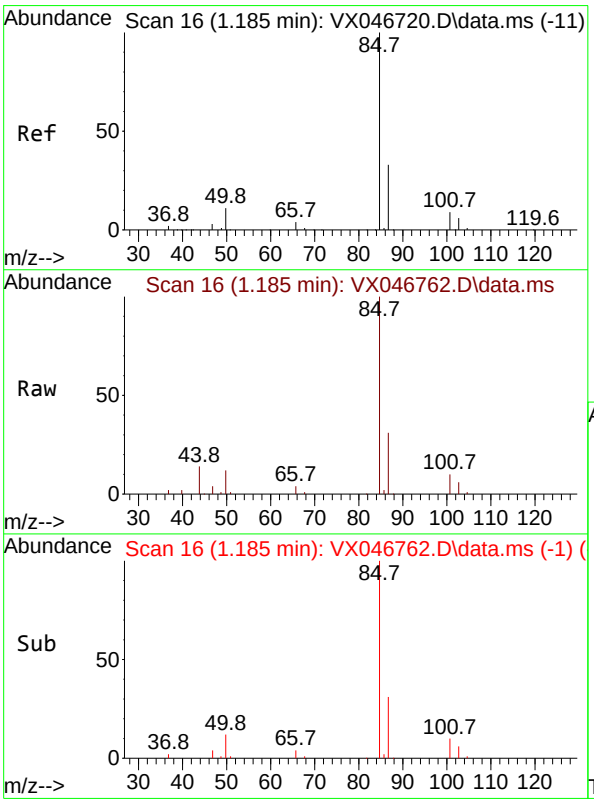
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.9 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

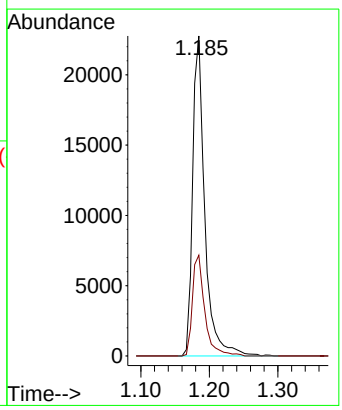
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

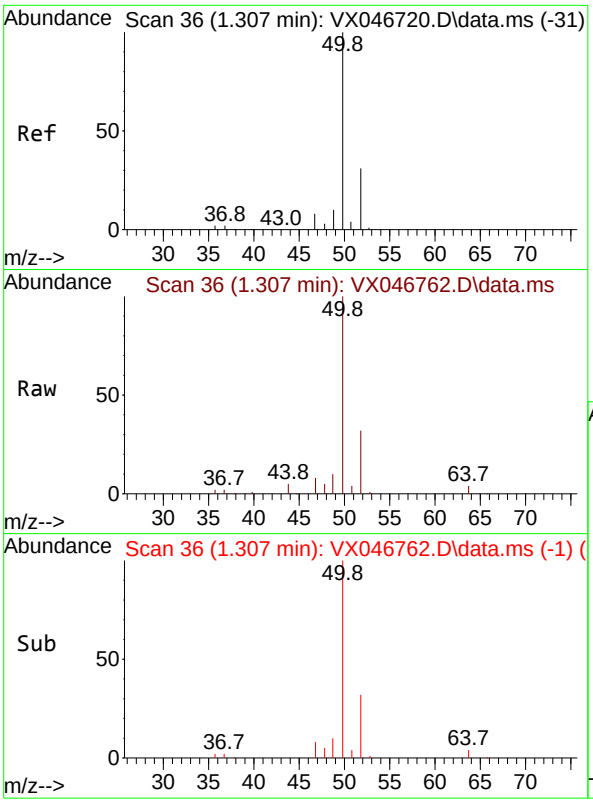



#2
Dichlorodifluoromethane
Concen: 19.060 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 85 Resp: 28069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 16.6 | 49.8 |

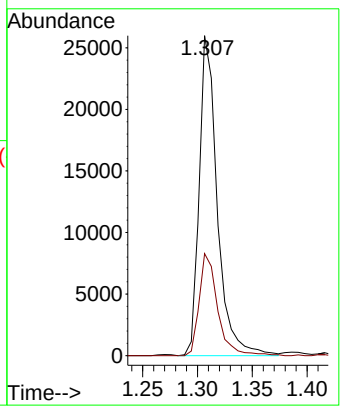





#3
Chloromethane
Concen: 18.707 ug/l
RT: 1.307 min Scan# 3(
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 50 Resp: 2973(

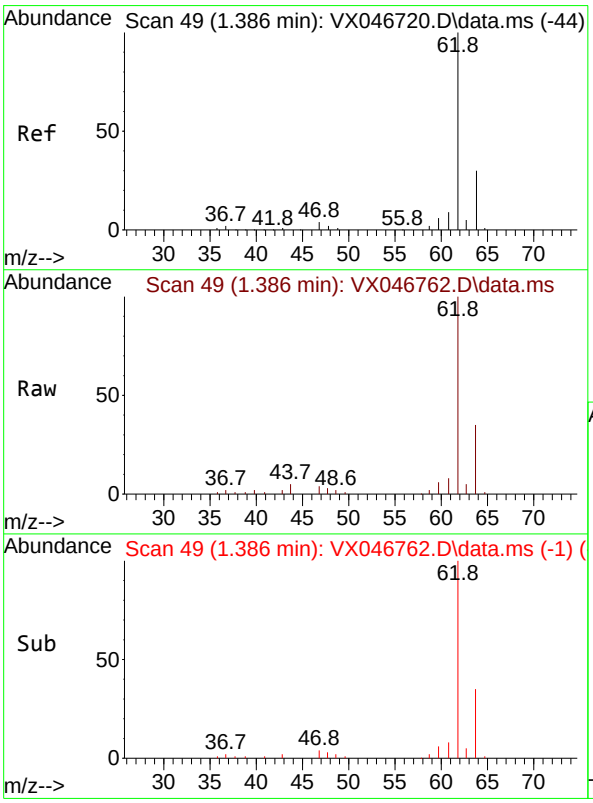
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

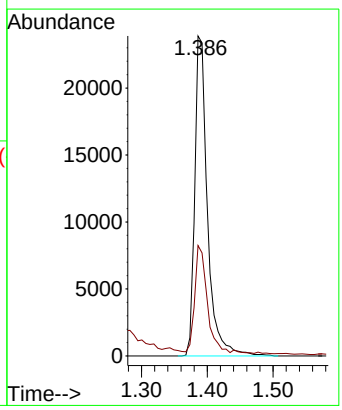
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

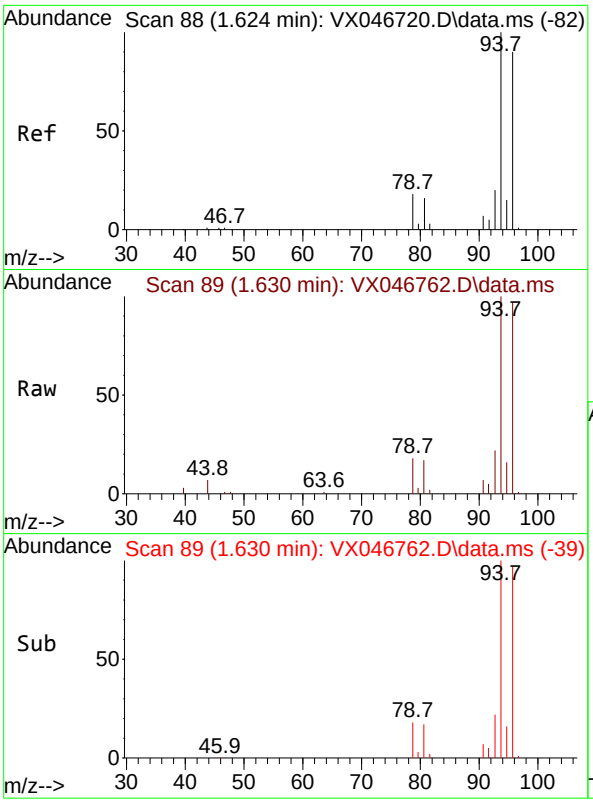



#4
Vinyl Chloride
Concen: 18.898 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 62 Resp: 32033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.8 | 23.9 | 35.9 |

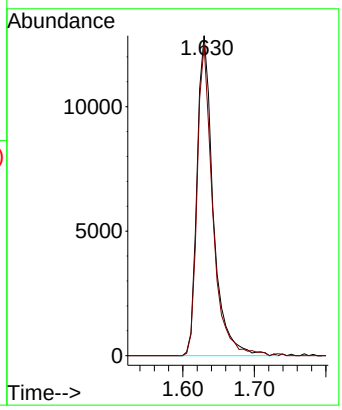





#5
Bromomethane
Concen: 21.172 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 94 Resp: 2019

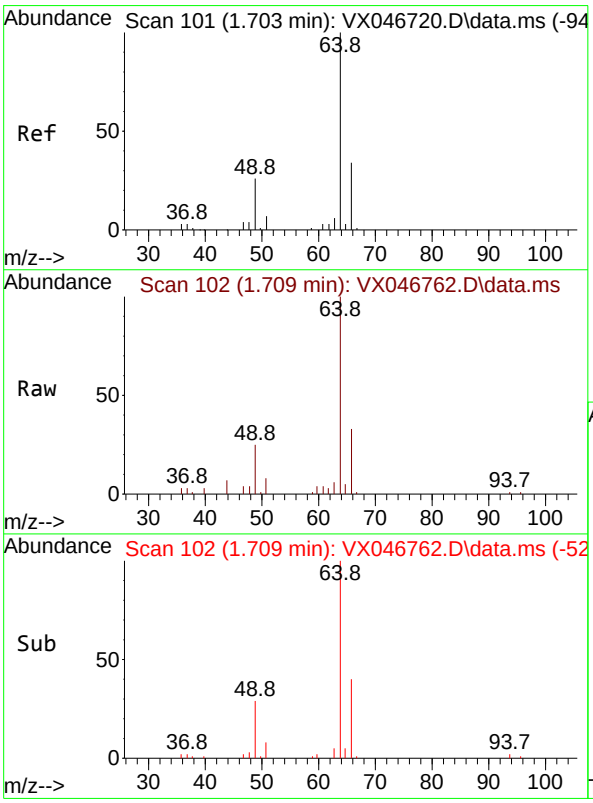
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.2 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

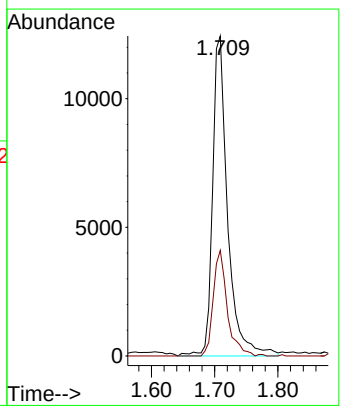
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

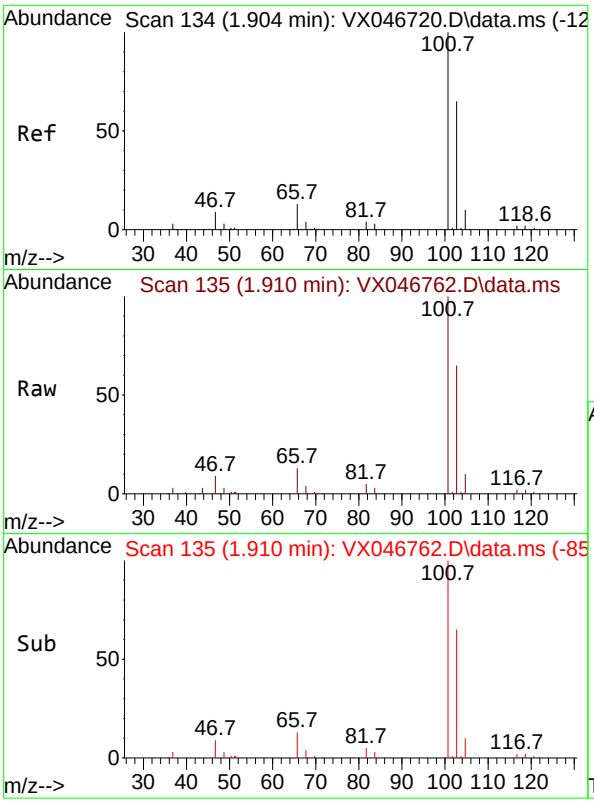



#6
Chloroethane
Concen: 19.923 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 64 Resp: 20468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.0 | 27.1 | 40.7 |

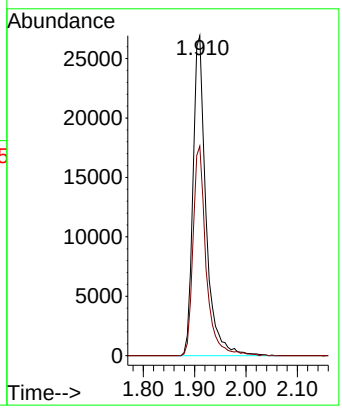





#7
Trichlorofluoromethane
Concen: 18.446 ug/l
RT: 1.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:101 Resp: 4747

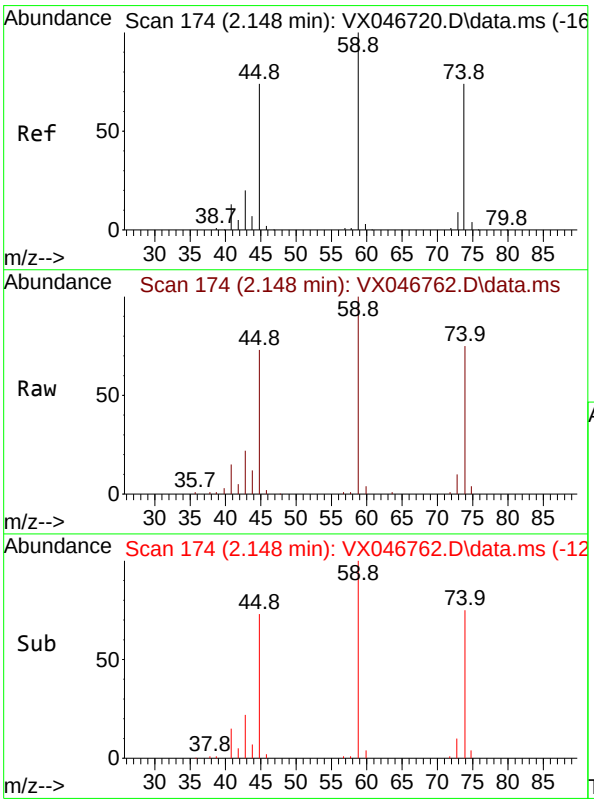
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

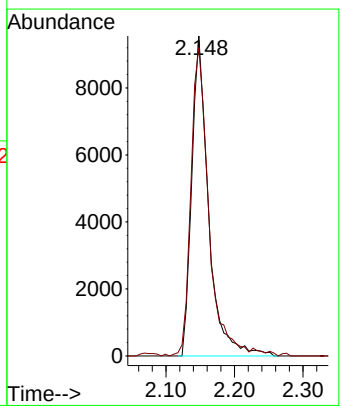
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

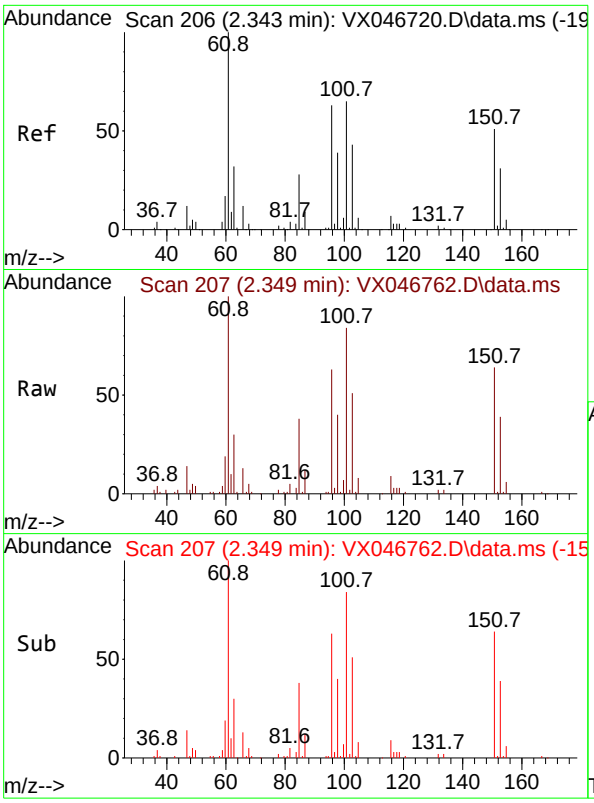



#8
Diethyl Ether
Concen: 18.400 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 74 Resp: 16252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.0 | 52.3 | 157.1 |

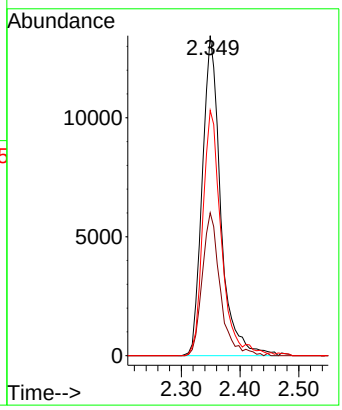





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.528 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:101 Resp: 2925

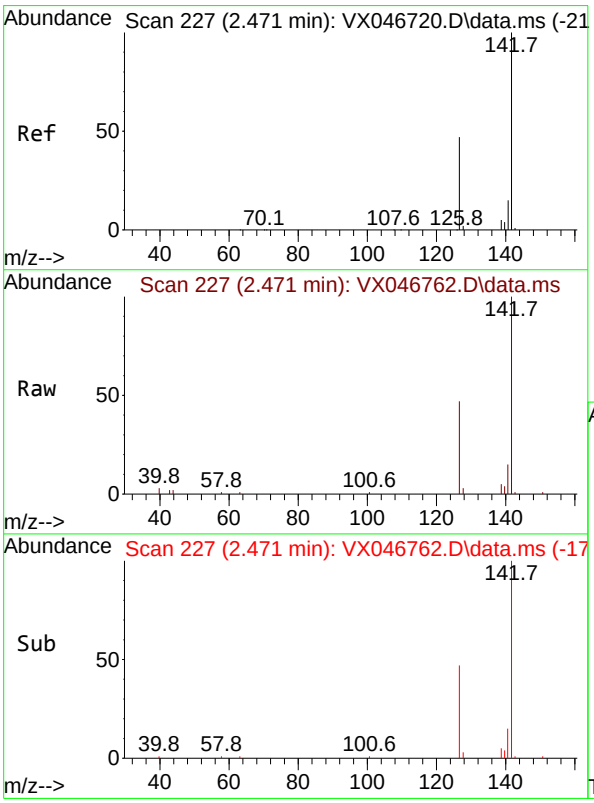
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 76.9 | 61.2 | 91.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

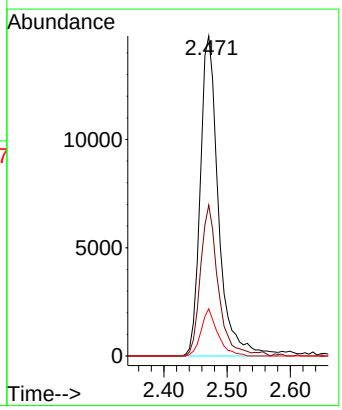
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

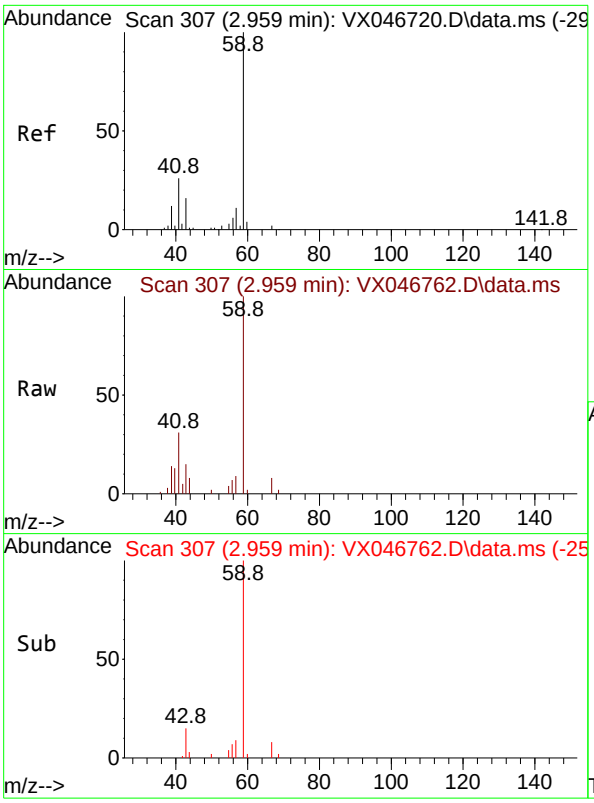



#10
Methyl Iodide
Concen: 18.018 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:142 Resp: 29614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.8 | 37.0 | 55.6 |
| 141 | 13.4 | 11.5 | 17.3 |

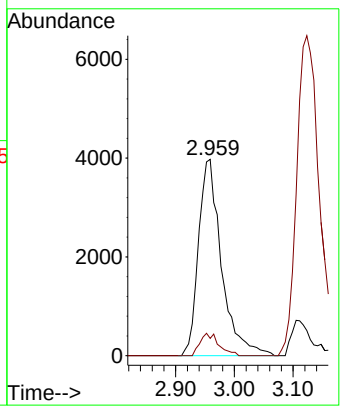





#11
Tert butyl alcohol
Concen: 63.126 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 59 Resp: 1081

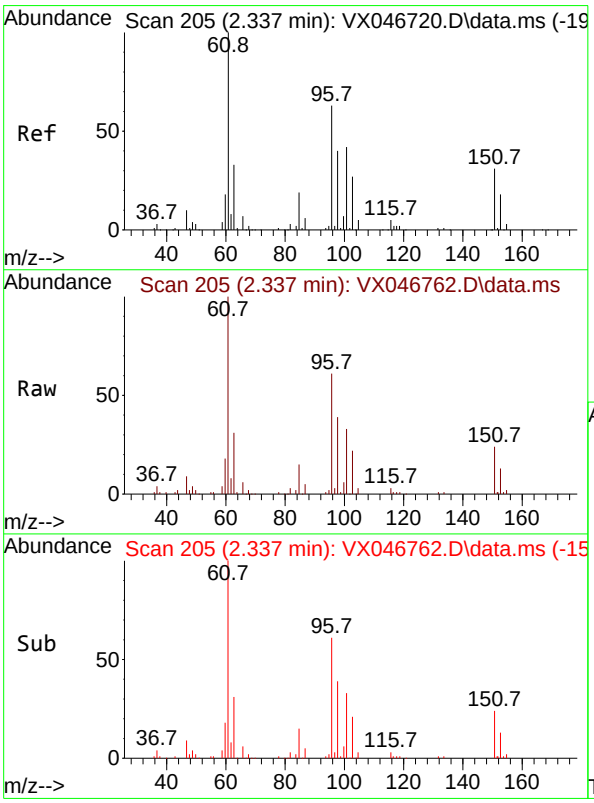
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.3 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

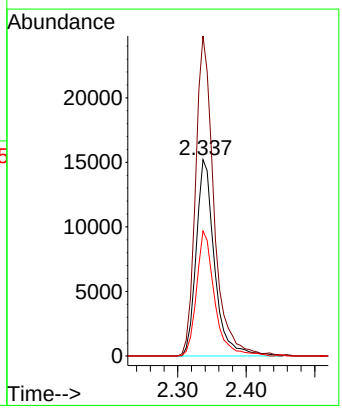
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

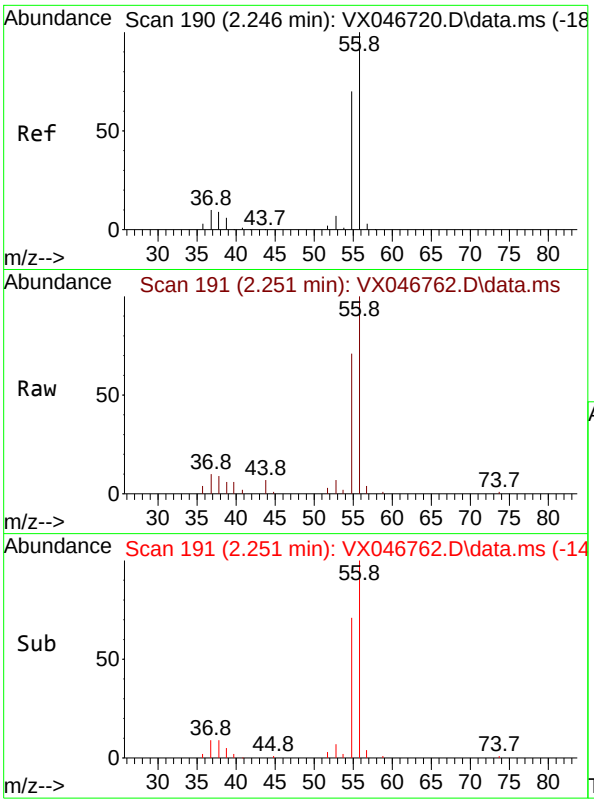



#12
1,1-Dichloroethene
Concen: 18.570 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 96 Resp: 28292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 126.6 | 189.8 |
| 98 | 63.7 | 50.7 | 76.1 |

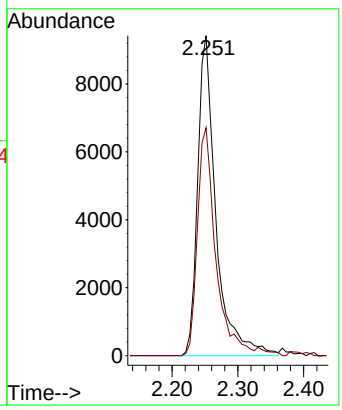





#13
Acrolein
Concen: 72.910 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 56 Resp: 1818

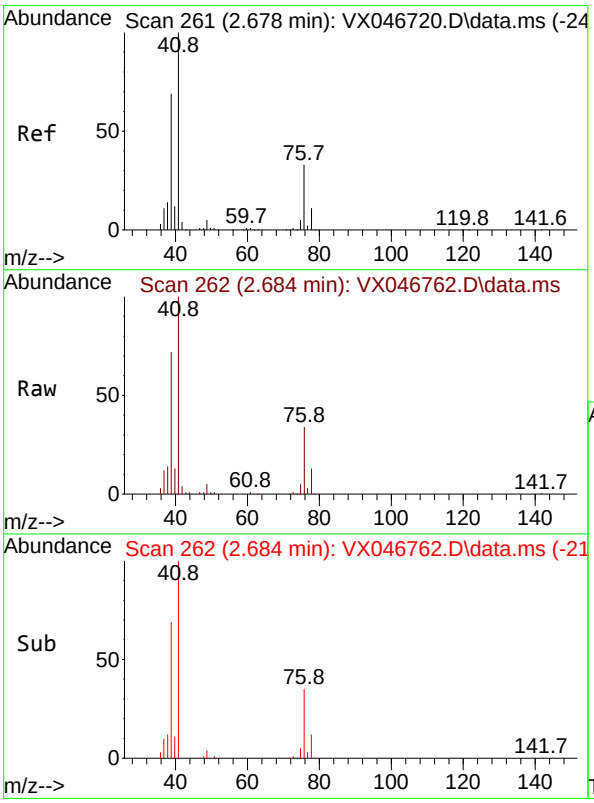
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

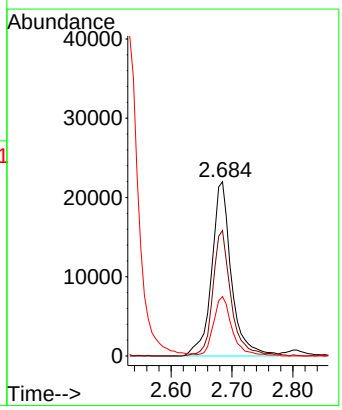
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

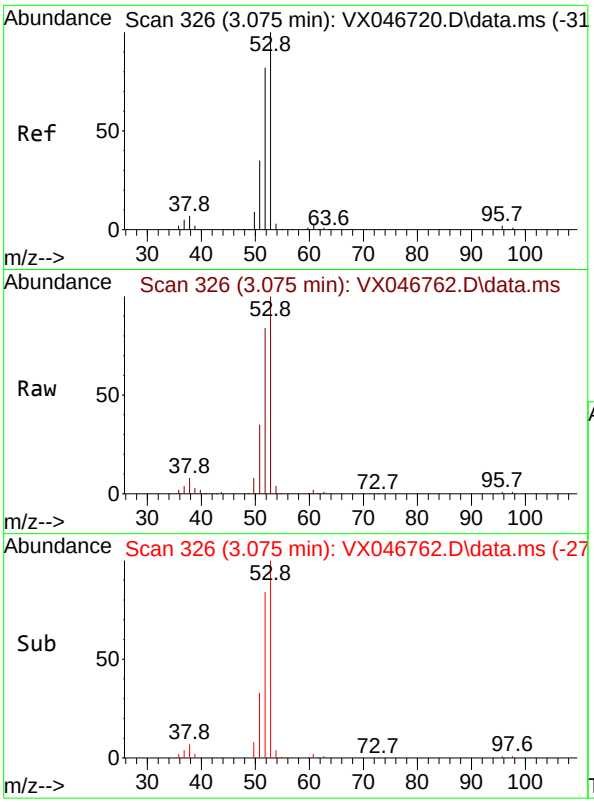



#14
Allyl chloride
Concen: 17.868 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 41 Resp: 49324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 53.6 | 80.4 |
| 76 | 32.3 | 26.8 | 40.2 |






#15
Acrylonitrile
Concen: 81.119 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

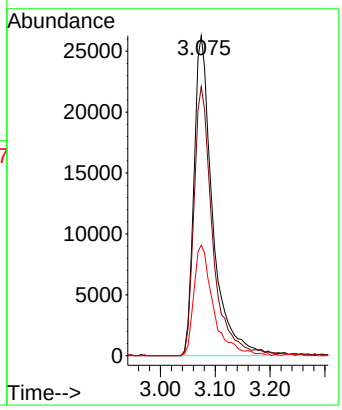
Tgt Ion: 53 Resp: 6246

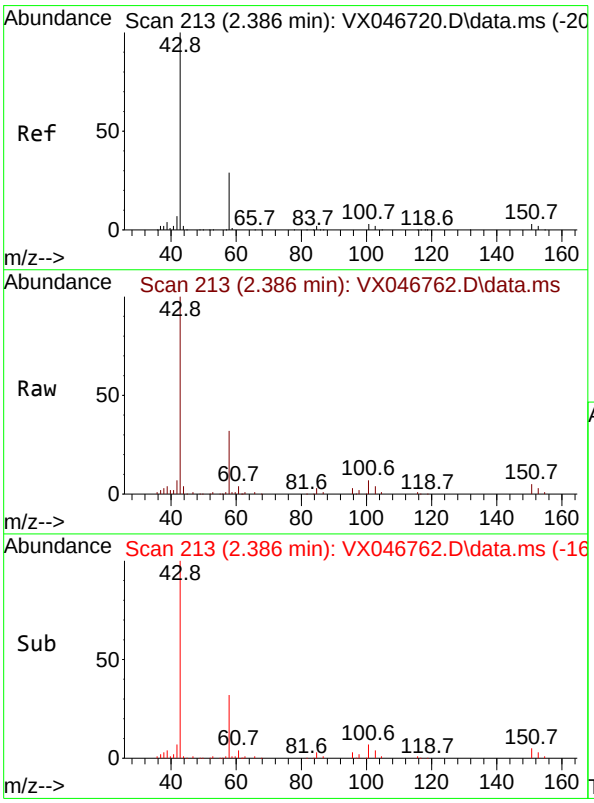
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.7 | 65.1 | 97.7 |
| 51 | 36.4 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

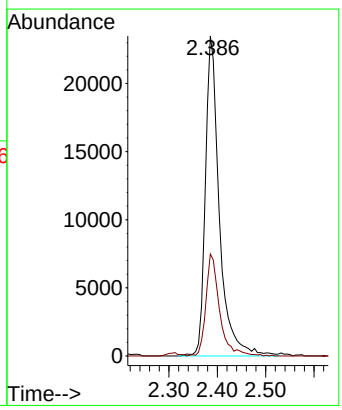


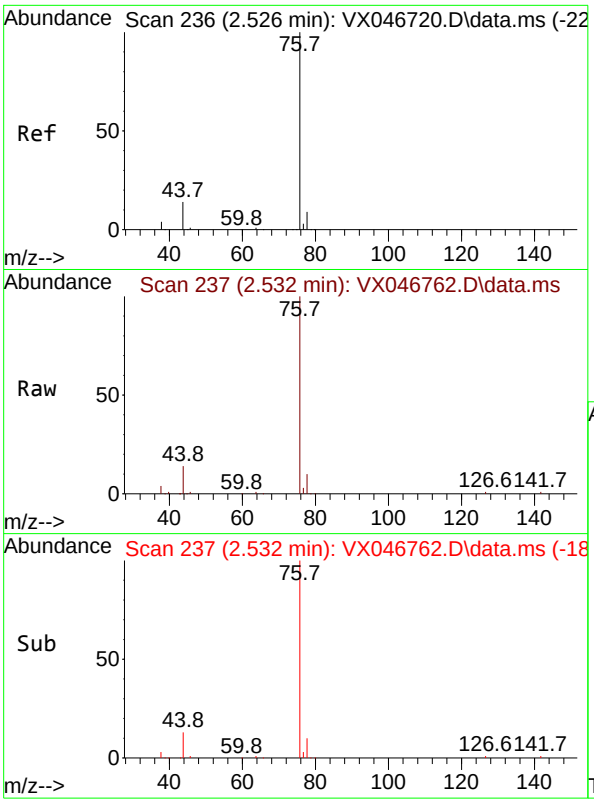




#16
Acetone
Concen: 74.096 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 47143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 24.5 | 36.7 |

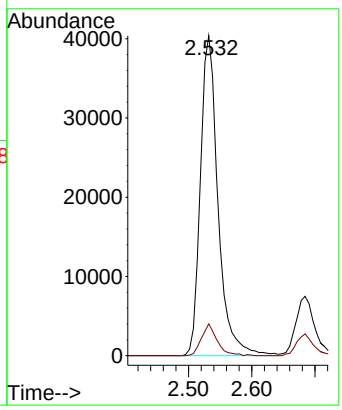





#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 76 Resp: 7840

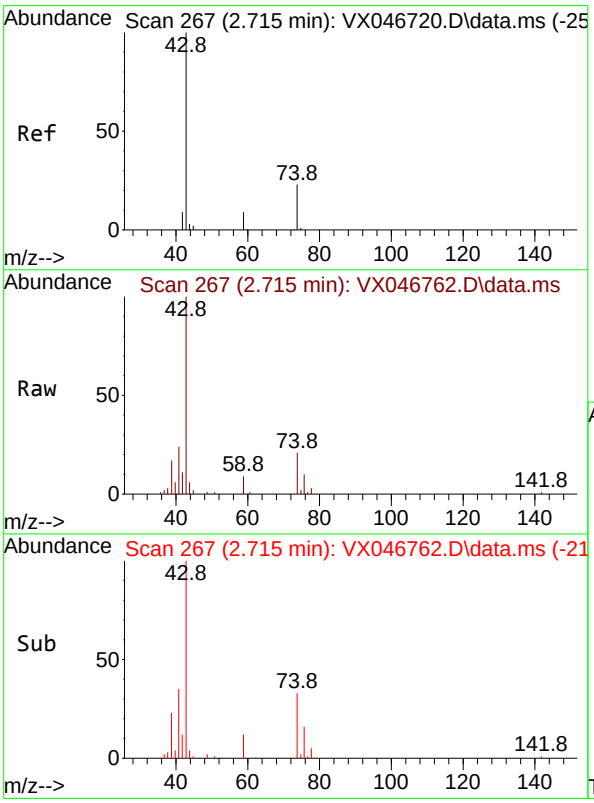
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.2 | 7.5 | 11.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

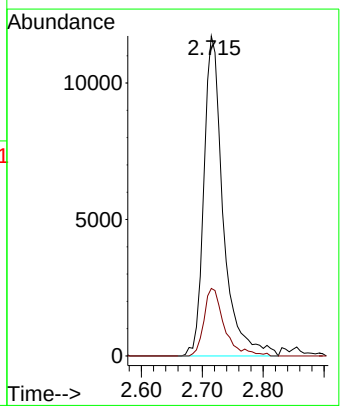
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

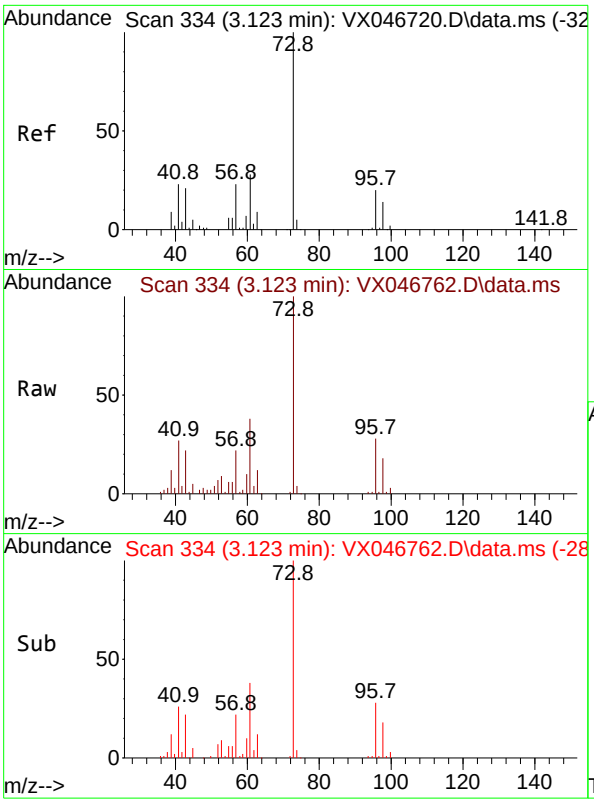



#18
Methyl Acetate
Concen: 16.004 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 25862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 18.4 | 27.6 |

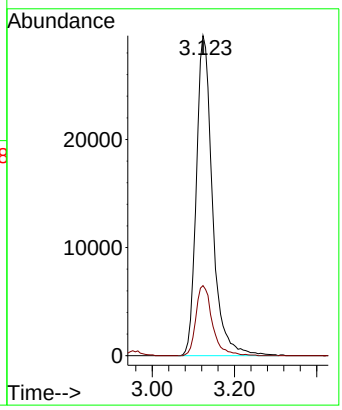





#19
Methyl tert-butyl Ether
Concen: 16.997 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 73 Resp: 8063

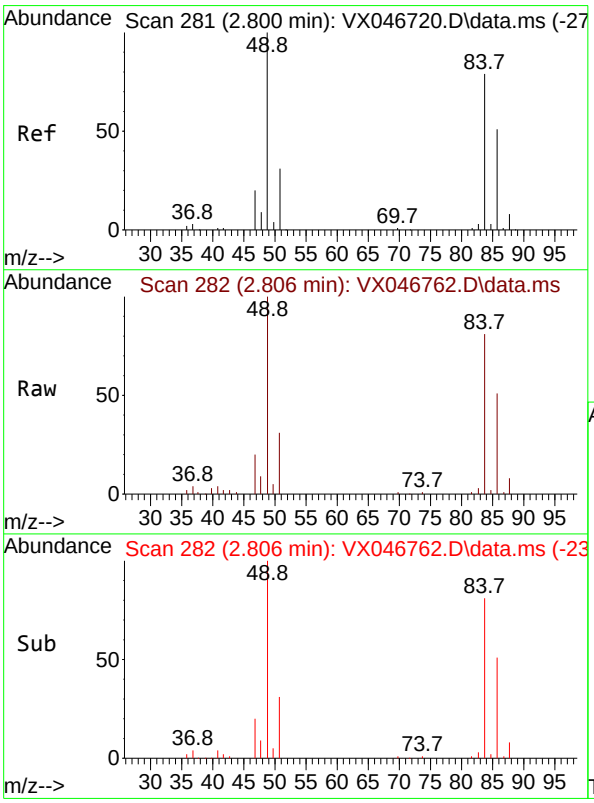
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

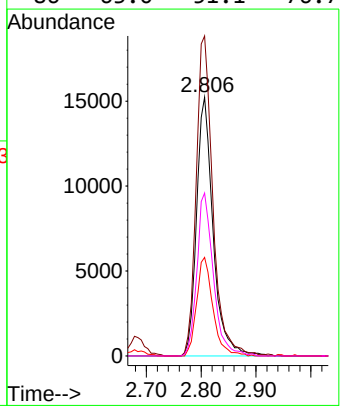
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

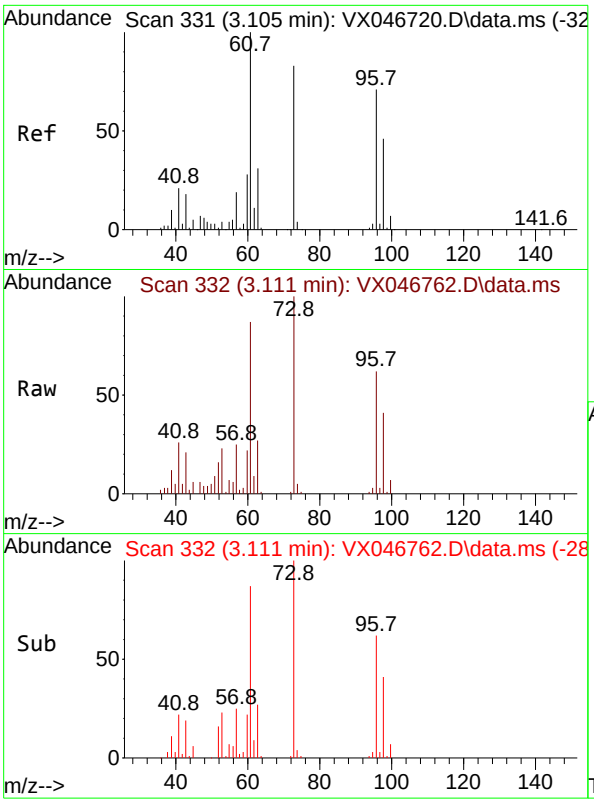



#20
Methylene Chloride
Concen: 18.113 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 84 Resp: 32048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.7 | 101.3 | 151.9 |
| 51 | 38.1 | 31.0 | 46.6 |
| 86 | 63.0 | 51.1 | 76.7 |

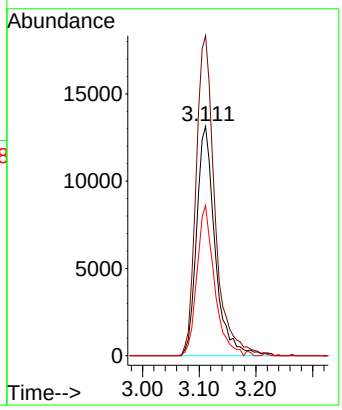





#21
trans-1,2-Dichloroethene
Concen: 18.253 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 96 Resp: 2975

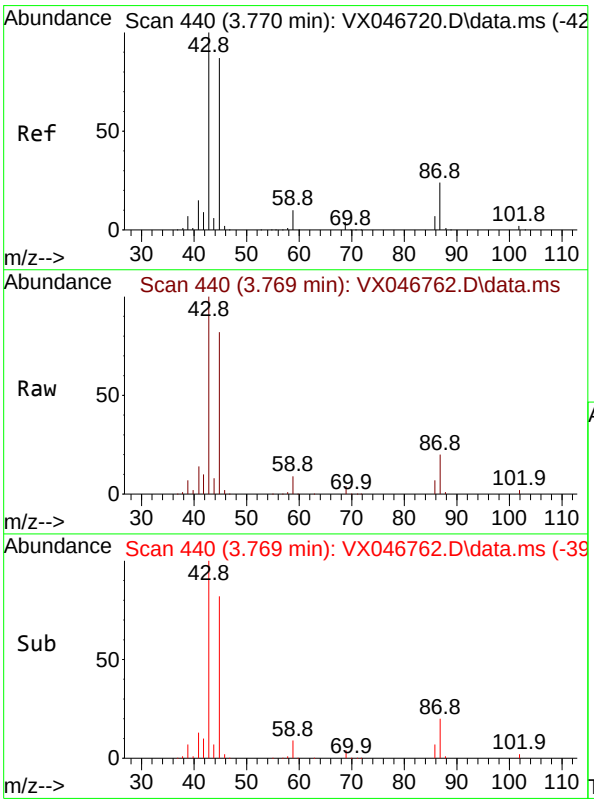
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.5 | 112.5 | 168.7 |
| 98 | 65.5 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

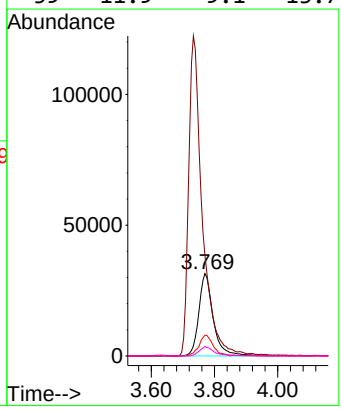
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

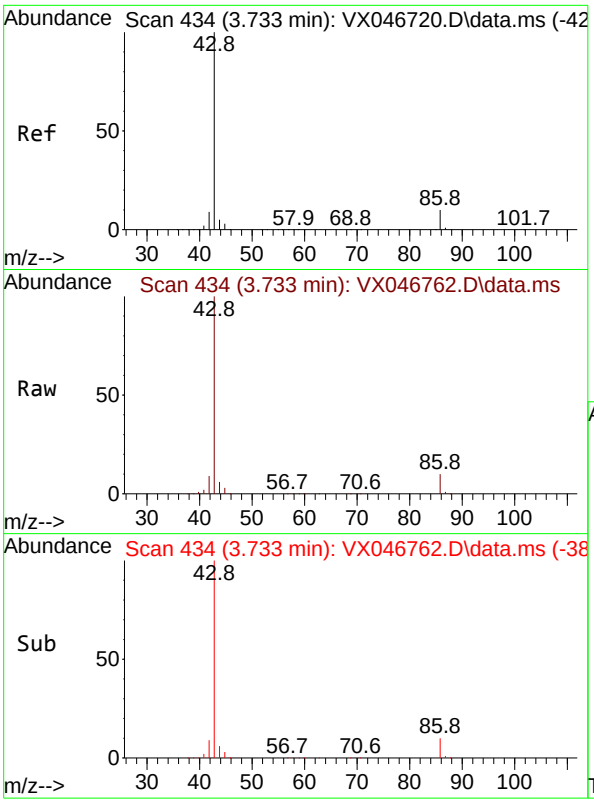



#22
Diisopropyl ether
Concen: 18.921 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 45 Resp: 100392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 121.9 | 91.9 | 137.9 |
| 87 | 25.0 | 22.0 | 33.0 |
| 59 | 11.9 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 86.676 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

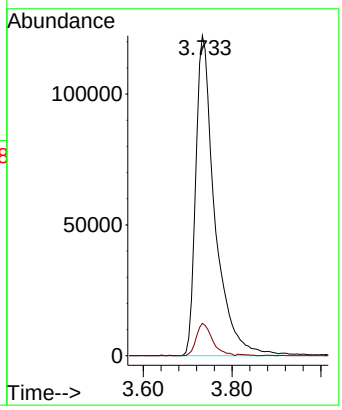
Tgt Ion: 43 Resp: 36571

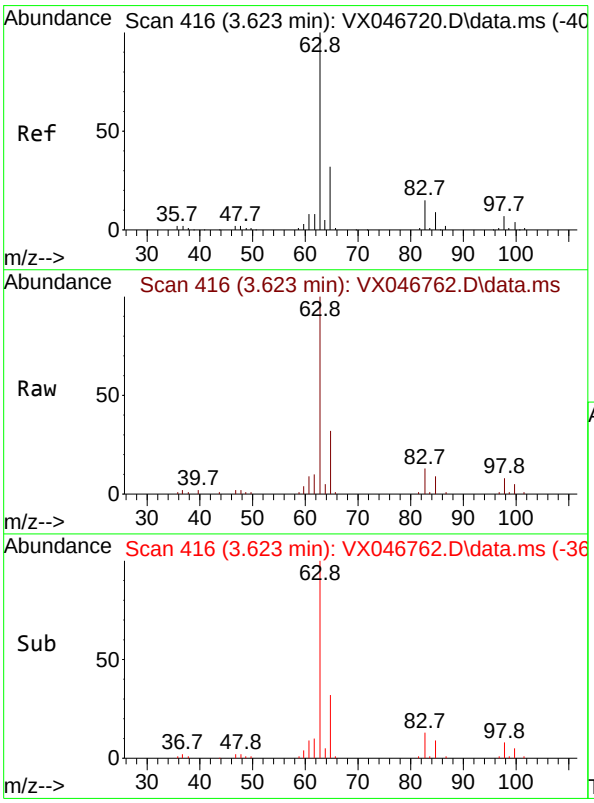
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

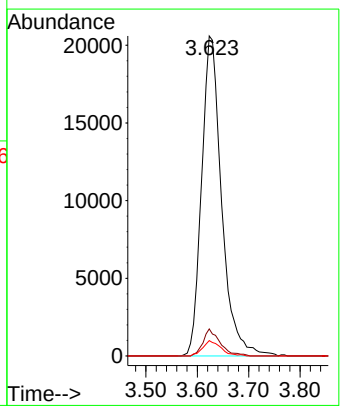


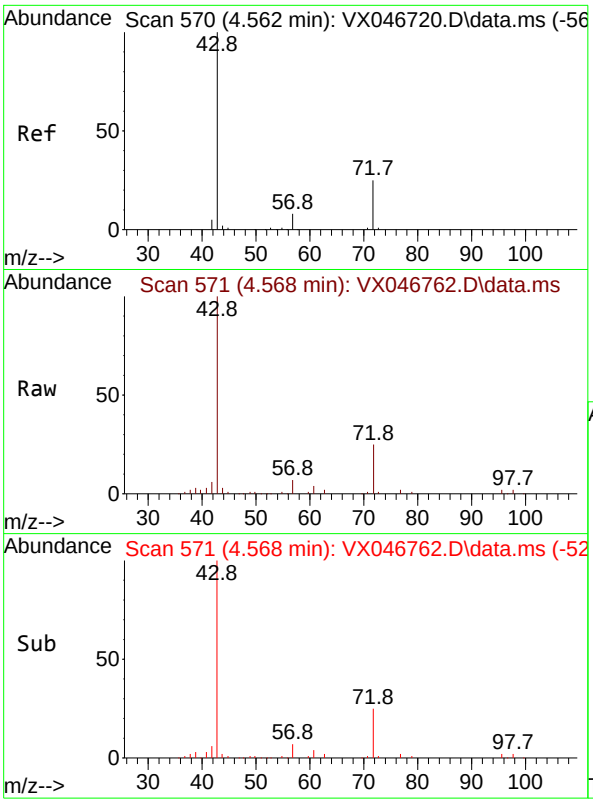




#24
1,1-Dichloroethane
Concen: 18.477 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 63 Resp: 55663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.5 | 4.0 | 11.9 |
| 100 | 4.8 | 2.2 | 6.6 |

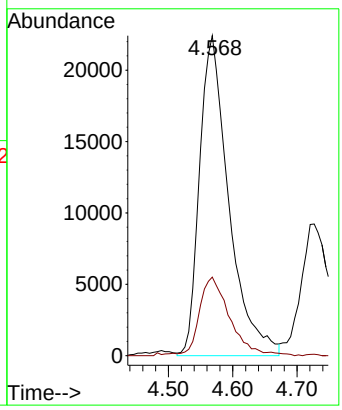





#25
2-Butanone
Concen: 78.864 ug/l m
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 7096

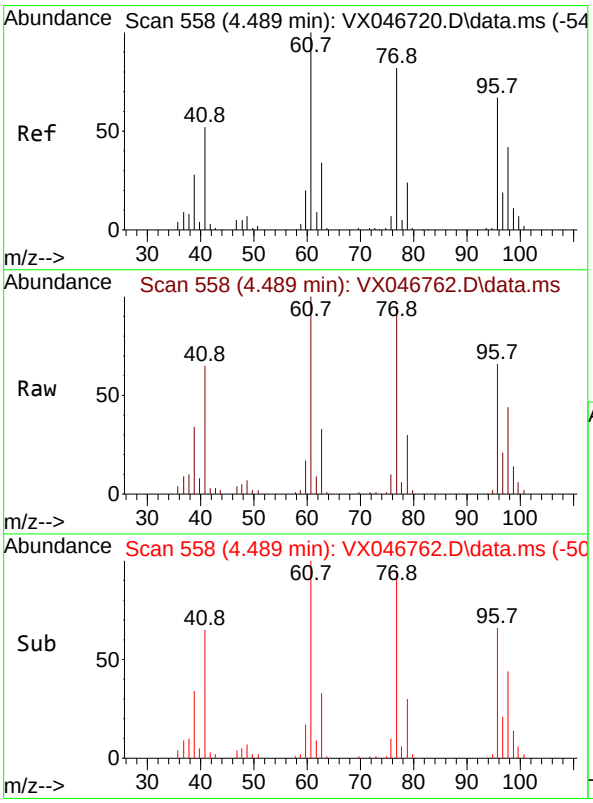
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

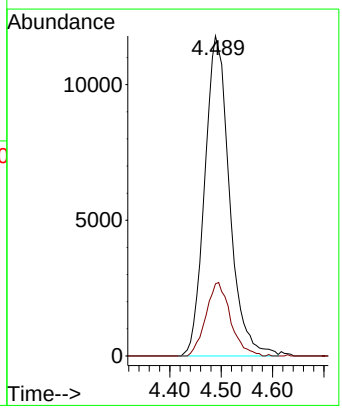
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

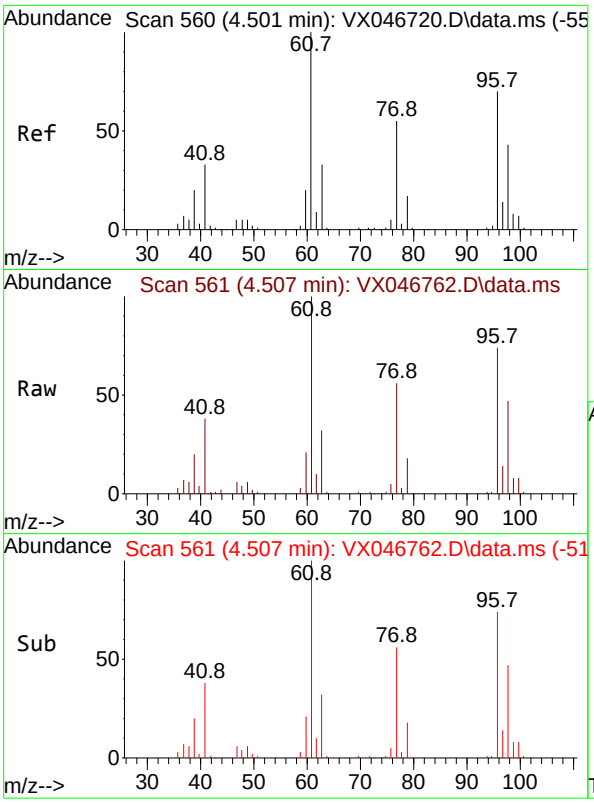



#26
2,2-Dichloropropane
Concen: 17.951 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 77 Resp: 39442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |

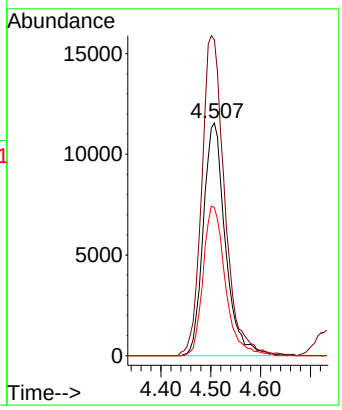





#27
cis-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 96 Resp: 3554

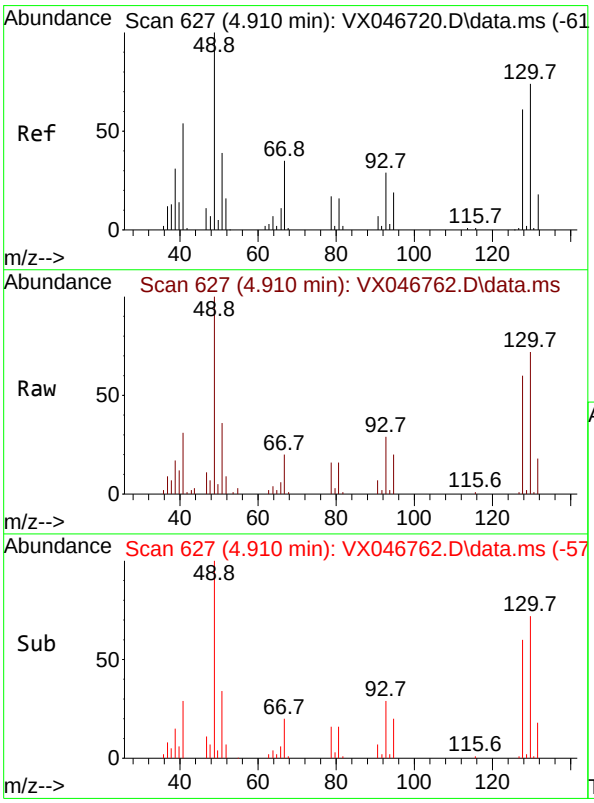
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.4 | 0.0 | 291.0 |
| 98 | 64.5 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

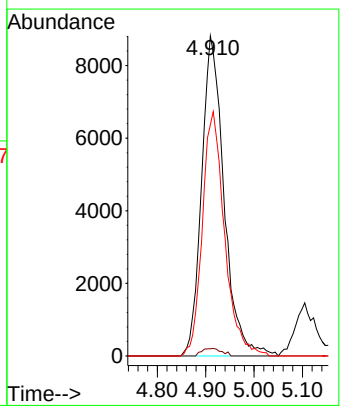
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

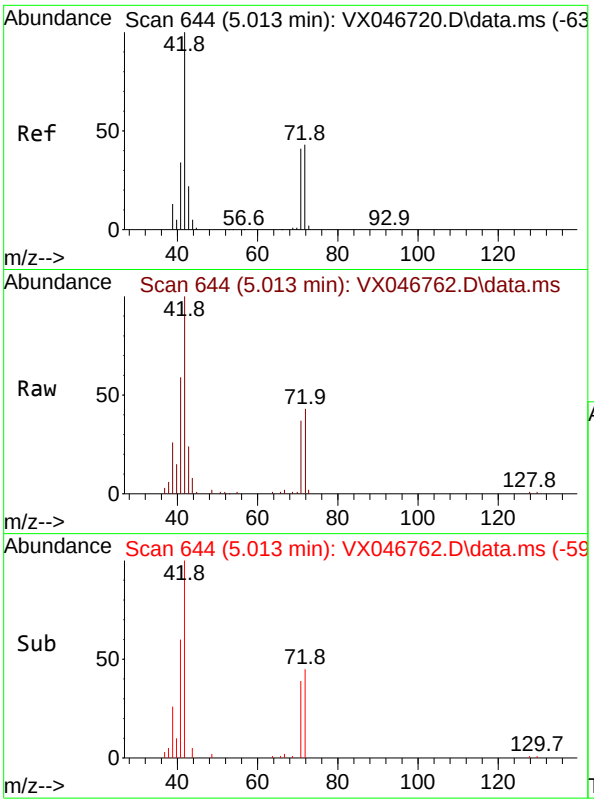



#28
Bromochloromethane
Concen: 20.816 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 49 Resp: 28430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 75.5 | 61.4 | 92.0 |

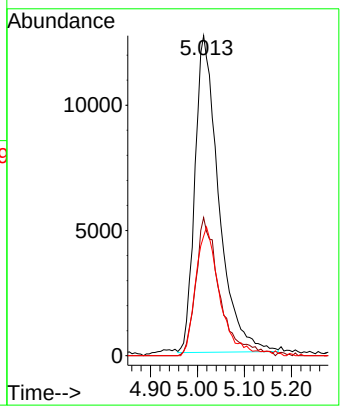





#29
Tetrahydrofuran
Concen: 76.721 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 42 Resp: 4459

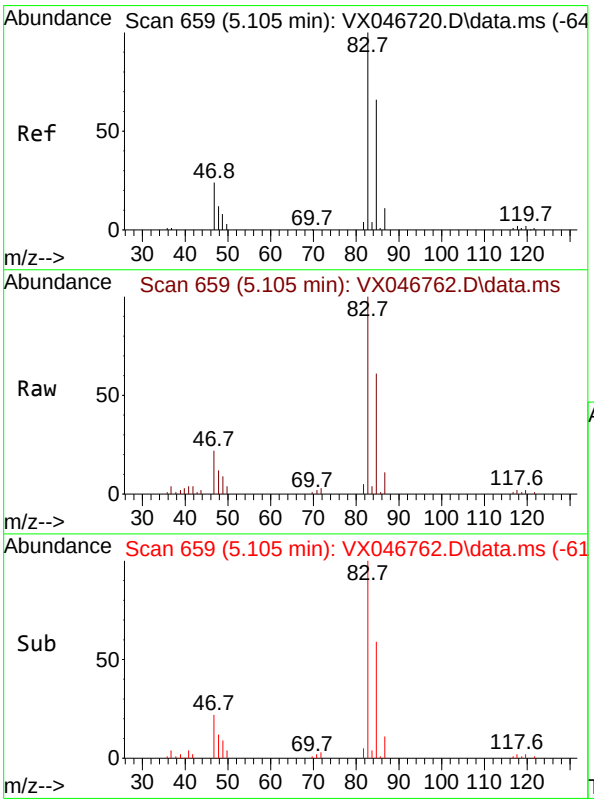
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 34.9 | 52.3 |
| 71 | 41.1 | 32.2 | 48.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

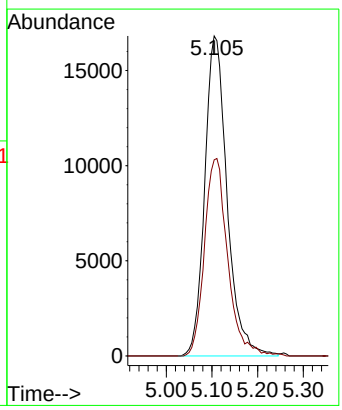
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

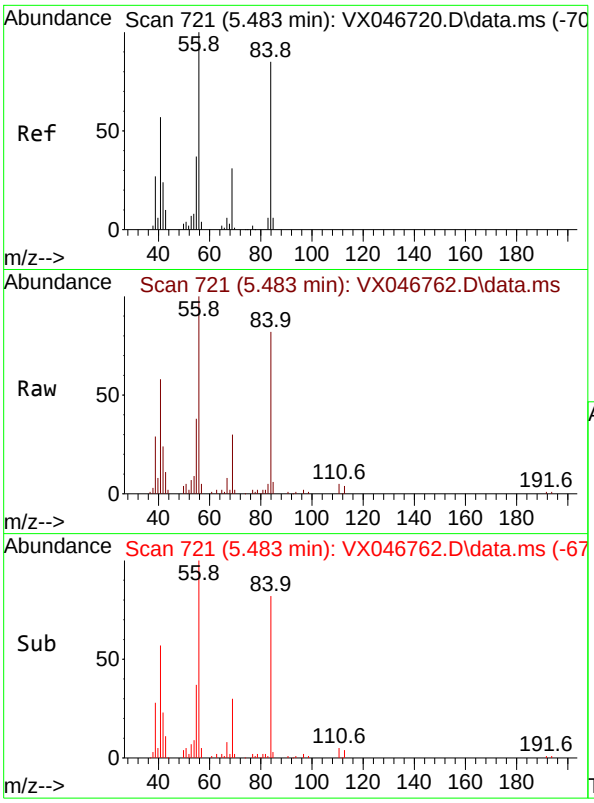



#30
Chloroform
Concen: 18.982 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 83 Resp: 57187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.3 | 53.7 | 80.5 |

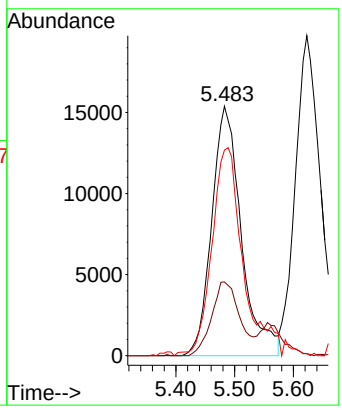





#31
Cyclohexane
Concen: 18.836 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 56 Resp: 5381

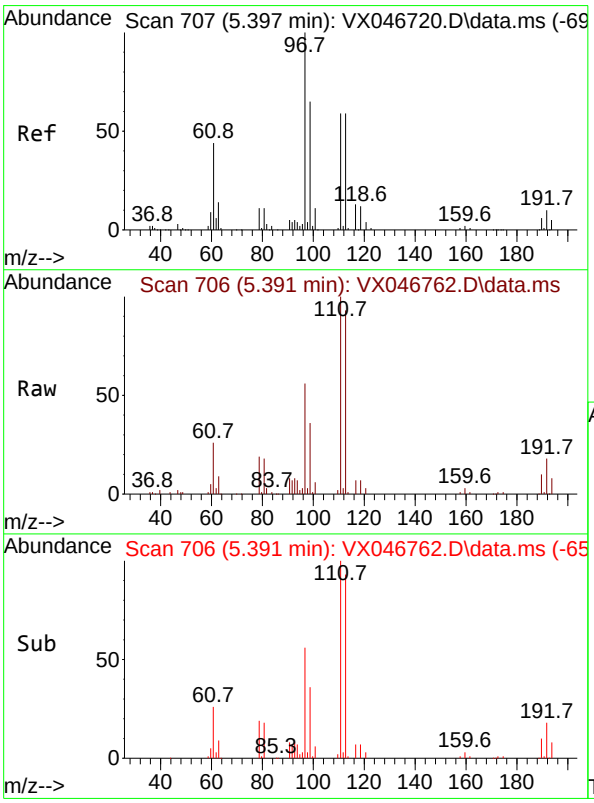
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 24.8 | 37.2 |
| 84 | 81.2 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

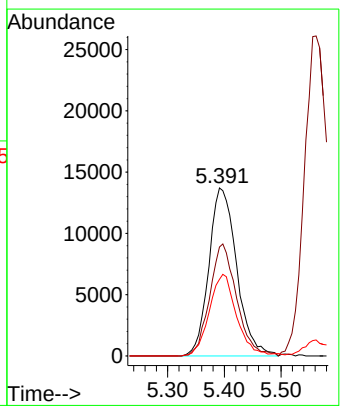
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

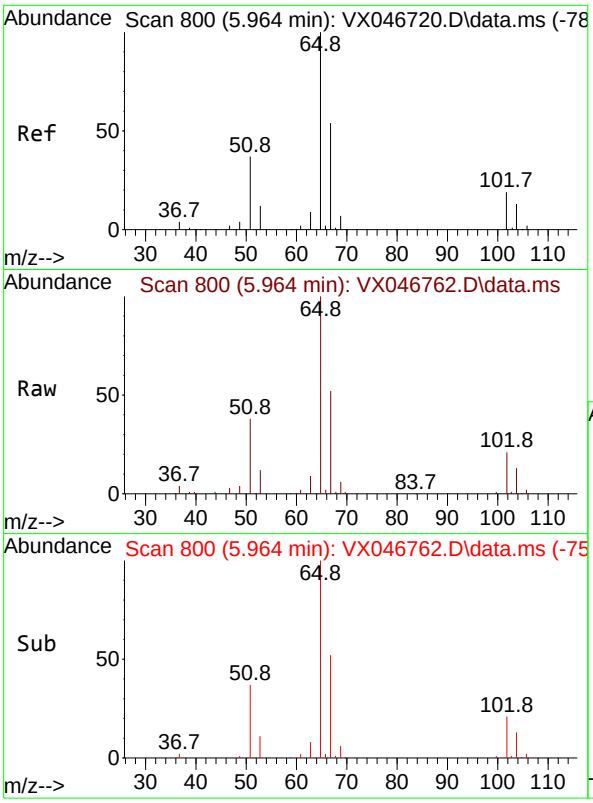



#32
1,1,1-Trichloroethane
Concen: 17.665 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 97 Resp: 46675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.3 | 76.9 |
| 61 | 47.4 | 36.4 | 54.6 |

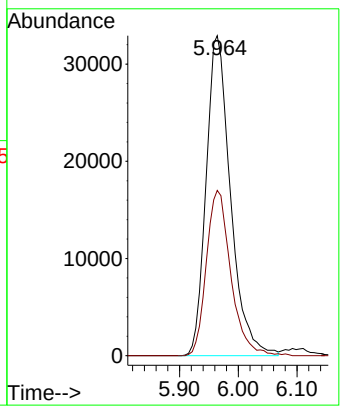





#33
1,2-Dichloroethane-d4
Concen: 49.765 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 65 Resp: 9494

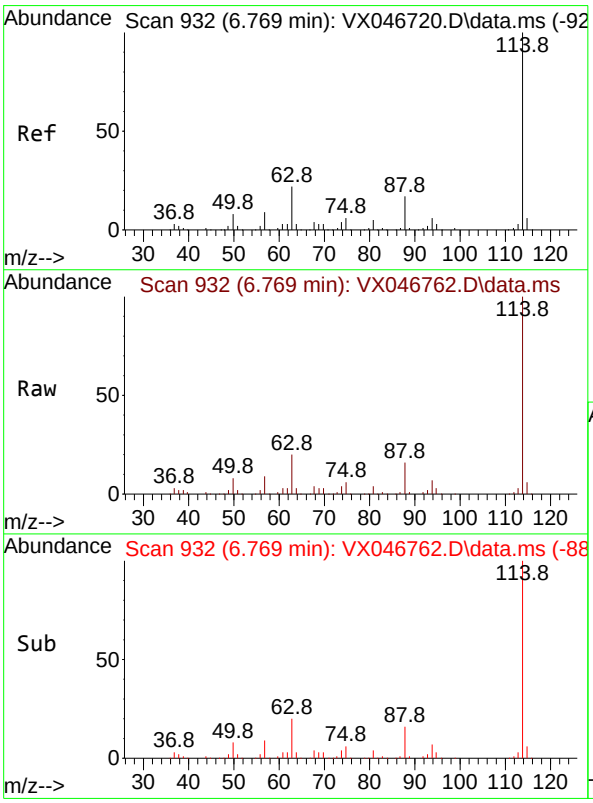
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

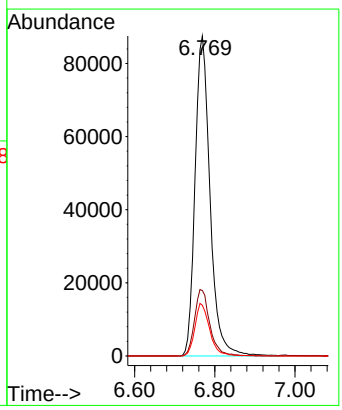
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

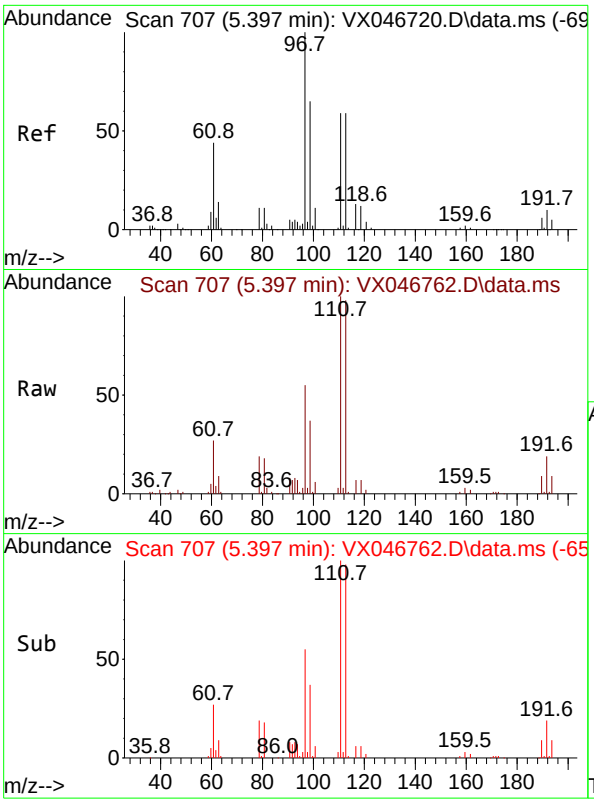



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:114 Resp: 227140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |

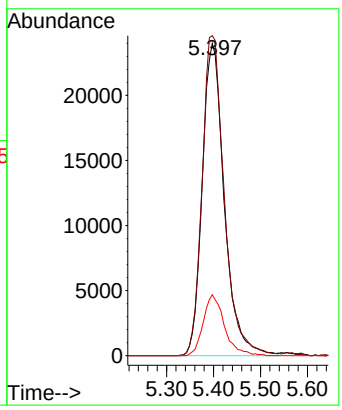





#35
Dibromofluoromethane
Concen: 52.032 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:113 Resp: 7819

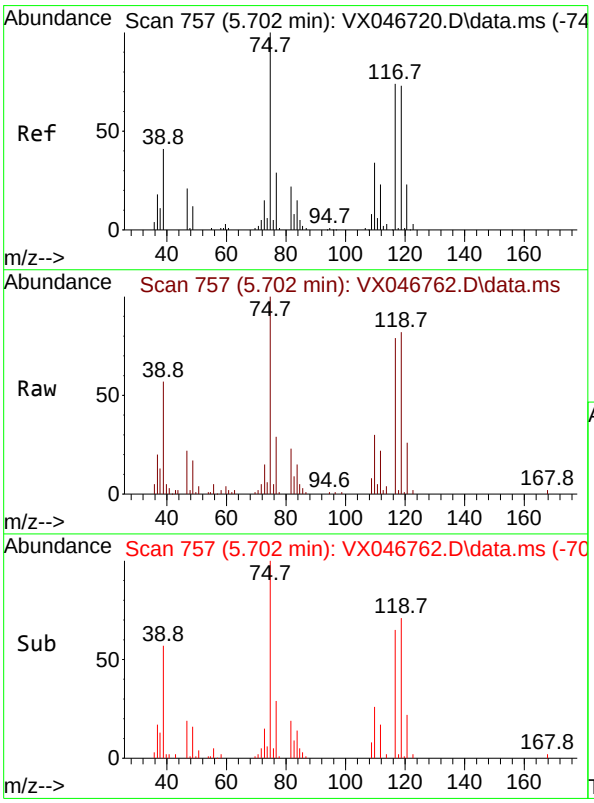
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

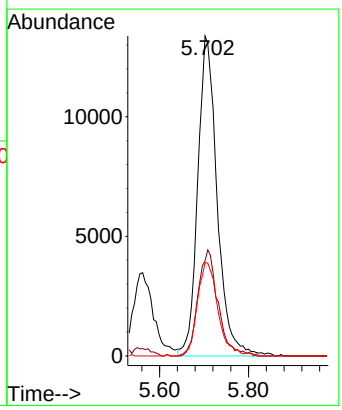
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

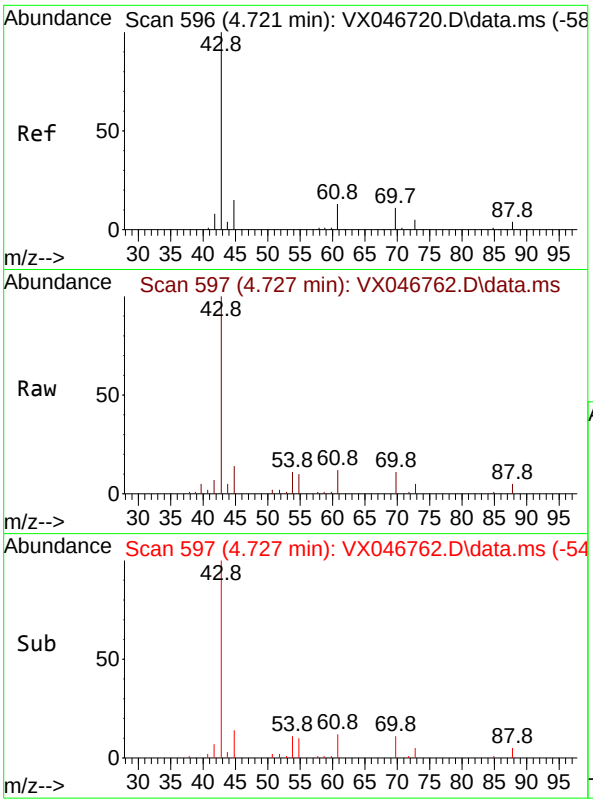



#36
1,1-Dichloropropene
Concen: 18.754 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 40684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.0 | 17.2 | 51.5 |
| 77 | 31.1 | 24.2 | 36.4 |






#37
Ethyl Acetate
Concen: 15.895 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

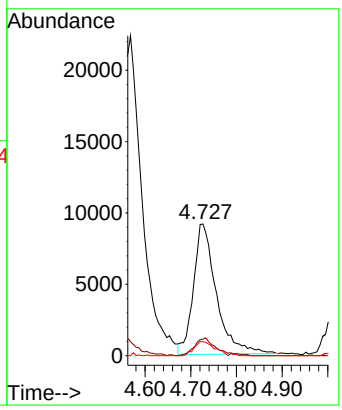
Tgt Ion: 43 Resp: 3182

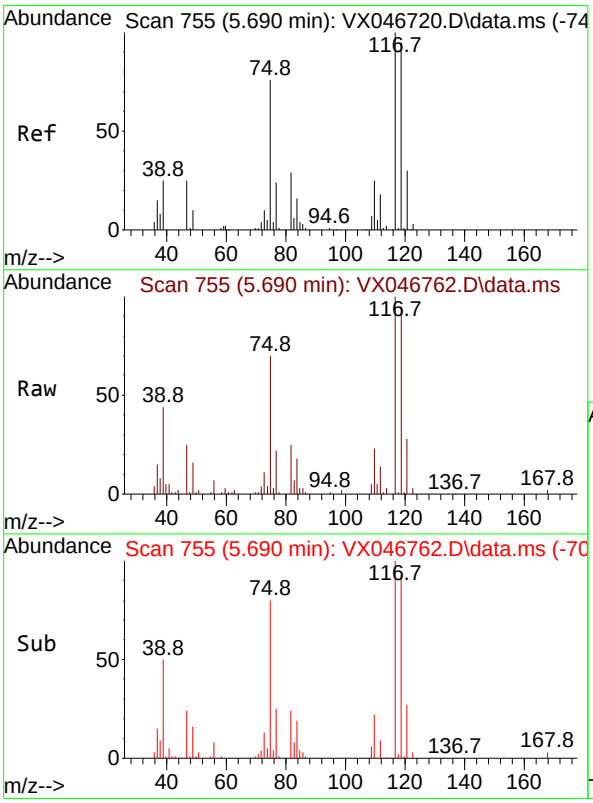
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 9.7 | 14.5 |
| 70 | 9.5 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

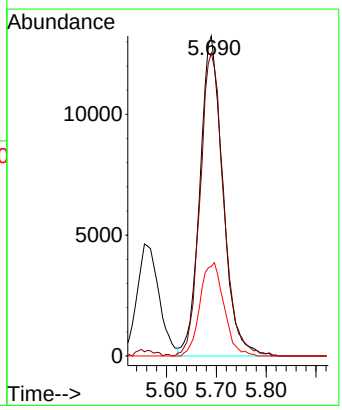


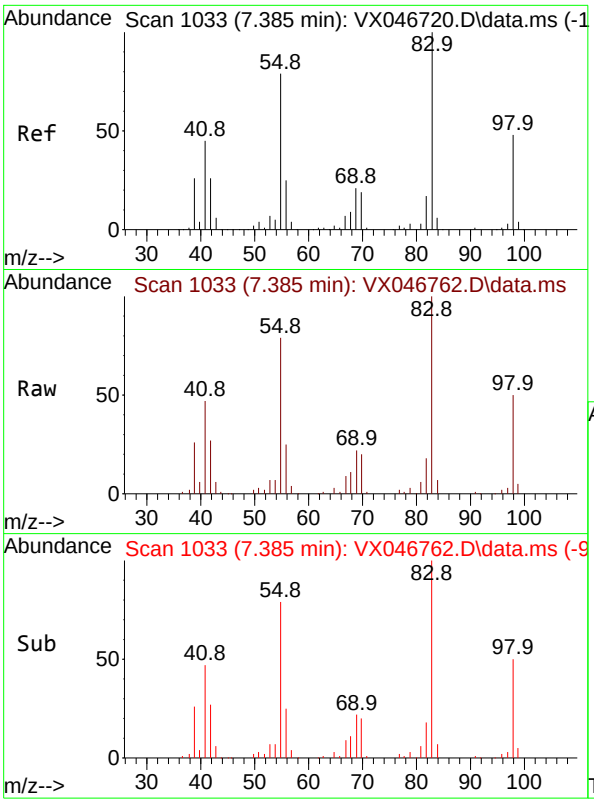




#38
Carbon Tetrachloride
Concen: 18.031 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:117 Resp: 42451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.2 | 112.8 |
| 121 | 28.0 | 24.1 | 36.1 |

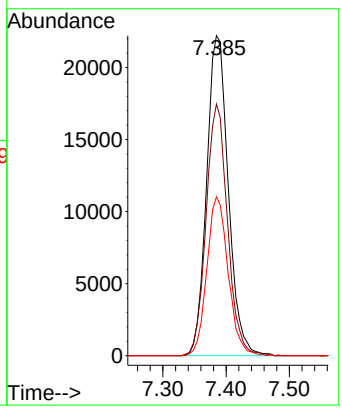





#39
Methylcyclohexane
Concen: 18.541 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 83 Resp: 5293

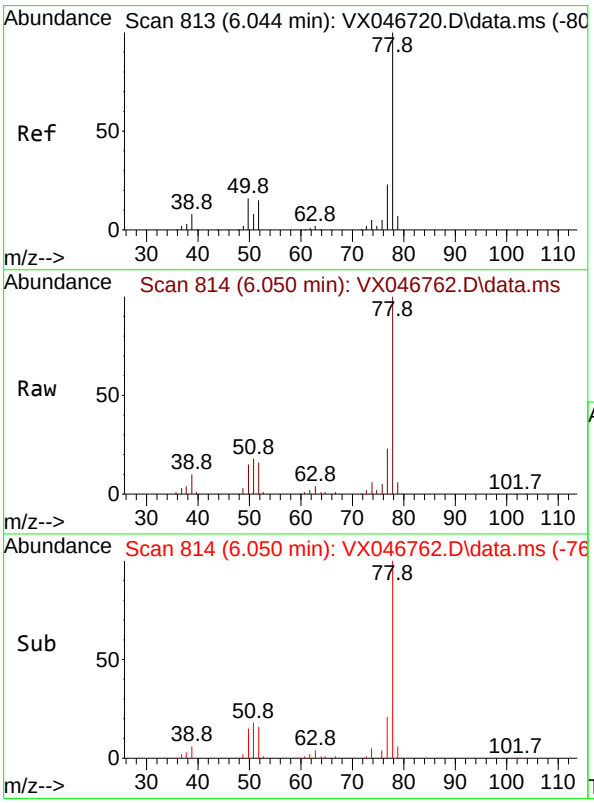
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.7 | 63.0 | 94.4 |
| 98 | 49.6 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

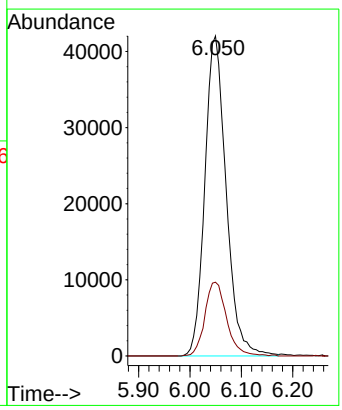
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

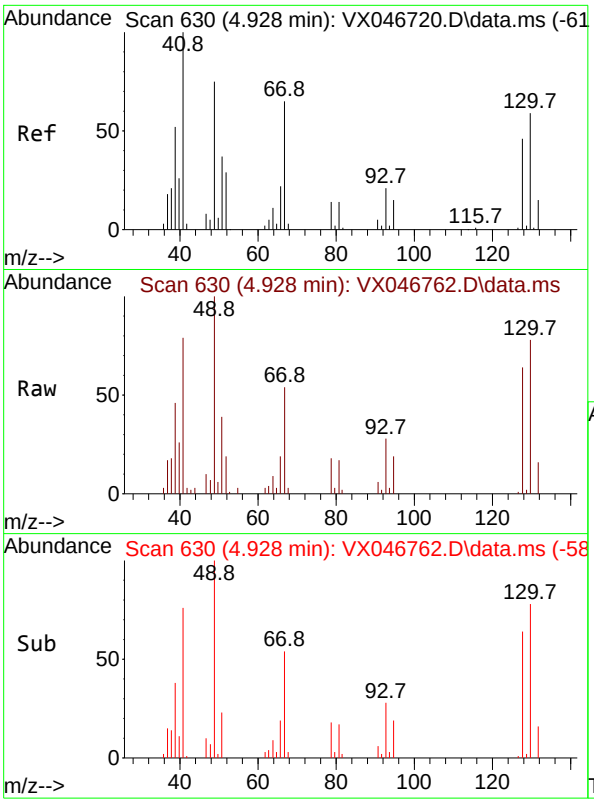



#40
Benzene
Concen: 18.864 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 78 Resp: 121111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.0 | 18.8 | 28.2 |

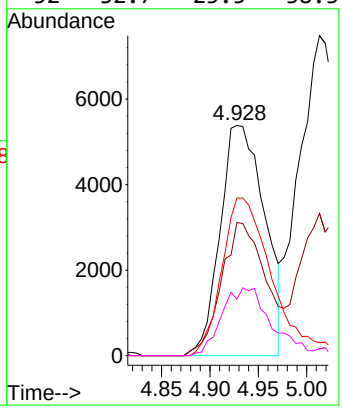





#41
Methacrylonitrile
Concen: 16.137 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 41 Resp: 1722

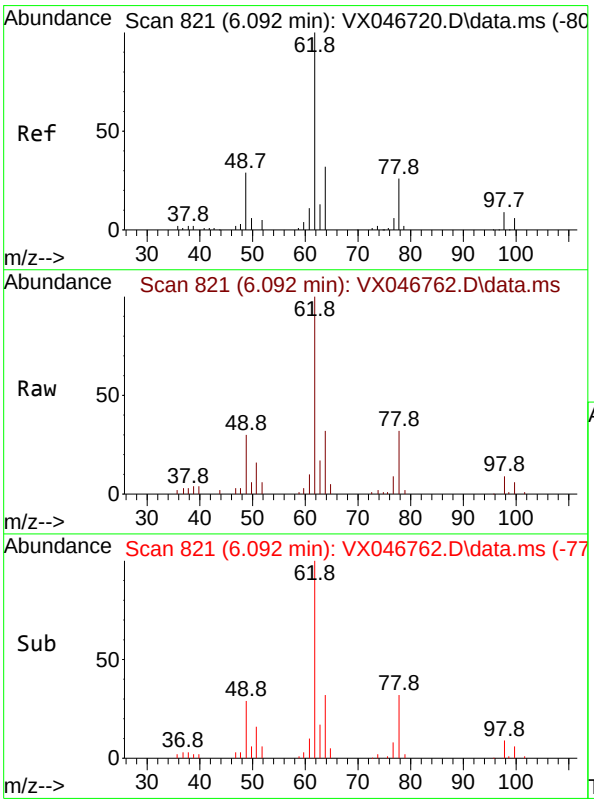
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.4 | 45.9 | 68.9 |
| 67 | 77.6 | 61.2 | 91.8 |
| 52 | 32.7 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

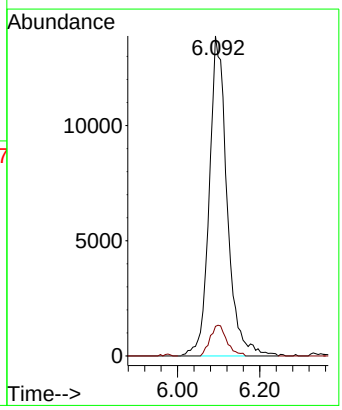
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

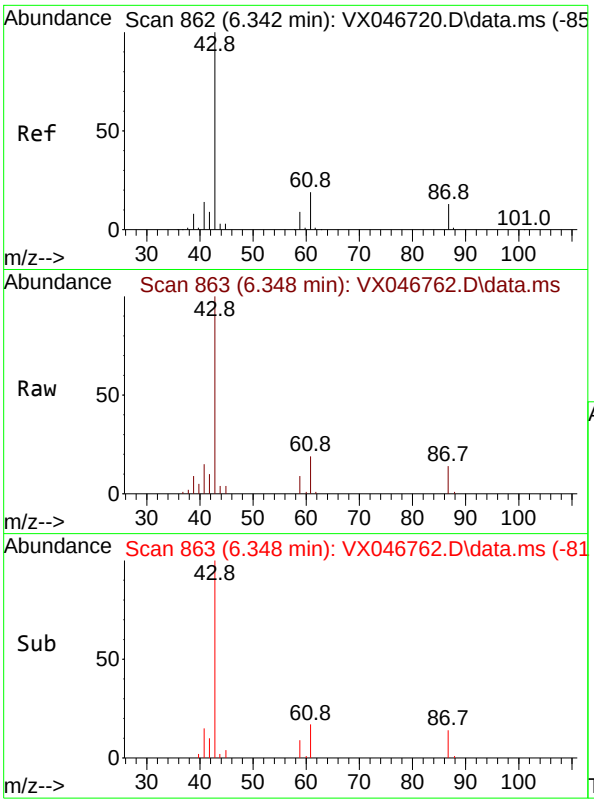



#42
1,2-Dichloroethane
Concen: 18.518 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 62 Resp: 41780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 16.286 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

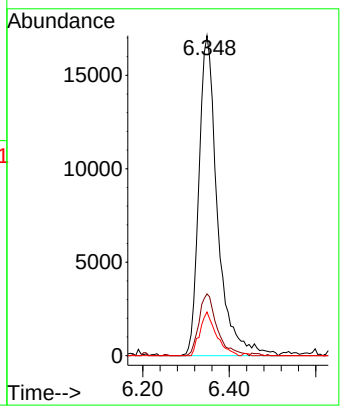
Tgt Ion: 43 Resp: 5103

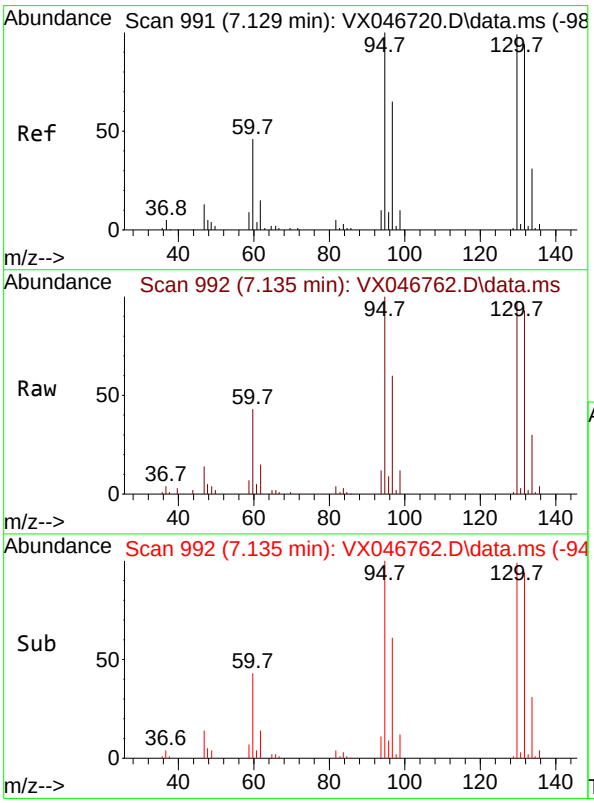
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 15.3 | 22.9 |
| 87 | 12.0 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

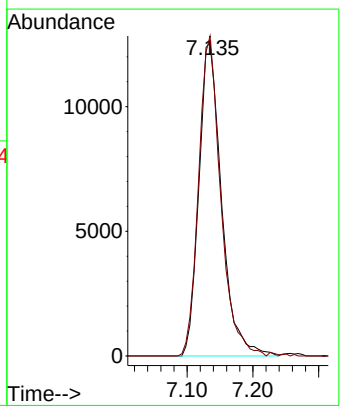


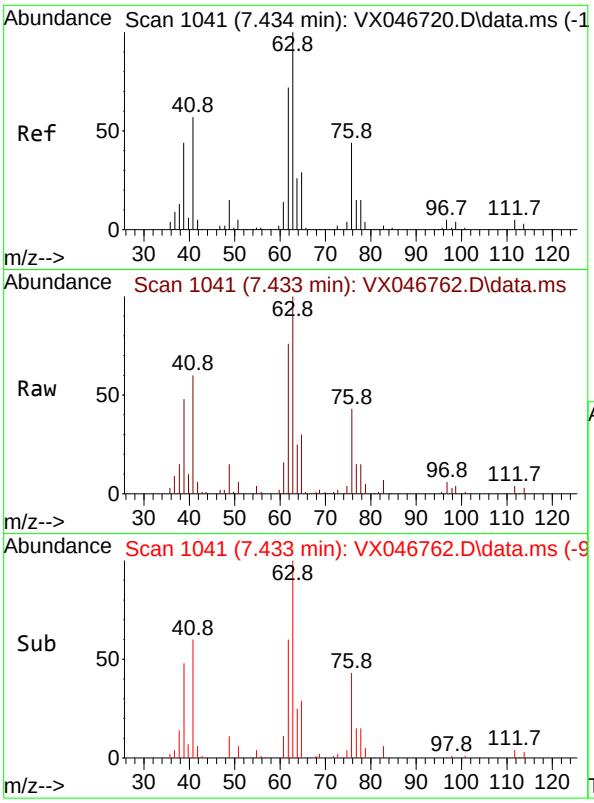




#44
Trichloroethene
Concen: 18.392 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:130 Resp: 30093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.2 | 0.0 | 202.6 |






#45
1,2-Dichloropropane
Concen: 18.429 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

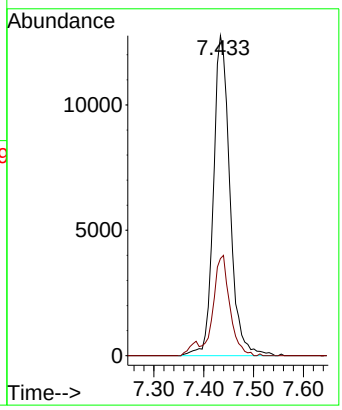
Tgt Ion: 63 Resp: 2932

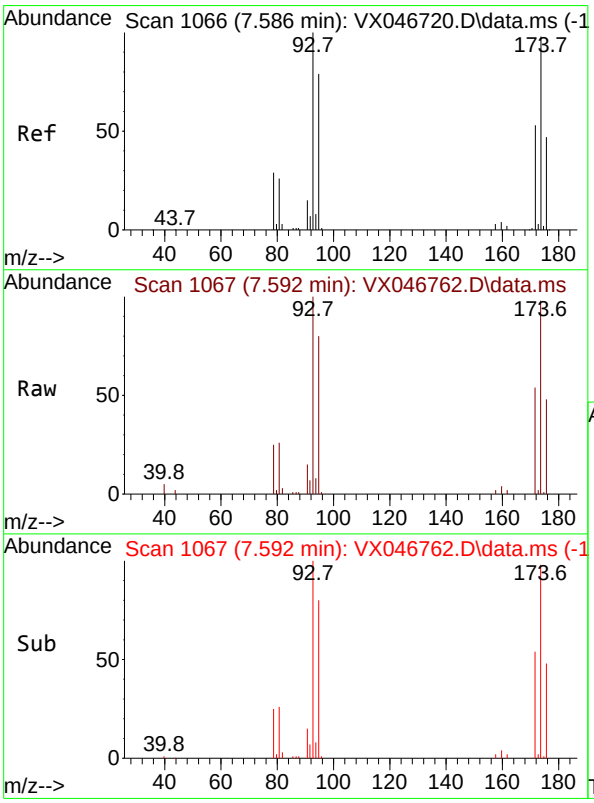
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 22.9 | 34.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

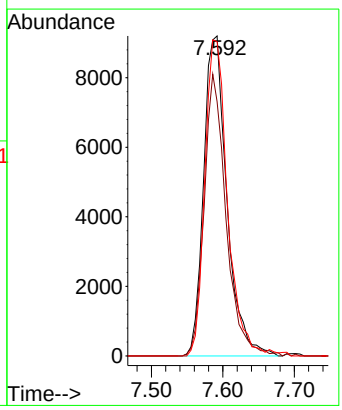


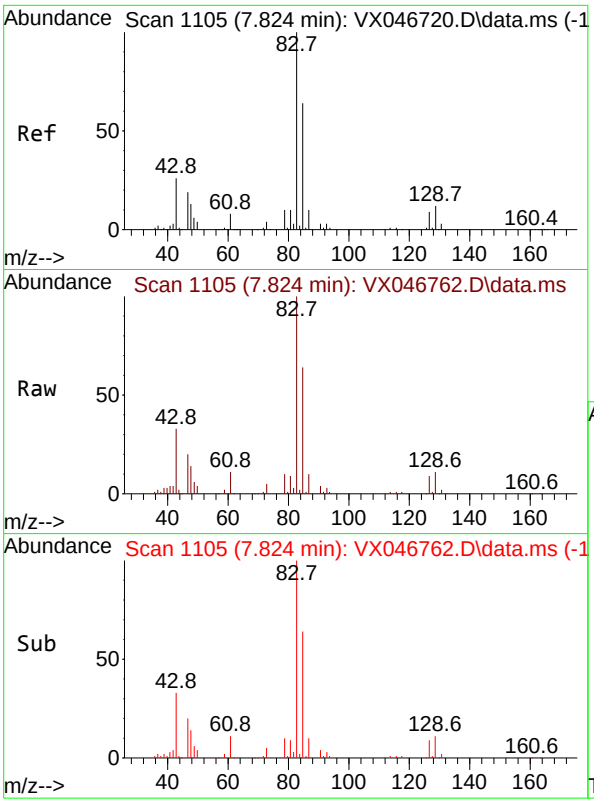




#46
Dibromomethane
Concen: 18.181 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 93 Resp: 20791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.2 | 99.4 |
| 174 | 97.3 | 77.0 | 115.6 |

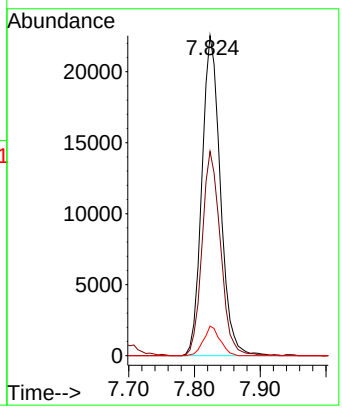





#47
Bromodichloromethane
Concen: 18.870 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 83 Resp: 4403

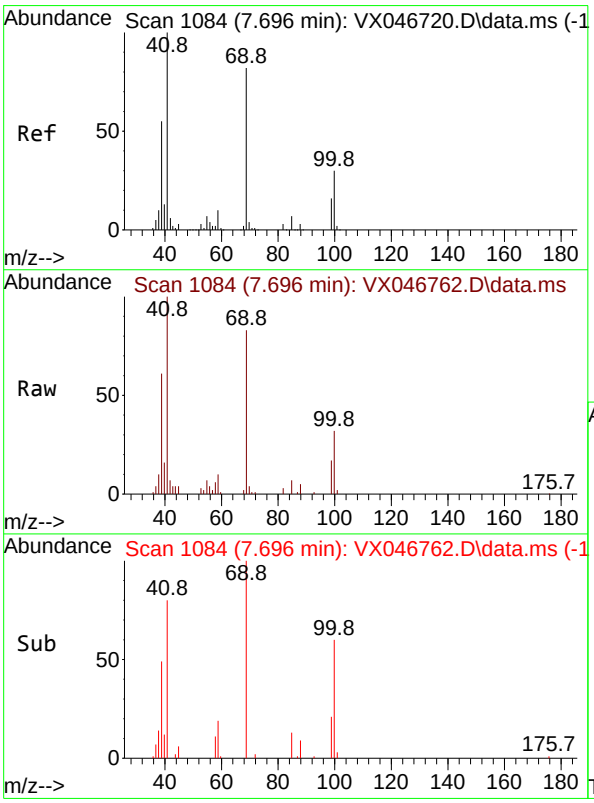
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 51.4 | 77.2 |
| 127 | 9.3 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

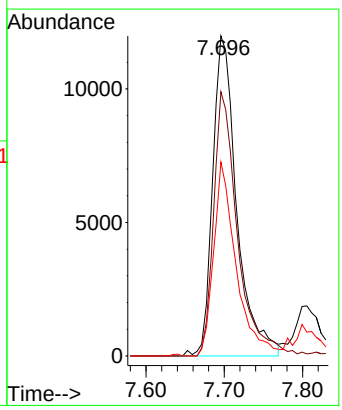
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

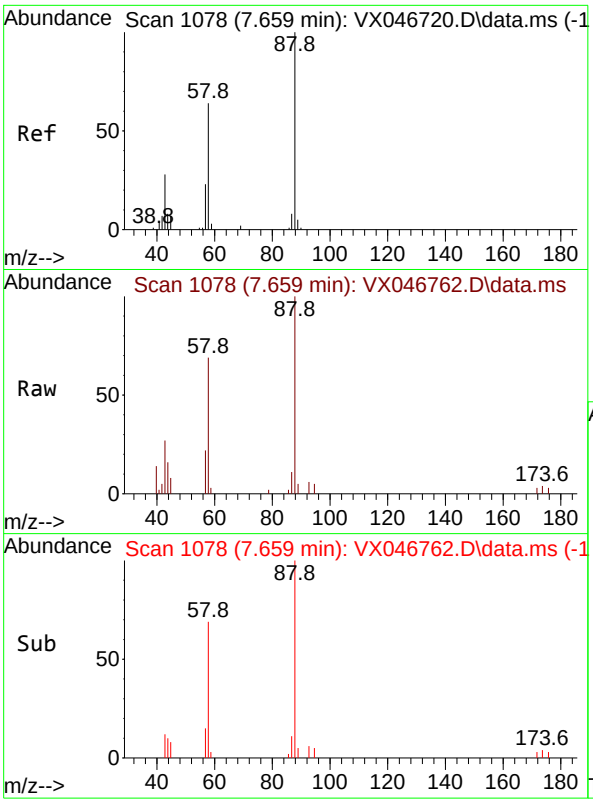



#48
Methyl methacrylate
Concen: 16.301 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 41 Resp: 25618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 63.4 | 95.2 |
| 39 | 57.0 | 45.4 | 68.0 |

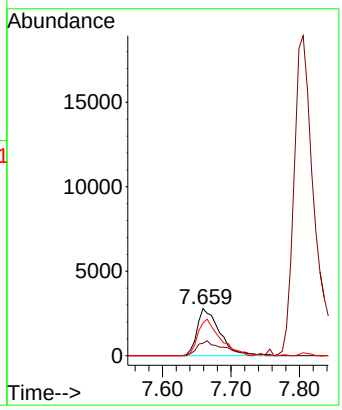





#49
1,4-Dioxane
Concen: 299.149 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 88 Resp: 637

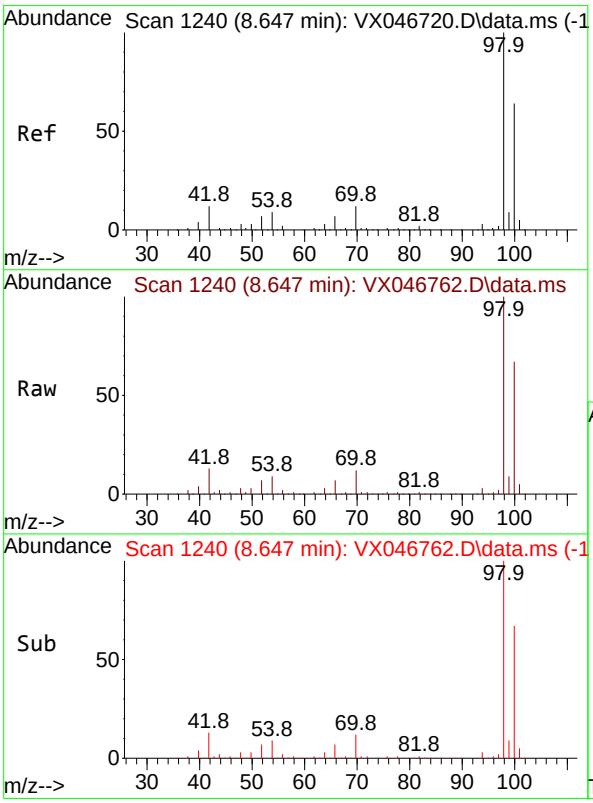
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 31.2 | 46.8 |
| 58 | 75.1 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

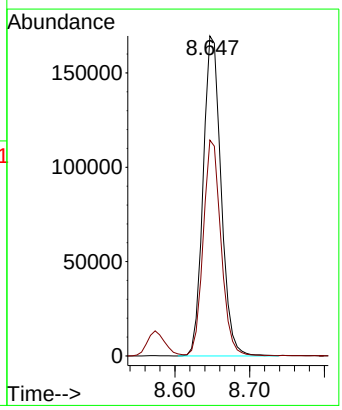
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

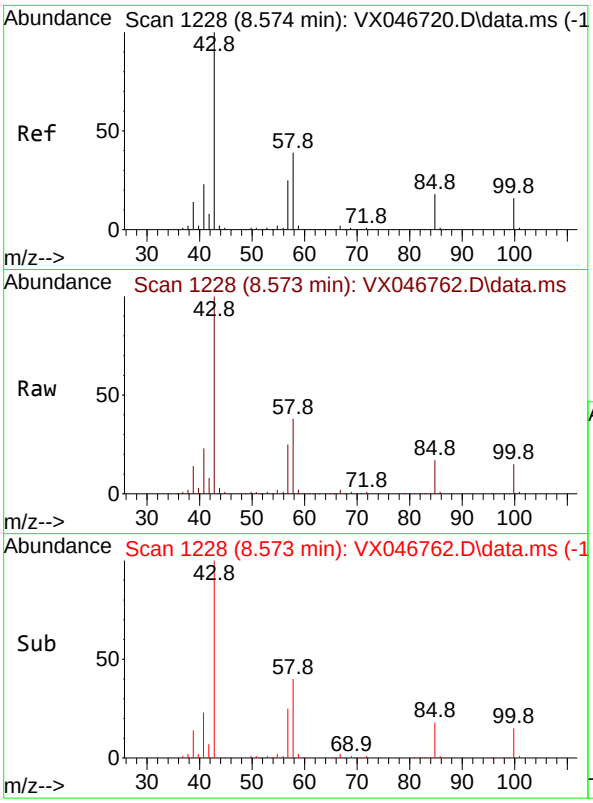



#50
Toluene-d8
Concen: 52.340 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 98 Resp: 282602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

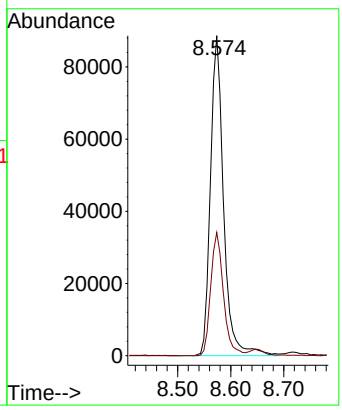





#51
4-Methyl-2-Pentanone
Concen: 81.636 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 15256

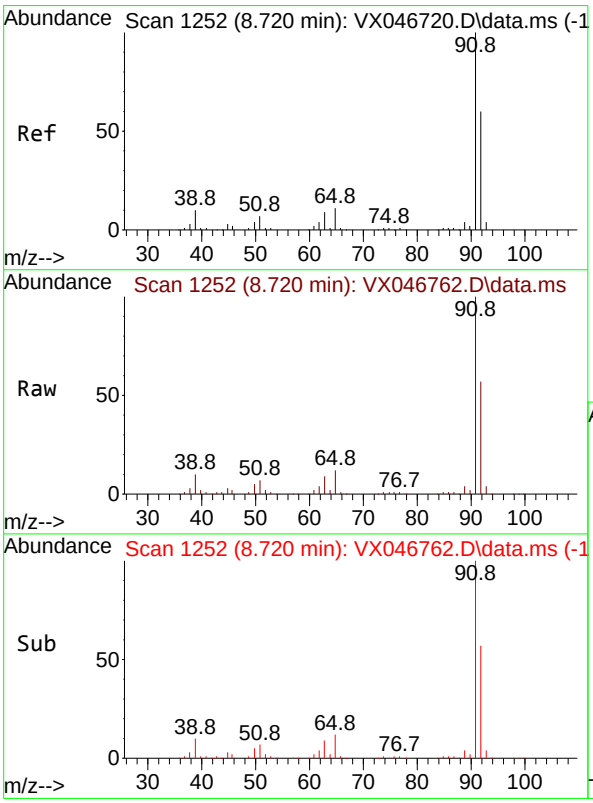
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

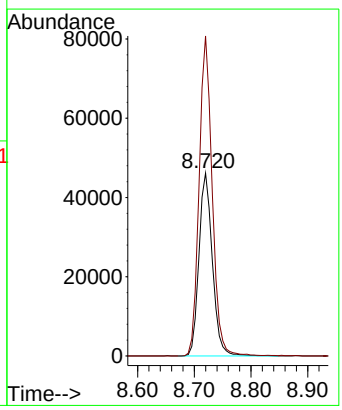
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

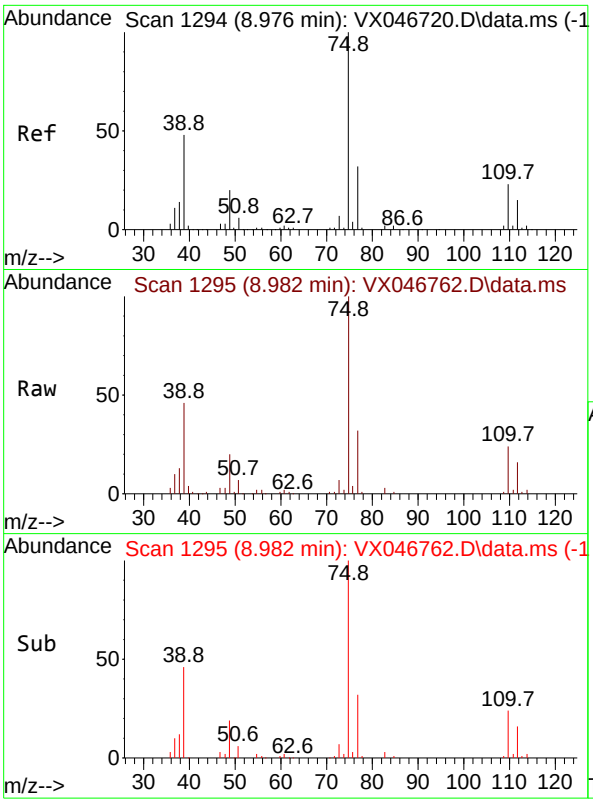



#52
Toluene
Concen: 19.048 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 92 Resp: 75814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.6 | 134.8 | 202.2 |

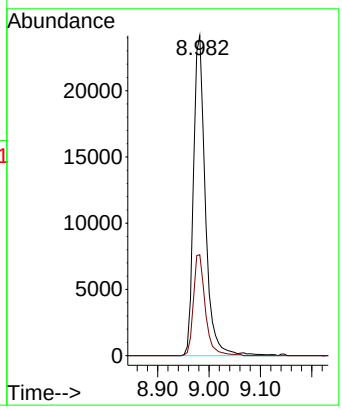





#53
t-1,3-Dichloropropene
Concen: 17.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 3894

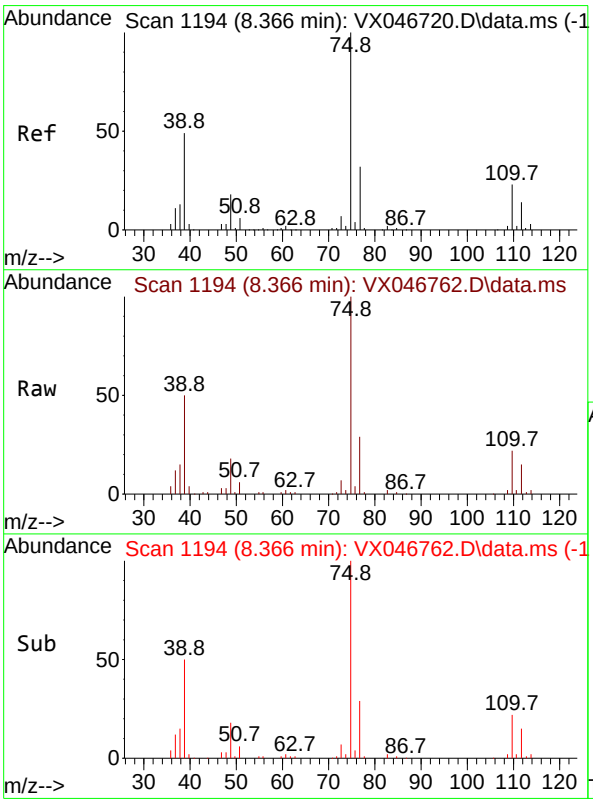
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

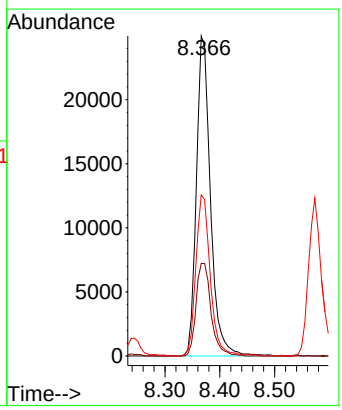
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

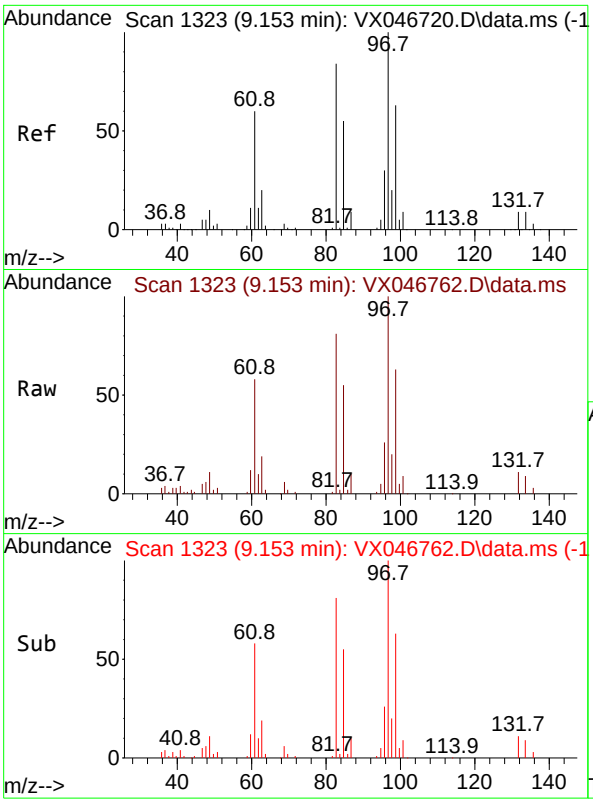



#54
cis-1,3-Dichloropropene
Concen: 18.171 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 44663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.9 | 25.3 | 37.9 |
| 39 | 48.7 | 39.2 | 58.8 |

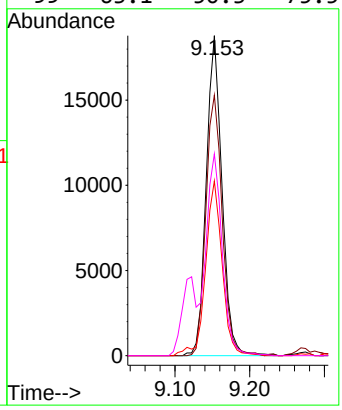





#55
1,1,2-Trichloroethane
Concen: 18.544 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 97 Resp: 2750

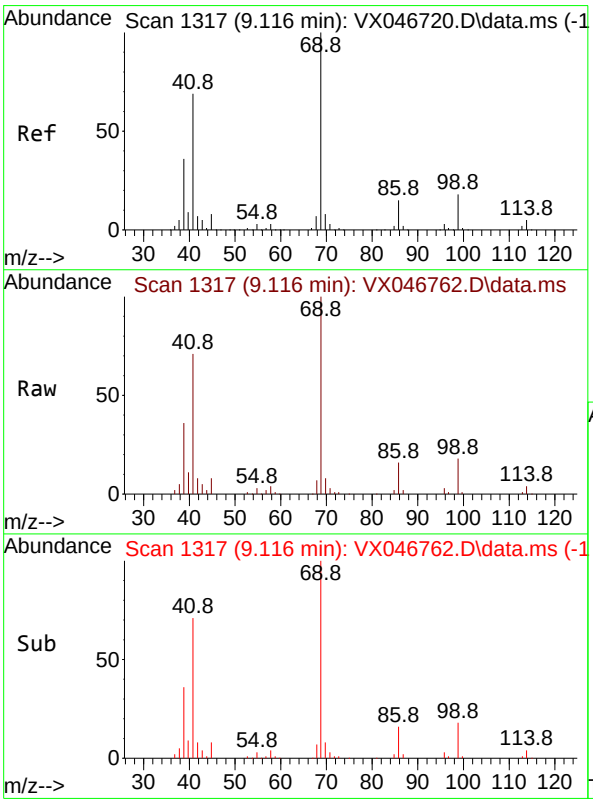
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.4 | 67.2 | 100.8 |
| 85 | 54.6 | 44.1 | 66.1 |
| 99 | 63.1 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

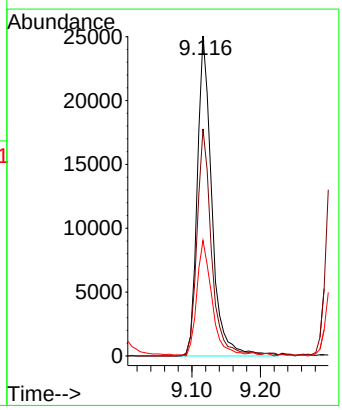
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

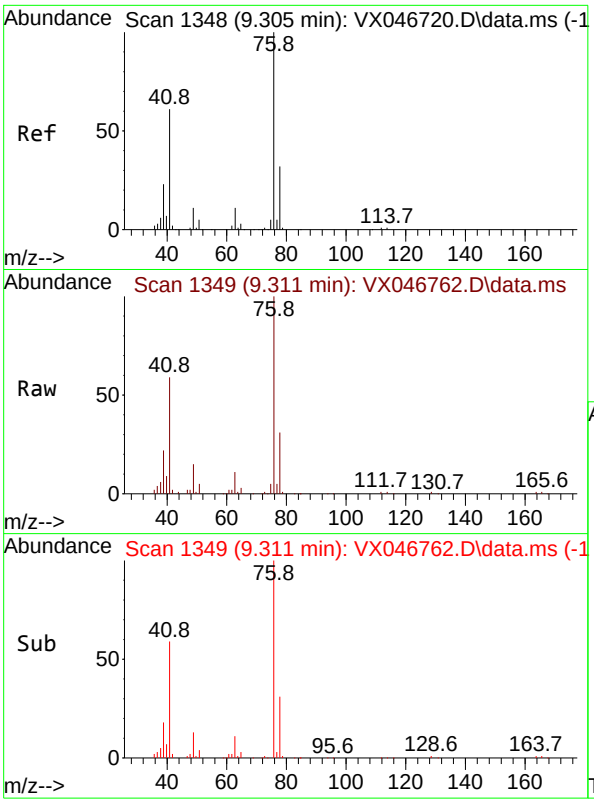



#56
Ethyl methacrylate
Concen: 16.942 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 69 Resp: 37095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 55.4 | 83.2 |
| 39 | 36.2 | 29.7 | 44.5 |

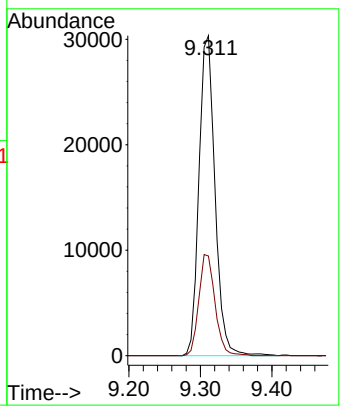





#57
1,3-Dichloropropane
Concen: 18.484 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 76 Resp: 4721

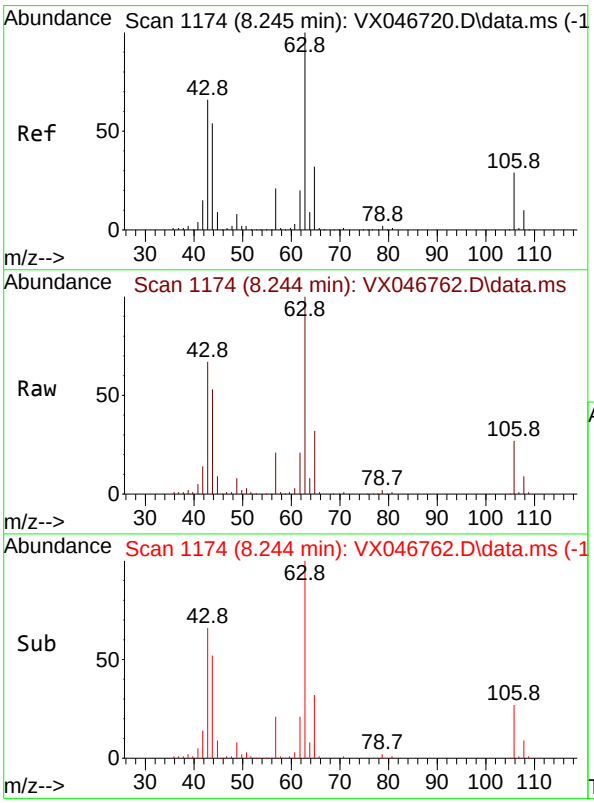
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

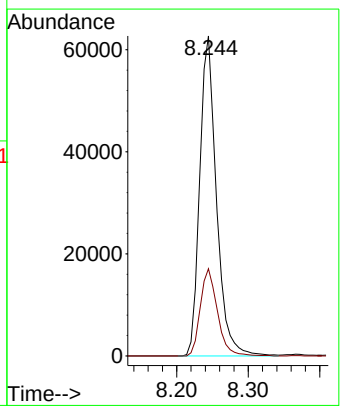
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

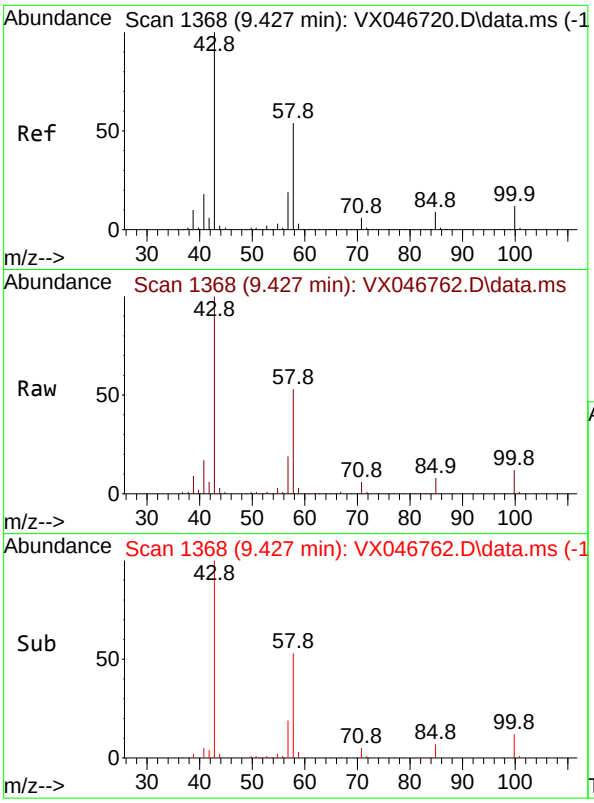



#58
2-Chloroethyl Vinyl ether
Concen: 89.565 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 63 Resp: 101869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.8 | 22.6 | 34.0 |






#59
2-Hexanone
Concen: 78.935 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

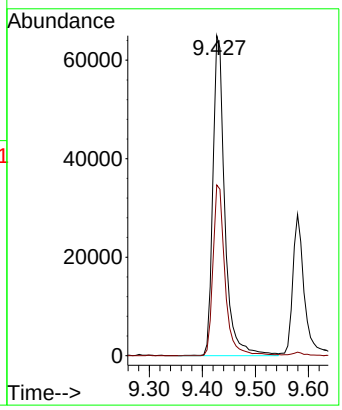
Tgt Ion: 43 Resp: 10198

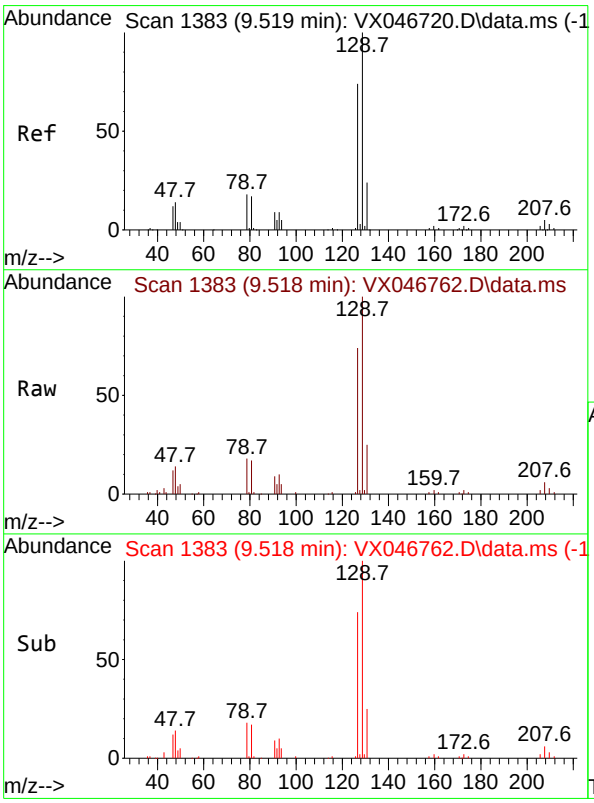
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.7 | 26.8 | 80.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

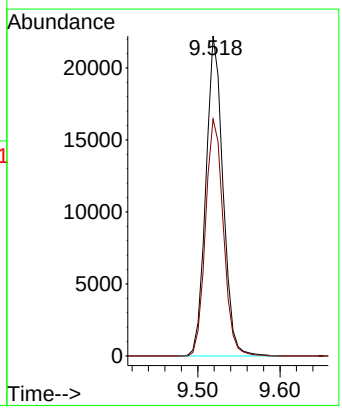


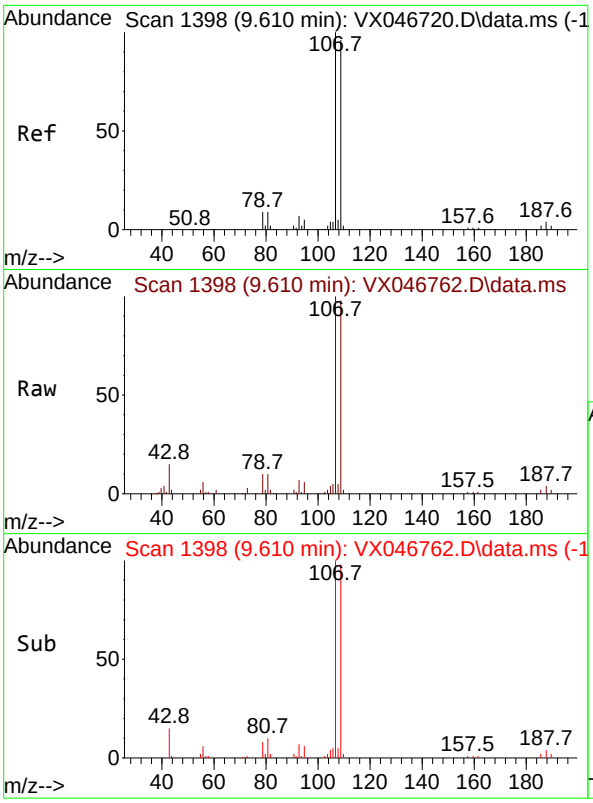




#60
Dibromochloromethane
Concen: 18.395 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:129 Resp: 32154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.4 | 115.2 |

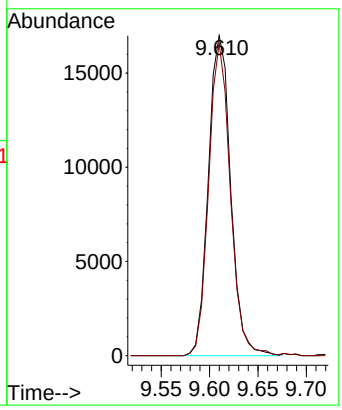





#61
1,2-Dibromoethane
Concen: 18.042 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:107 Resp: 2722

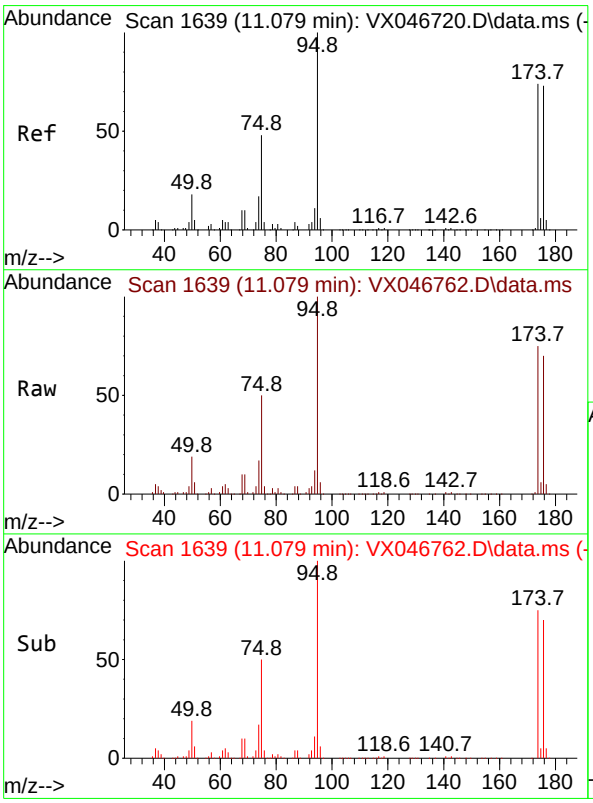
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

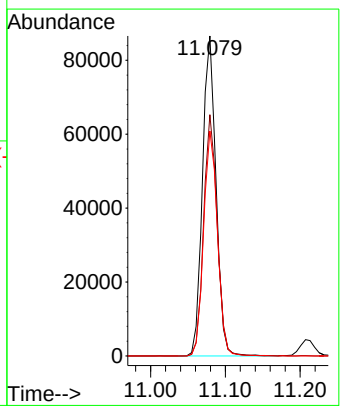
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

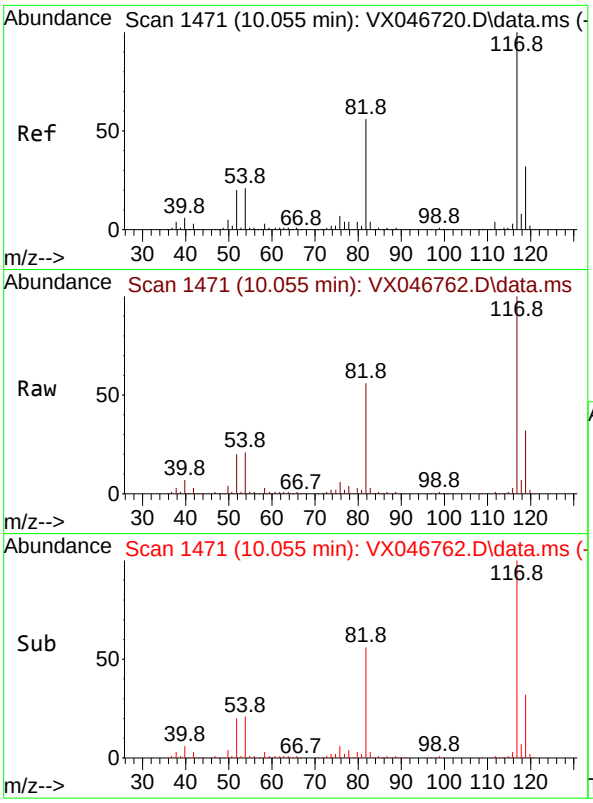



#62
4-Bromofluorobenzene
Concen: 54.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 95 Resp: 108869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.4 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |

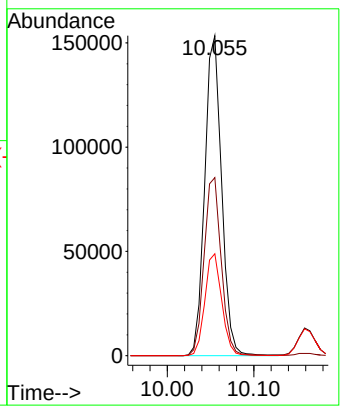





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:117 Resp: 20746

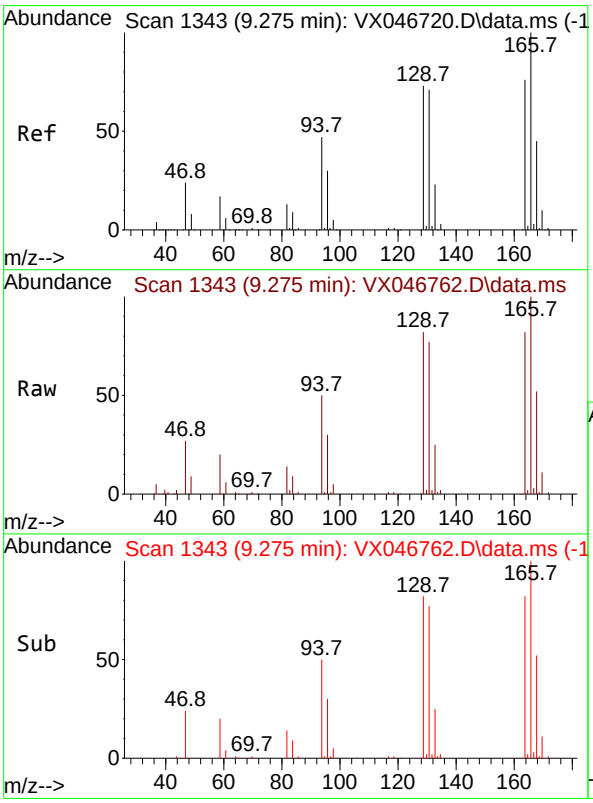
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 44.6 | 66.8 |
| 119 | 31.9 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

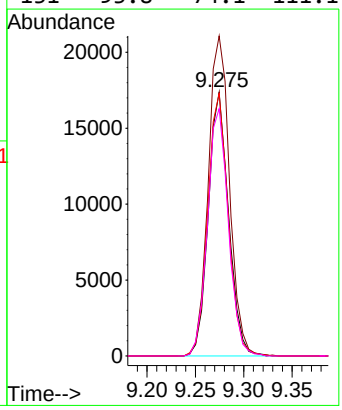
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

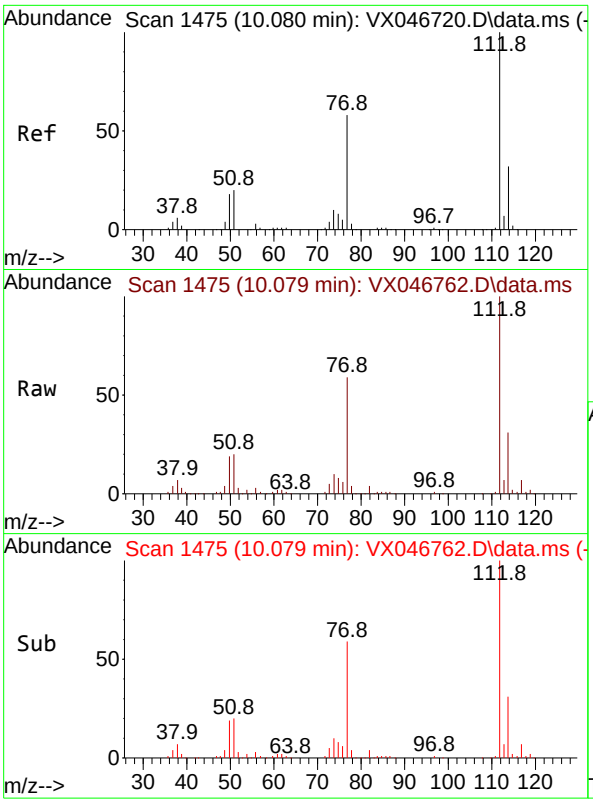



#64
Tetrachloroethene
Concen: 17.655 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:164 Resp: 25376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.4 | 104.6 | 157.0 |
| 129 | 99.6 | 76.3 | 114.5 |
| 131 | 93.8 | 74.1 | 111.1 |

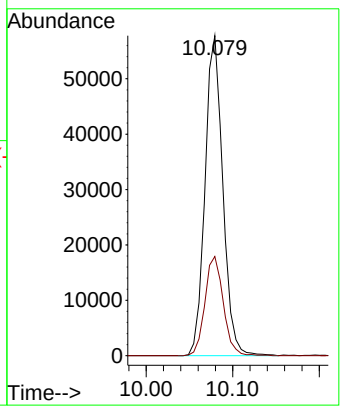





#65
Chlorobenzene
Concen: 17.991 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:112 Resp: 8239

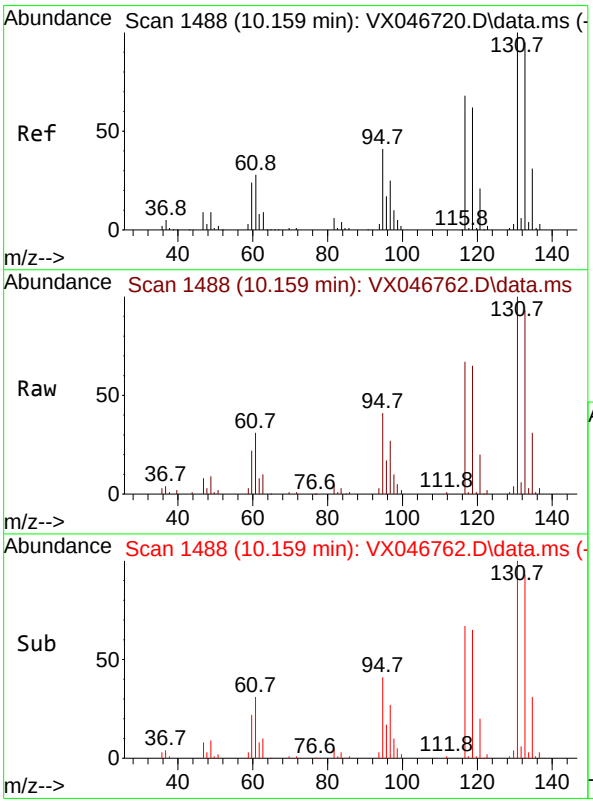
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

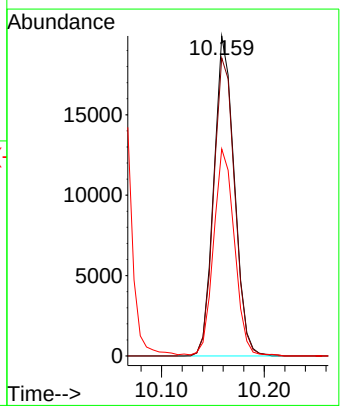
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

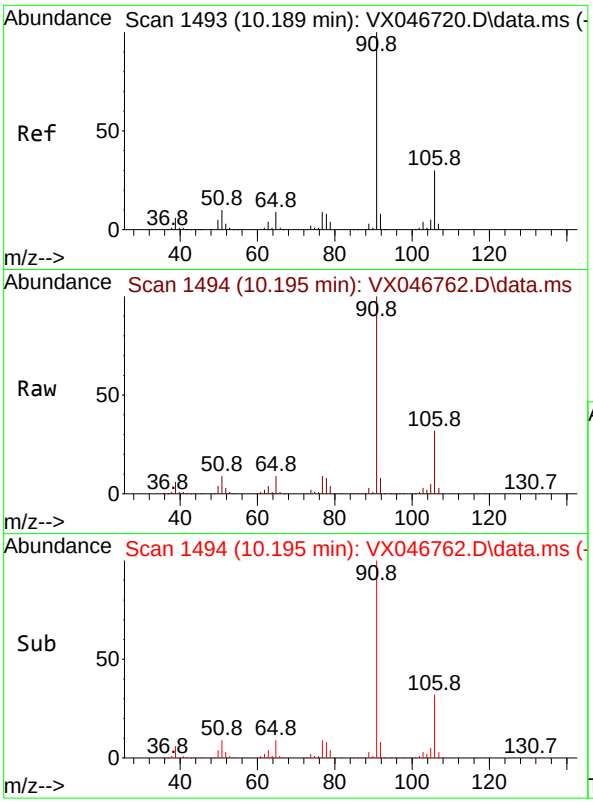



#66
1,1,1,2-Tetrachloroethane
Concen: 17.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:131 Resp: 27463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.2 | 47.3 | 141.8 |
| 119 | 66.0 | 32.1 | 96.3 |

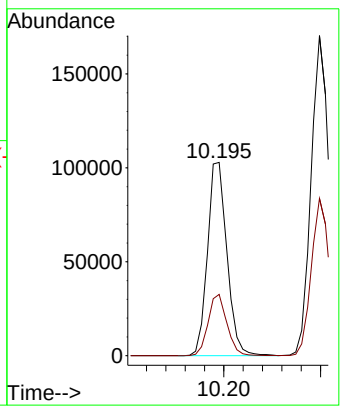





#67
Ethyl Benzene
Concen: 18.002 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 14404

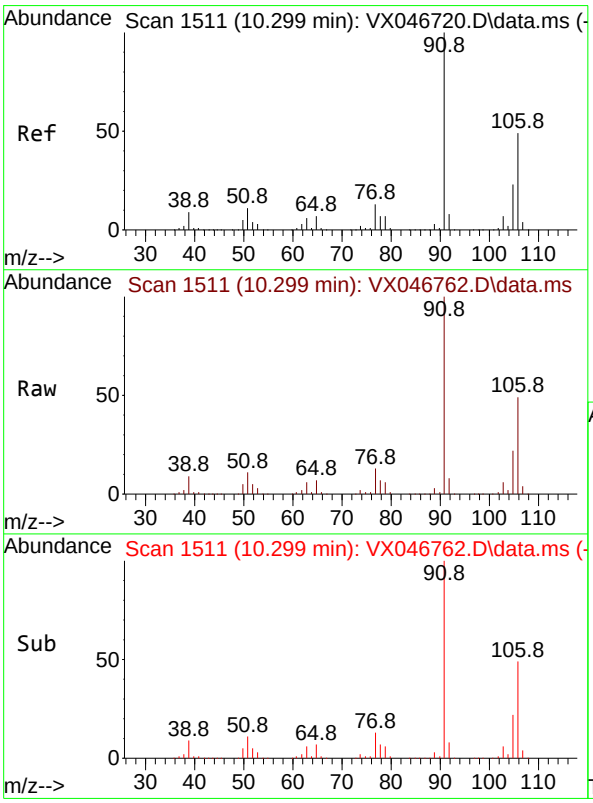
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 24.2 | 36.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

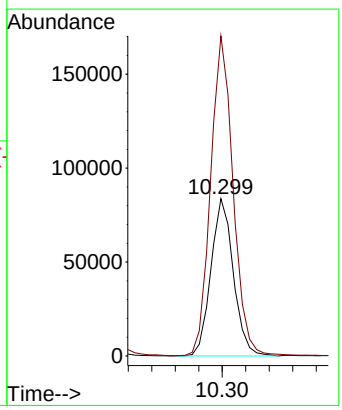
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

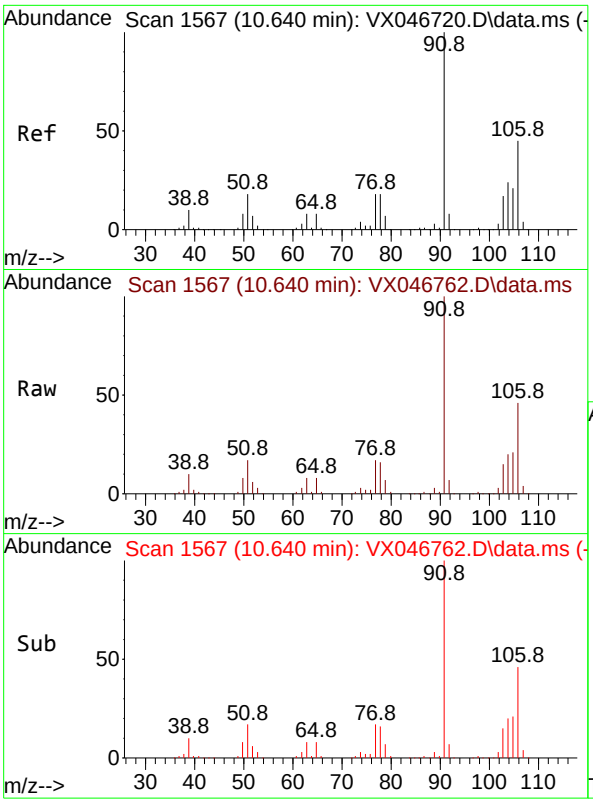



#68
m/p-Xylenes
Concen: 37.244 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:106 Resp: 111044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.3 | 164.8 | 247.2 |

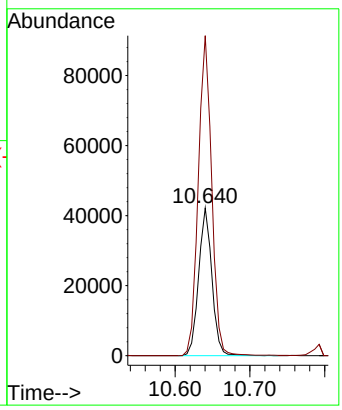





#69
o-Xylene
Concen: 18.572 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:106 Resp: 5189

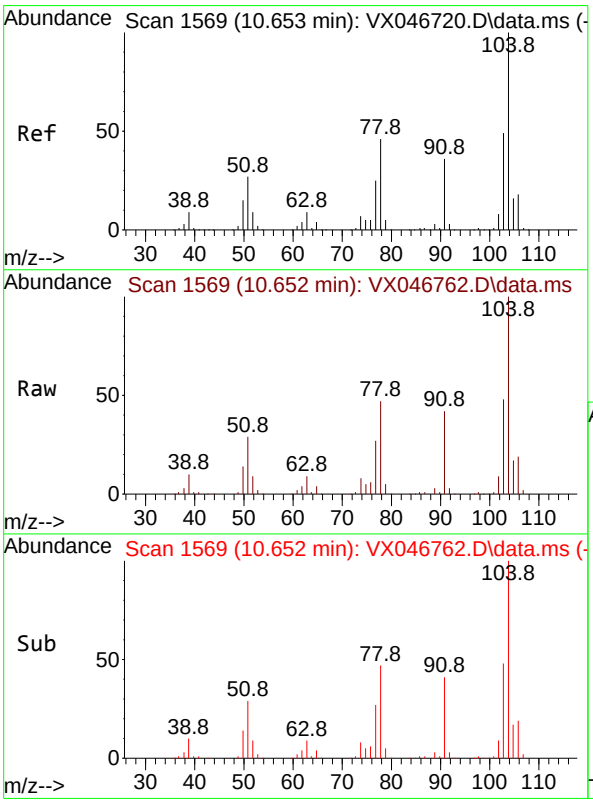
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.2 | 111.3 | 333.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

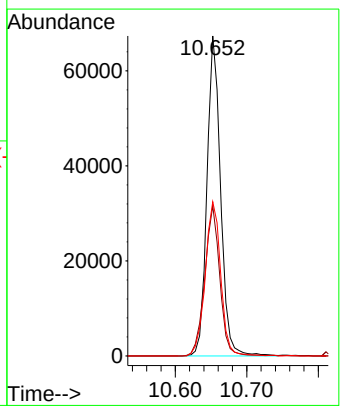
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

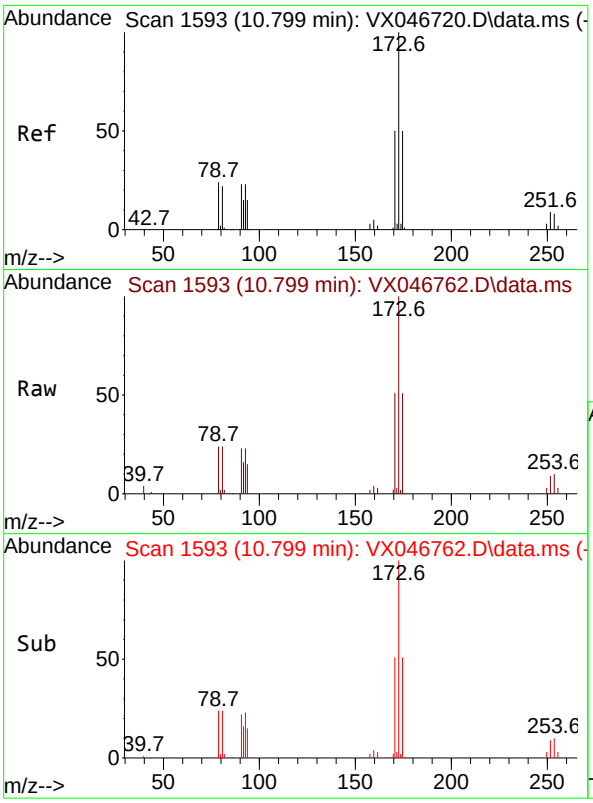



#70
Styrene
Concen: 18.260 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:104 Resp: 89289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.0 | 41.4 | 62.2 |
| 103 | 54.7 | 43.1 | 64.7 |

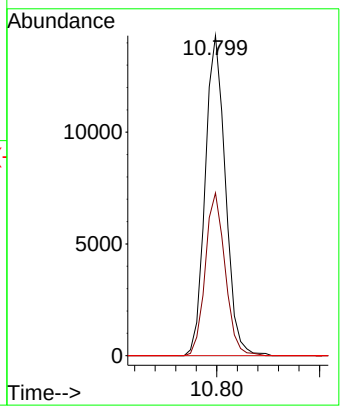





#71
Bromoform
Concen: 16.701 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:173 Resp: 1957

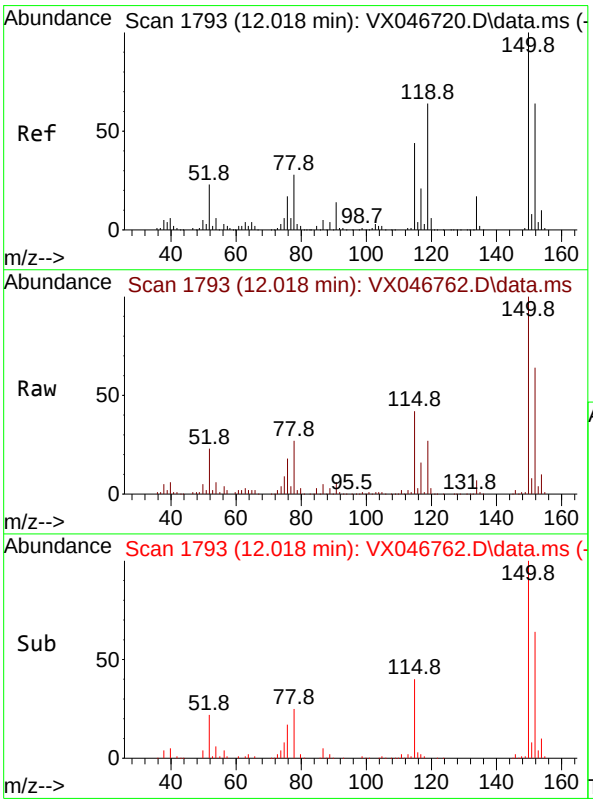
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

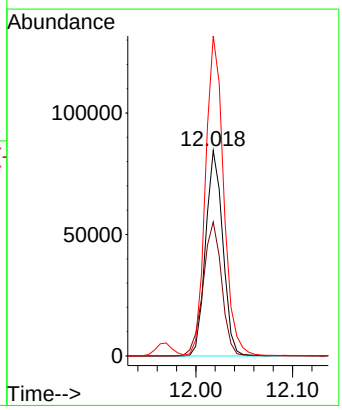
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

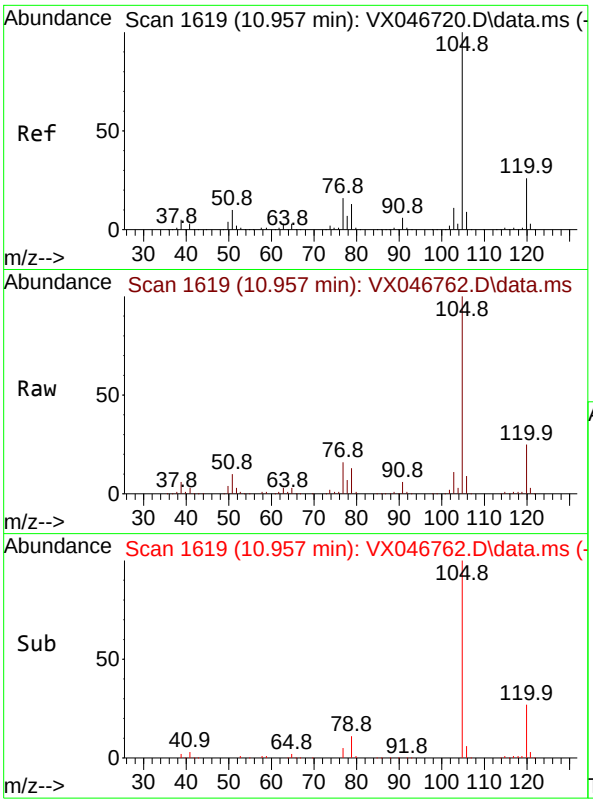



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:152 Resp: 104652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.8 | 43.2 | 129.6 |
| 150 | 164.1 | 0.0 | 346.8 |

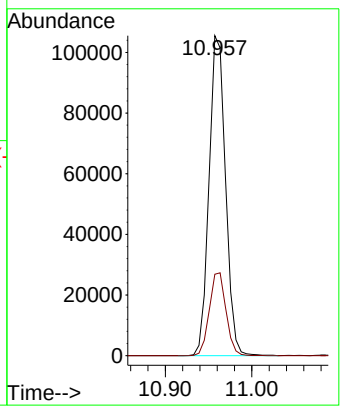





#73
Isopropylbenzene
Concen: 18.100 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 13951

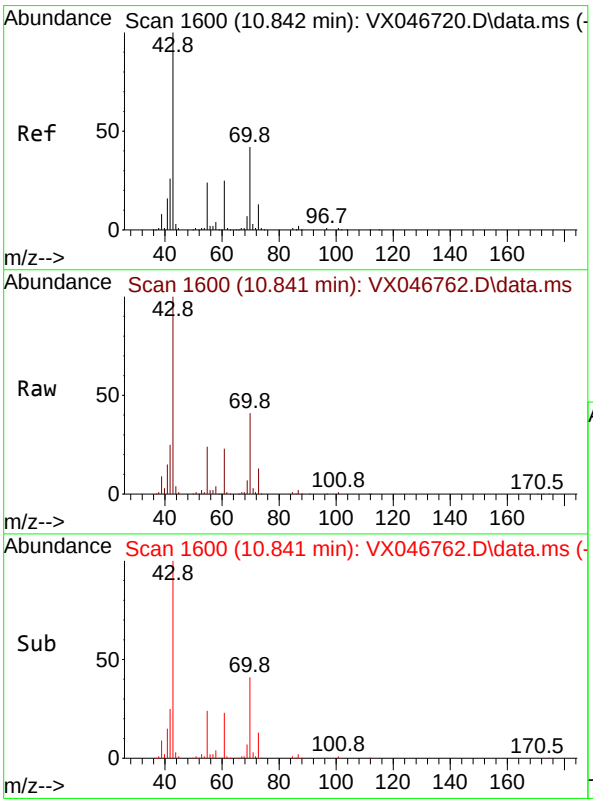
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

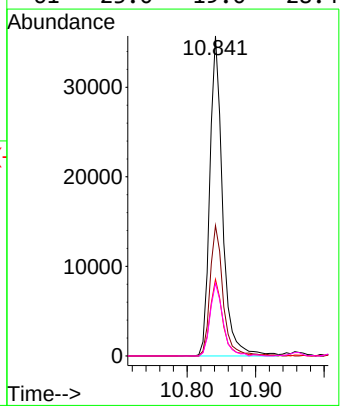
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

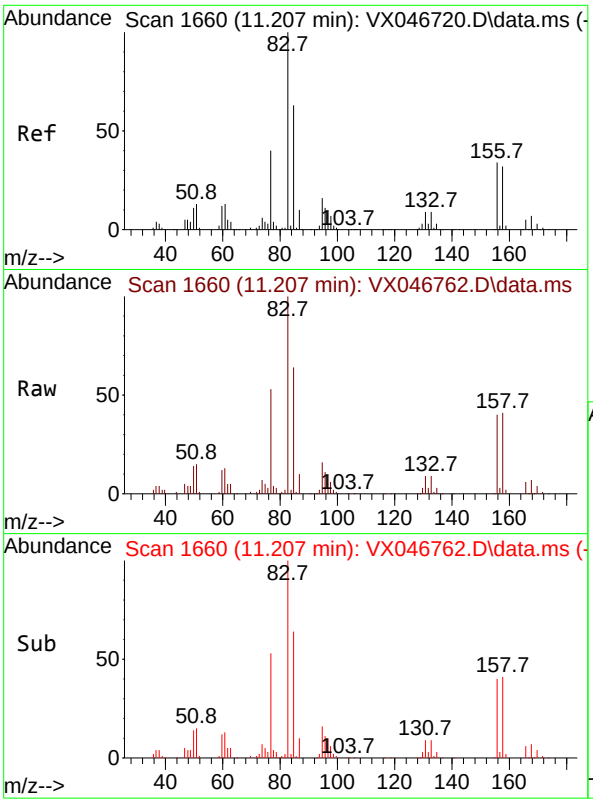



#74
N-amyl acetate
Concen: 15.893 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 46412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 33.4 | 50.0 |
| 55 | 24.2 | 19.1 | 28.7 |
| 61 | 23.0 | 19.0 | 28.4 |

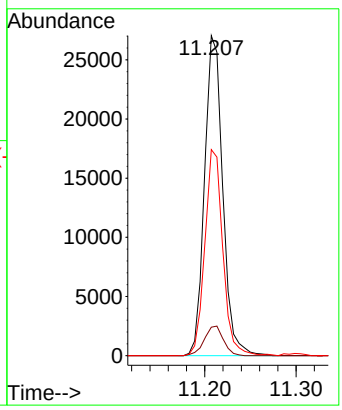





#75
1,1,2,2-Tetrachloroethane
Concen: 17.337 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 83 Resp: 3731

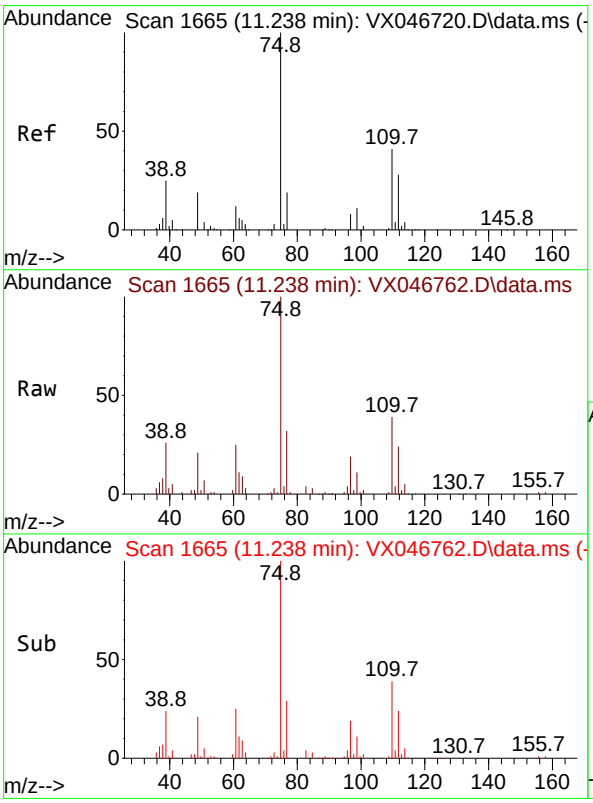
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 4.9 | 14.6 |
| 85 | 63.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

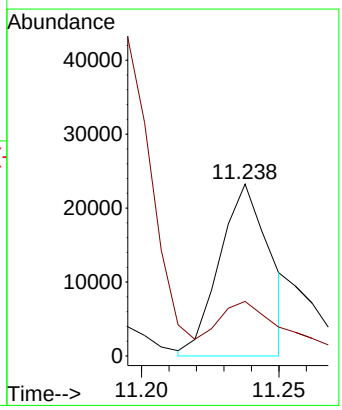
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

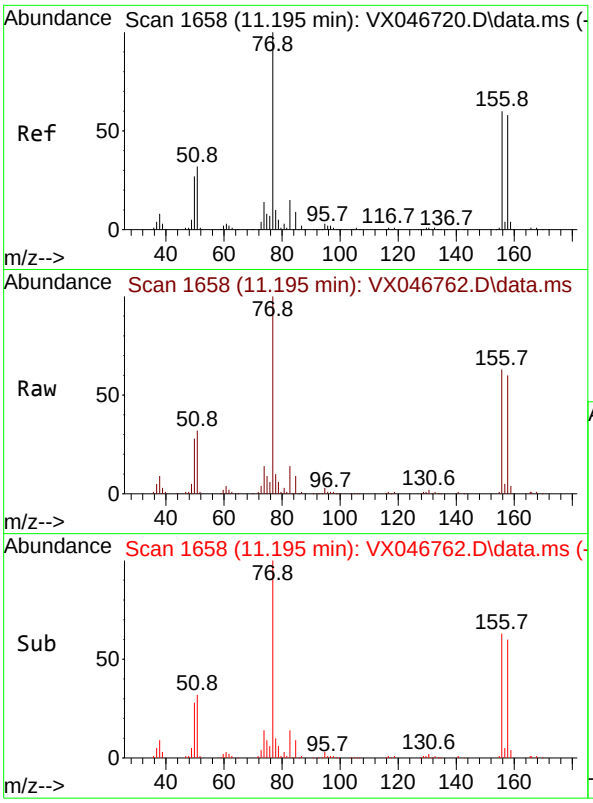



#76
1,2,3-Trichloropropane
Concen: 15.335 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 29393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.8 | 18.5 | 55.5 |

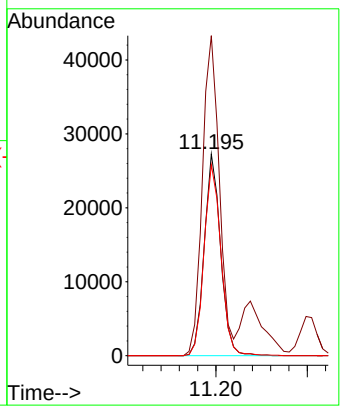





#77
Bromobenzene
Concen: 18.275 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:156 Resp: 3389

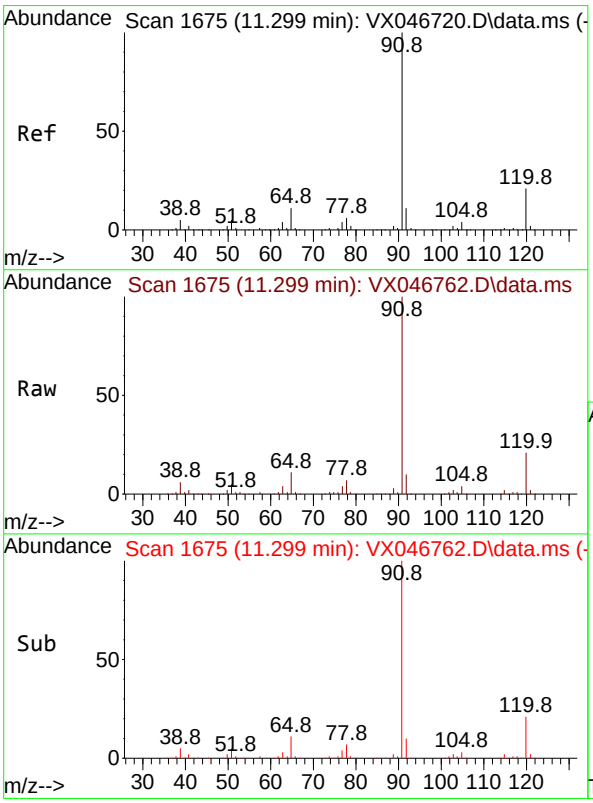
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.7 | 82.8 | 248.6 |
| 158 | 97.8 | 47.6 | 142.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

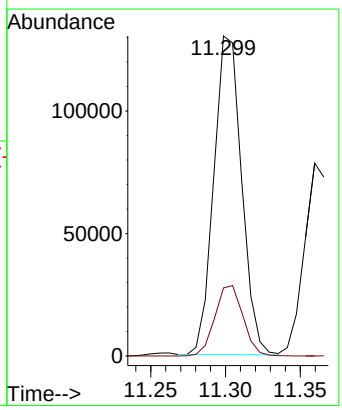
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

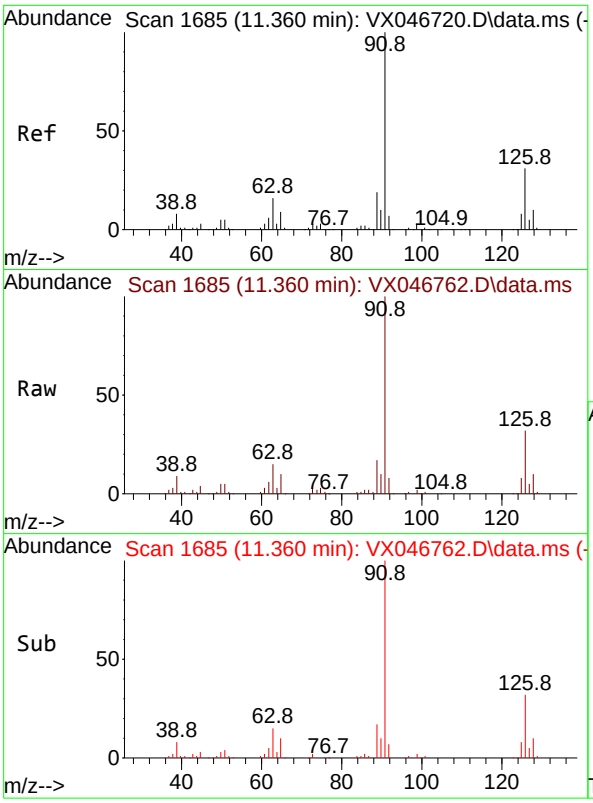



#78
n-propylbenzene
Concen: 18.415 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 168589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.4 | 34.1 |

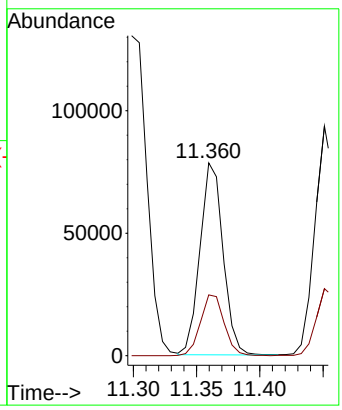





#79
2-Chlorotoluene
Concen: 18.238 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 9968

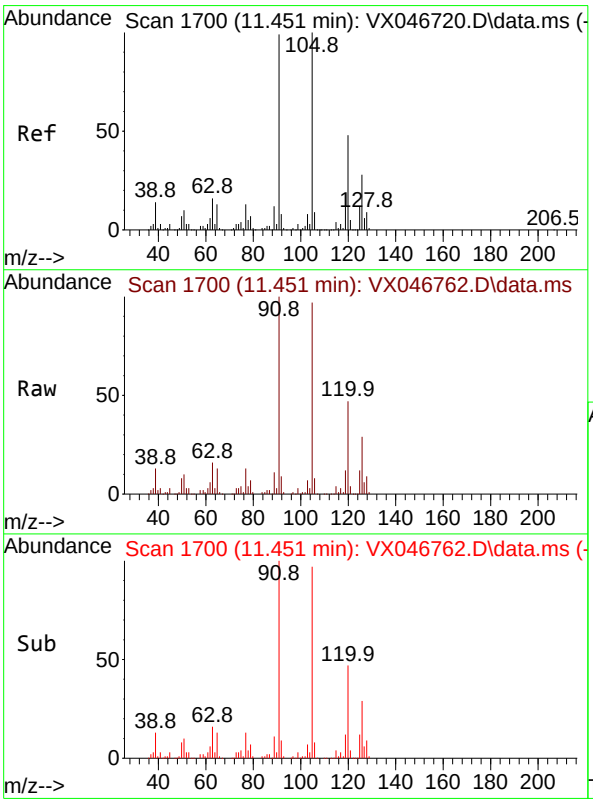
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.6 | 49.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

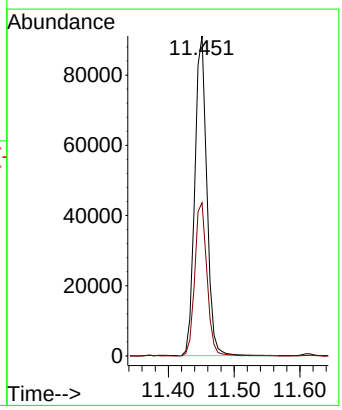
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

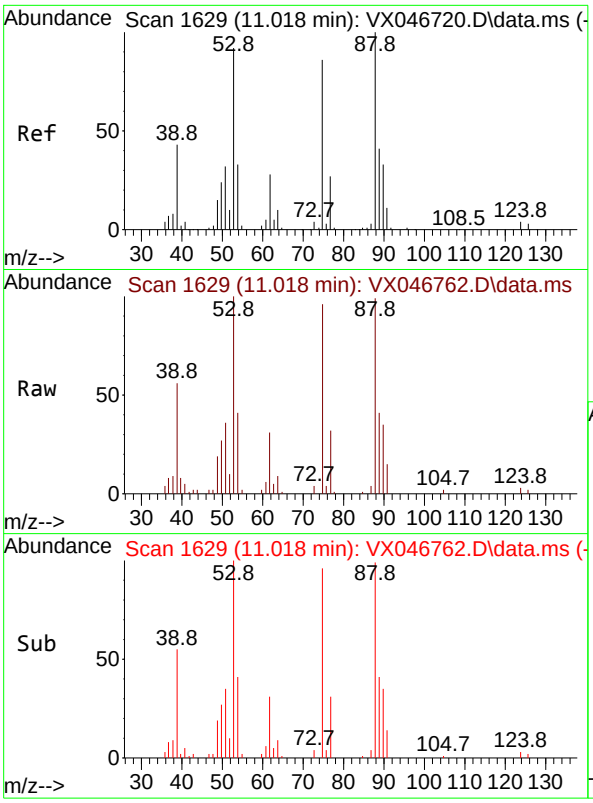



#80
1,3,5-Trimethylbenzene
Concen: 18.221 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 115409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.1 | 72.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 14.897 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

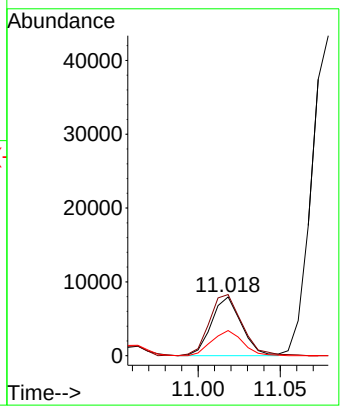
Tgt Ion: 75 Resp: 1010

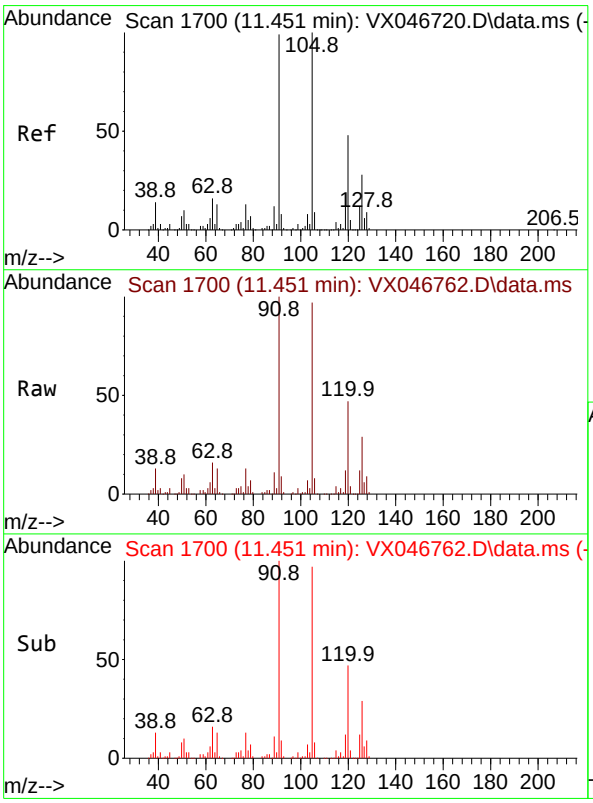
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.7 | 86.8 | 130.2 |
| 89 | 43.9 | 36.9 | 55.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

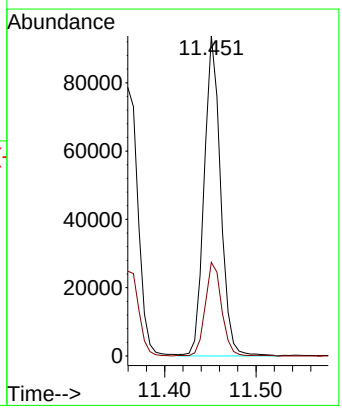


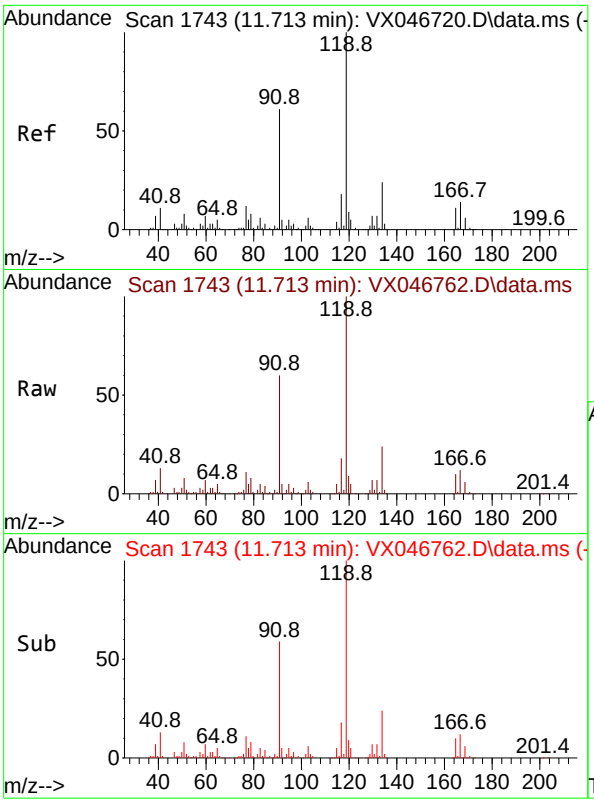




#82
4-Chlorotoluene
Concen: 18.296 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 116713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.4 | 43.2 |

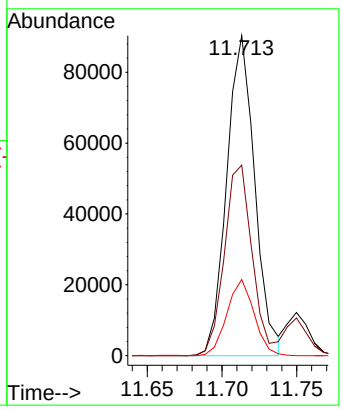





#83
tert-Butylbenzene
Concen: 18.027 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:119 Resp: 11802

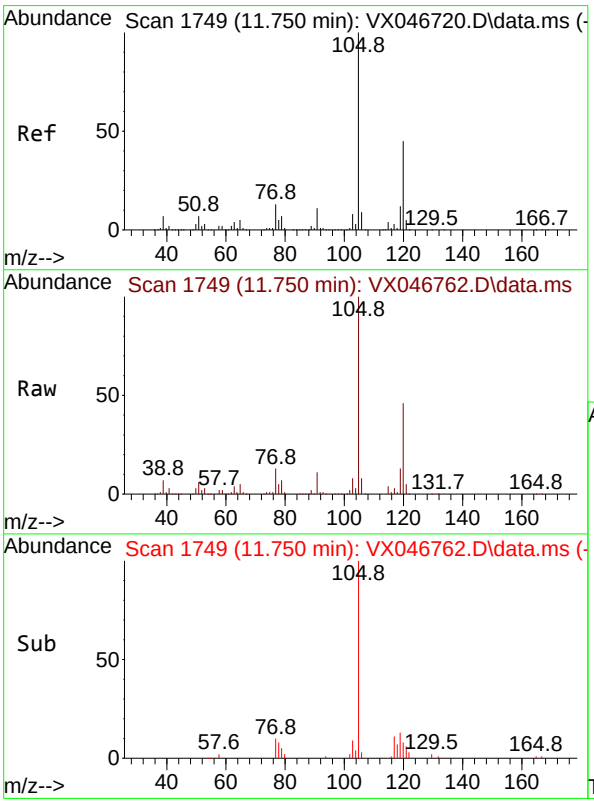
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

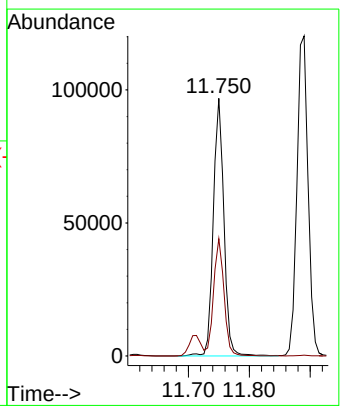
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

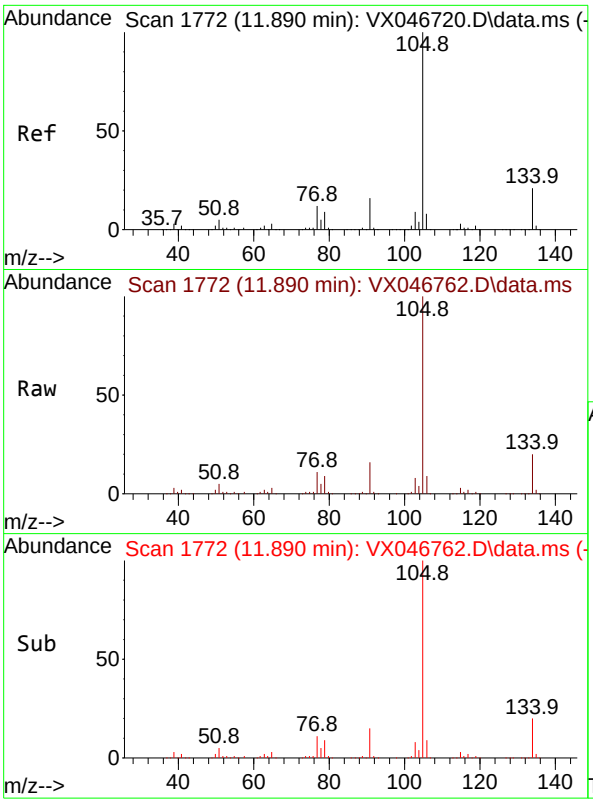



#84
1,2,4-Trimethylbenzene
Concen: 18.357 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 116817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.1 | 66.3 |

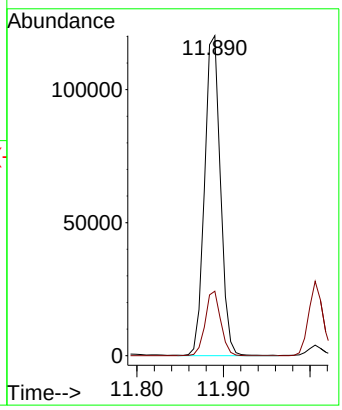





#85
sec-Butylbenzene
Concen: 18.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 15304

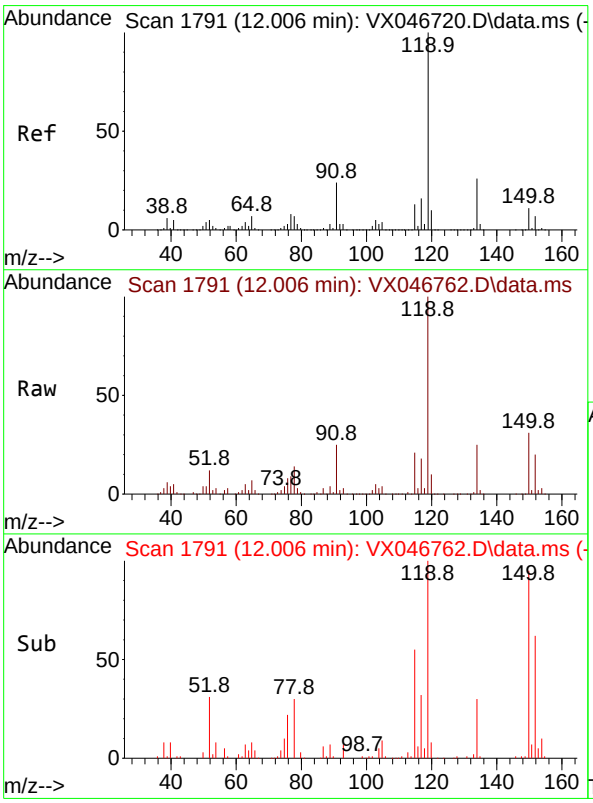
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

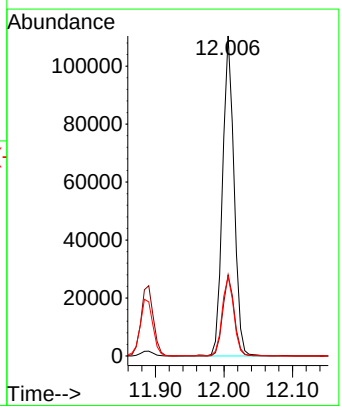
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

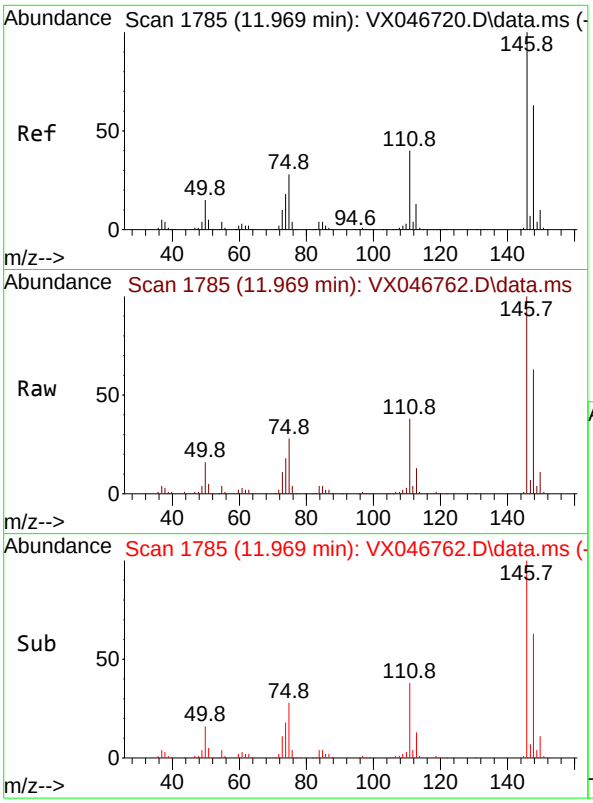



#86
p-Isopropyltoluene
Concen: 18.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:119 Resp: 127841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.9 | 38.7 |
| 91 | 25.2 | 12.3 | 36.9 |

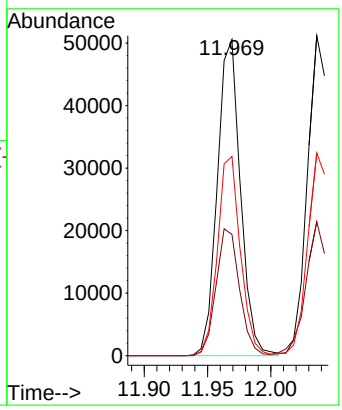





#87
1,3-Dichlorobenzene
Concen: 17.788 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:146 Resp: 6433

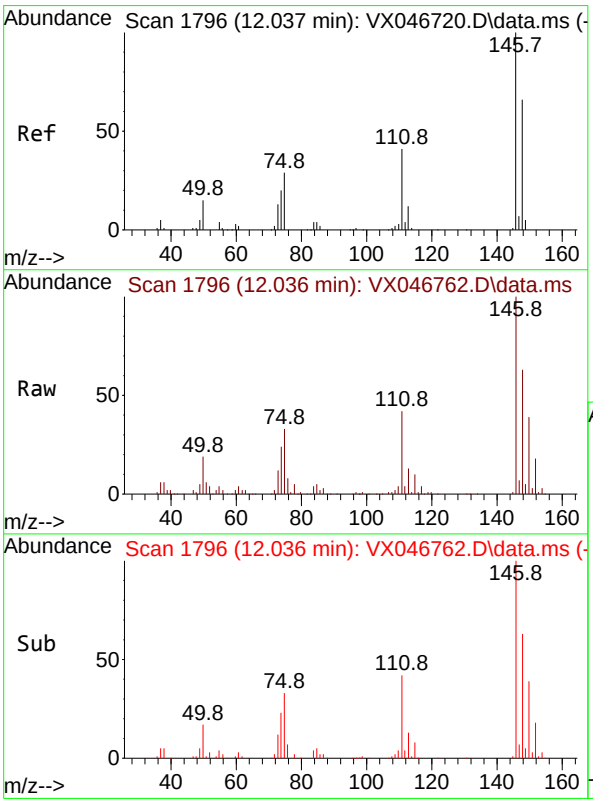
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 62.5 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

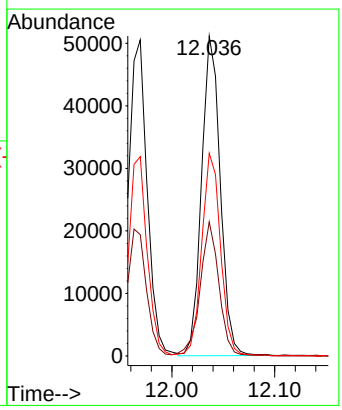
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

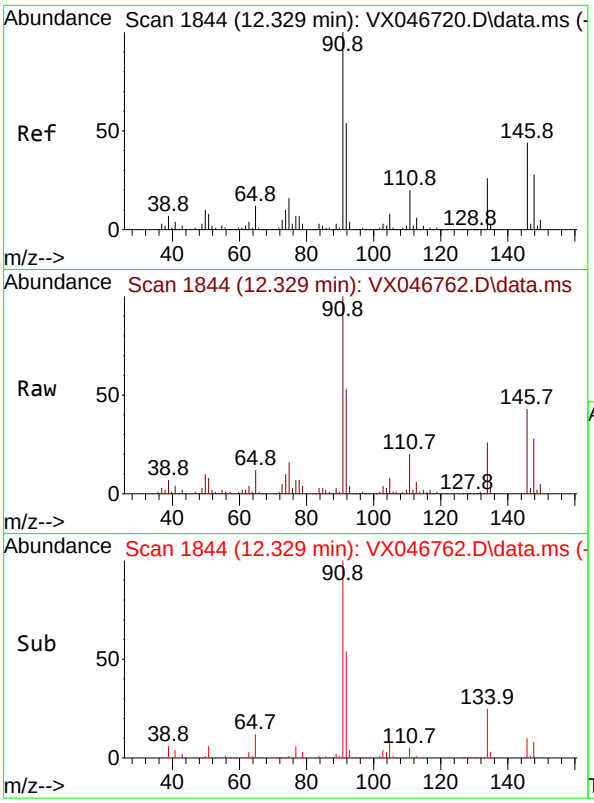



#88
1,4-Dichlorobenzene
Concen: 17.460 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:146 Resp: 64856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 20.3 | 61.0 |
| 148 | 64.0 | 32.1 | 96.5 |

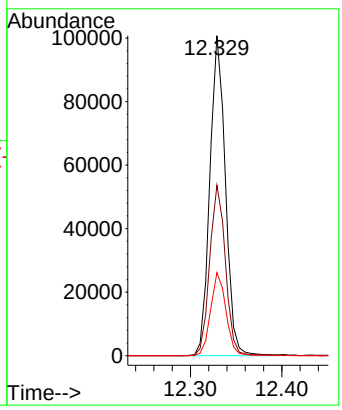





#89
n-Butylbenzene
Concen: 17.915 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 11875

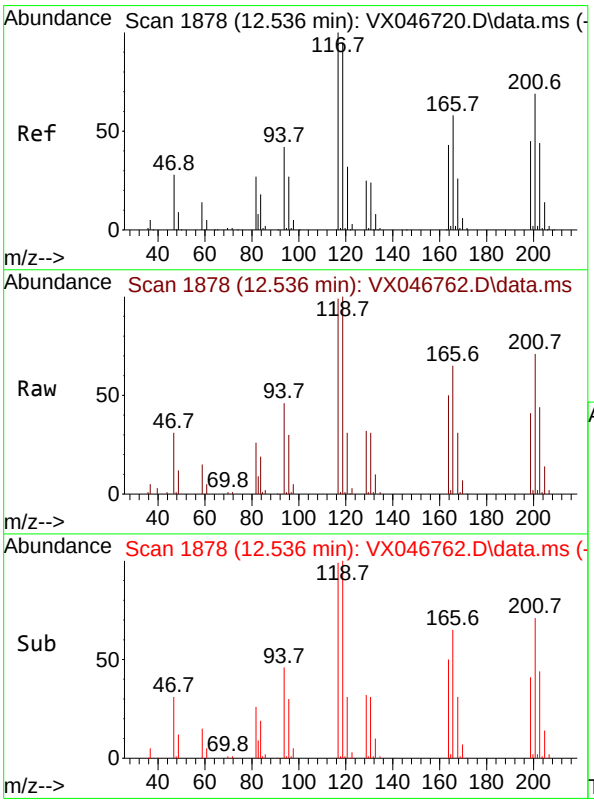
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

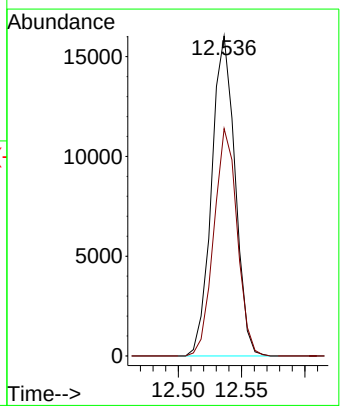
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

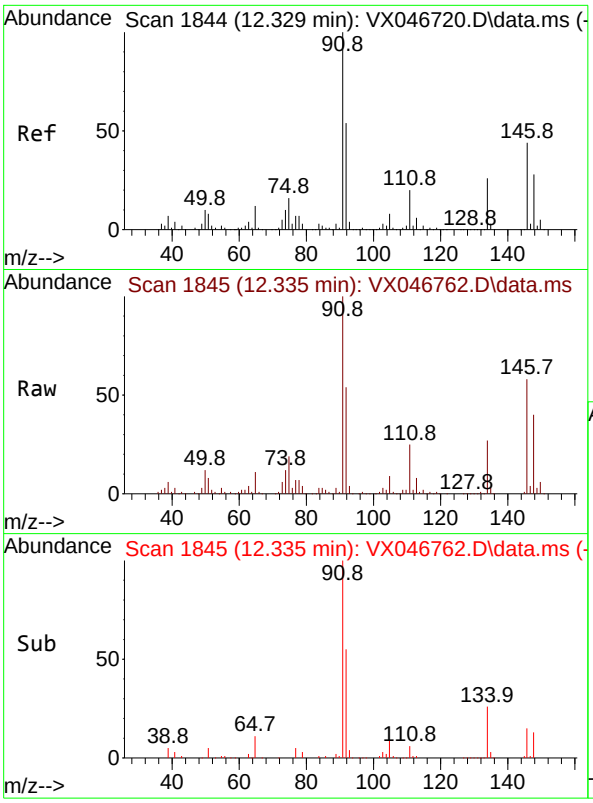



#90
Hexachloroethane
Concen: 16.893 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:117 Resp: 20652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |

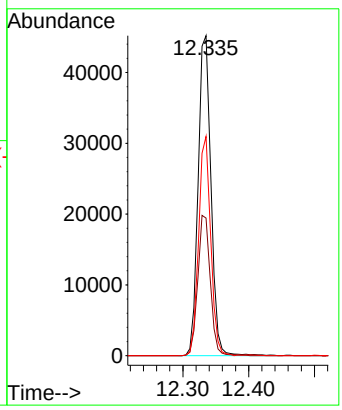





#91
1,2-Dichlorobenzene
Concen: 18.096 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:146 Resp: 6115

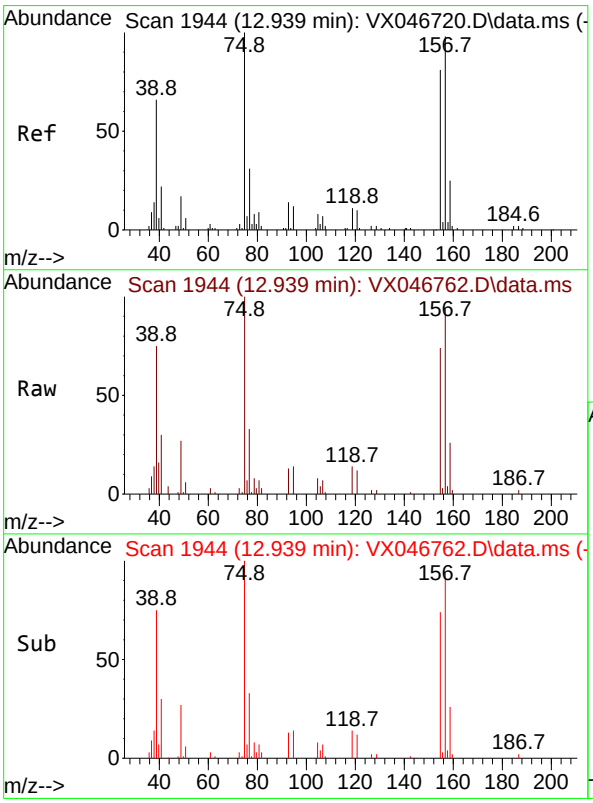
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.7 | 65.1 |
| 148 | 64.4 | 32.0 | 96.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations**
**APPROVED**

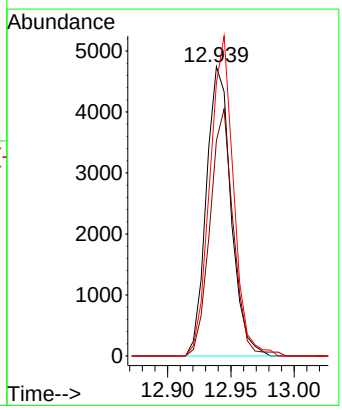
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

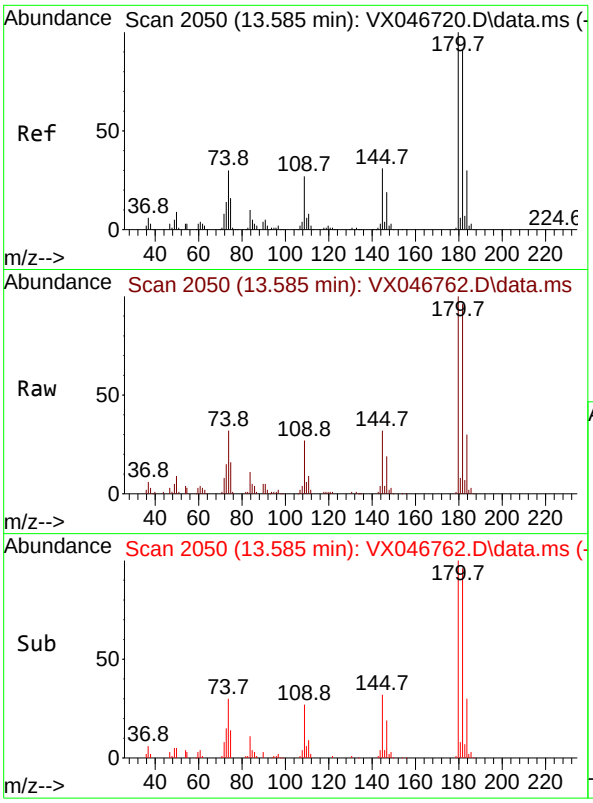



#92
1,2-Dibromo-3-Chloropropane
Concen: 15.122 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 6425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.9 | 41.9 | 125.7 |
| 157 | 105.8 | 51.4 | 154.3 |

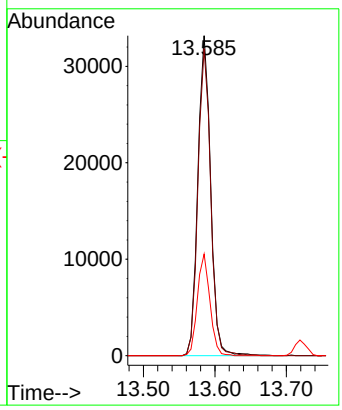





#93
1,2,4-Trichlorobenzene
Concen: 17.110 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:180 Resp: 4110

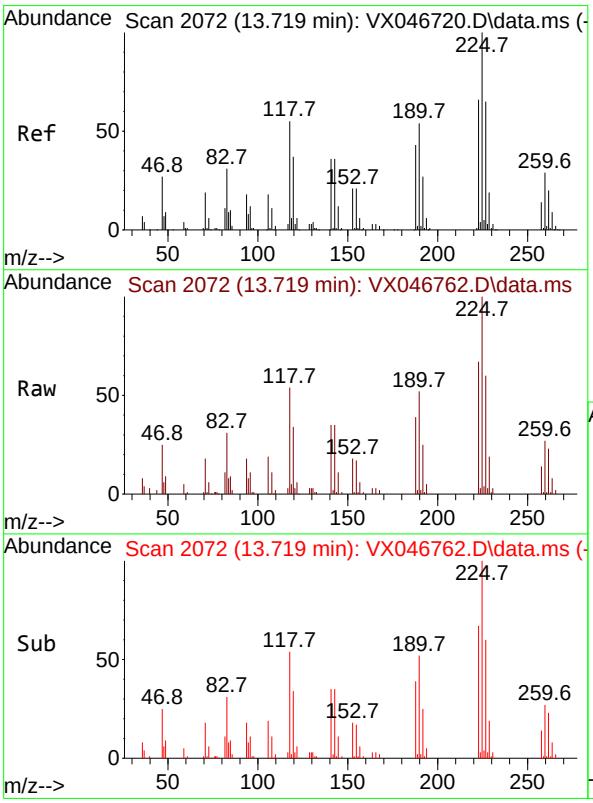
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.7 | 140.1 |
| 145 | 31.1 | 15.8 | 47.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

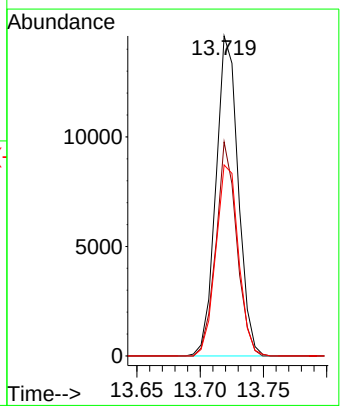
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

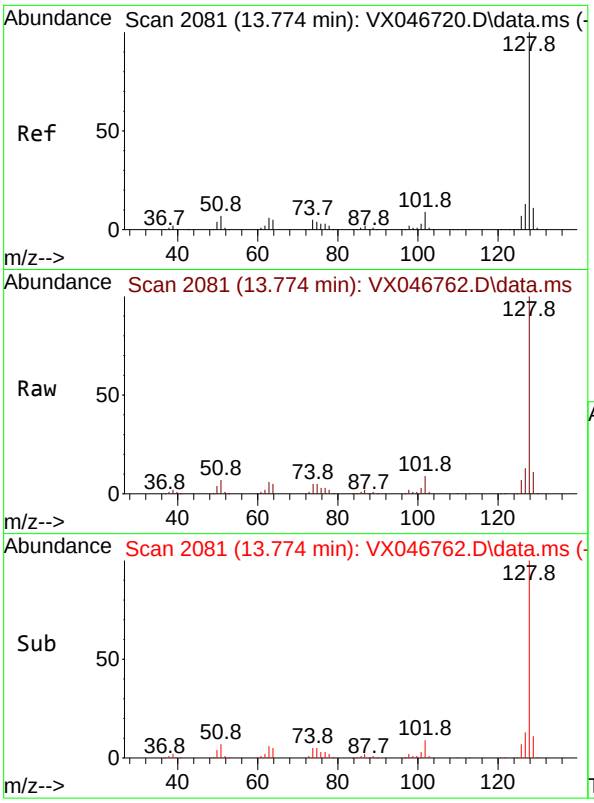



#94
Hexachlorobutadiene
Concen: 17.644 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:225 Resp: 17833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 32.5 | 97.5 |
| 227 | 61.1 | 32.2 | 96.6 |

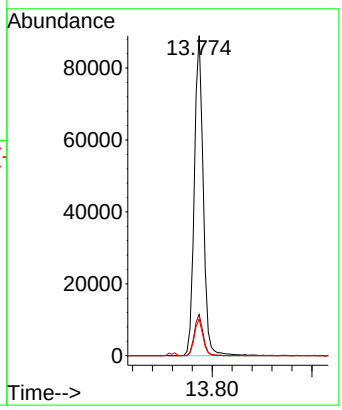





#95
Naphthalene
Concen: 16.144 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:128 Resp: 11050

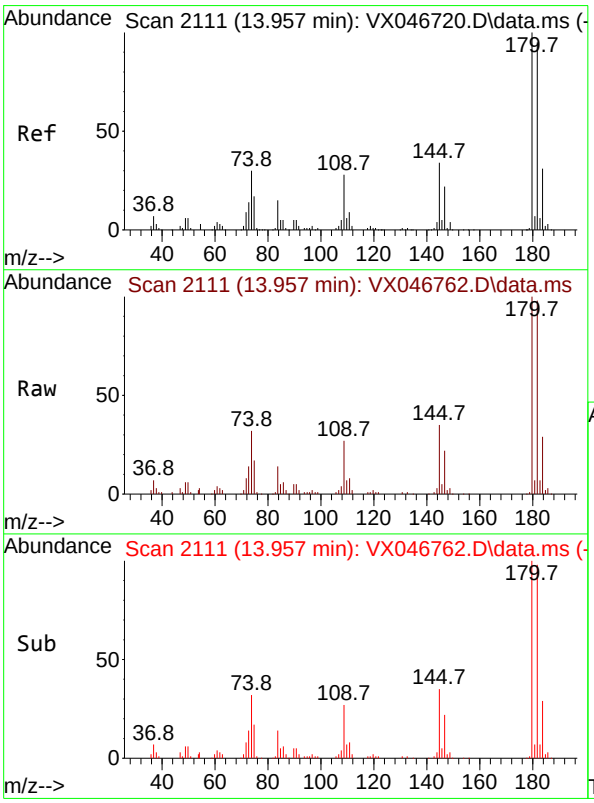
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.0 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

**Manual Integrations APPROVED**

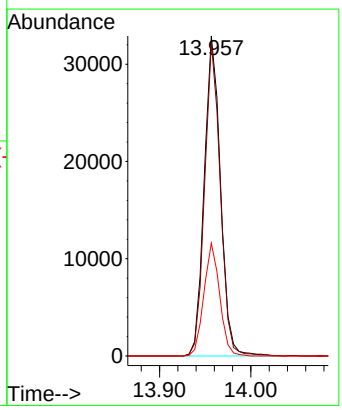
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.639 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:180 Resp: 40546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 47.8 | 143.4 |
| 145 | 34.2 | 17.3 | 51.9 |



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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MS | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-08MS | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046753.D | 1 | | 06/18/25 18:58 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 49.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 49.2 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 50.2 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 52.0 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 49.8 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 49.1 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 48.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 50.3 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 210 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 46.2 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 46.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 44.5 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 47.6 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 48.8 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 48.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 47.0 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 220 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 45.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 48.7 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 53.2 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 49.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 47.5 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 45.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 48.0 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 46.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 47.1 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 47.8 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 47.9 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 230 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 48.2 | | 0.14 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MS | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-08MS | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046753.D | 1 | | 06/18/25 18:58 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 46.5 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 45.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 47.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 220 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 47.5 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 47.6 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 44.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 46.8 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 46.6 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 95.0 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 48.2 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 47.7 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 44.8 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 47.1 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 45.8 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 44.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 43.2 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 45.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 42.6 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 43.8 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 45.2 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.6 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.1 | | 80 - 119 | | 104% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.3 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.7 | | 85 - 114 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 143000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 241000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 216000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 108000 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MS | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-08MS | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046753.D | 1 | | 06/18/25 18:58 | VX061825 |

| 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\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 143057 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 240999 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 215546 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 107663 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 100125 | 50.601 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.200% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 83040 | 52.078 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.160% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 294034 | 51.326 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 112496 | 52.679 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.360% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 76008 | 49.766 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 81165 | 49.235 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 88213 | 50.179 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 51420 | 51.989 | ug/l | 97 |
| 6) Chloroethane | 1.703 | 64 | 53067 | 49.805 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 131050 | 49.095 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 45738 | 49.928 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 79258 | 48.400 | ug/l | 98 |
| 10) Methyl Iodide | 2.471 | 142 | 86957 | 43.078 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 32255 | 181.614 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 79512 | 50.320 | ug/l | 96 |
| 13) Acrolein | 2.245 | 56 | 50890 | 196.722 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 136995 | 47.851 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 184725 | 231.310 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 137459 | 208.316 | ug/l | 99 |
| 17) Carbon Disulfide | 2.532 | 76 | 220641 | 46.240 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 74547 | 44.481 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 226770 | 46.091 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 87325 | 47.587 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 82513 | 48.802 | ug/l | 97 |
| 22) Diisopropyl ether | 3.769 | 45 | 275002 | 49.974 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1000170 | 228.560 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 151111 | 48.365 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 209888 | 224.903 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 95144 | 41.752 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 96805 | 48.734 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 75384 | 53.219 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 139690 | 231.740 | ug/l | 98 |
| 30) Chloroform | 5.105 | 83 | 154343 | 49.396 | ug/l | 95 |
| 31) Cyclohexane | 5.483 | 56 | 139222 | 46.988 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 130295 | 47.547 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 107903 | 46.878 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 88092 | 41.462 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 114481 | 45.829 | ug/l | 97 |
| 39) Methylcyclohexane | 7.385 | 83 | 138147 | 45.609 | ug/l | 97 |
| 40) Benzene | 6.043 | 78 | 326964 | 47.998 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 56237 | 49.649 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 112027 | 46.799 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 145020 | 43.619 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 81750 | 47.090 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 80645 | 47.769 | ug/l | | 95 |
| 46) Dibromomethane | 7.586 | 93 | 57324 | 47.246 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 118579 | 47.892 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 79176 | 47.484 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17262 | 719.791 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 455997 | 229.964 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 203758 | 48.249 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 106926 | 46.544 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 119567 | 45.847 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 74068 | 47.065 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109702 | 47.221 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 129477 | 47.775 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 307148 | 224.056 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 88044 | 47.473 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 76228 | 47.618 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 66644 | 44.627 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 222717 | 46.808 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74860 | 46.814 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 387344 | 46.592 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 294272 | 94.996 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 140037 | 48.237 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 242311 | 47.694 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54530 | 44.776 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 373743 | 47.134 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 129233 | 43.017 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101482 | 45.835 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 92626m | 46.974 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 88274 | 46.262 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 441193 | 46.845 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 259099 | 46.077 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 304450 | 46.723 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28127 | 40.319 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 298520 | 45.488 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 311816 | 46.294 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 300943 | 45.969 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 395643 | 46.478 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 327245 | 45.563 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 164088 | 44.104 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 165148 | 43.216 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 308237 | 45.200 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 56259 | 44.731 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 159052 | 45.747 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18614 | 42.584 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 108363 | 43.840 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45456 | 43.717 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 315902 | 44.859 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 106849 | 45.185 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

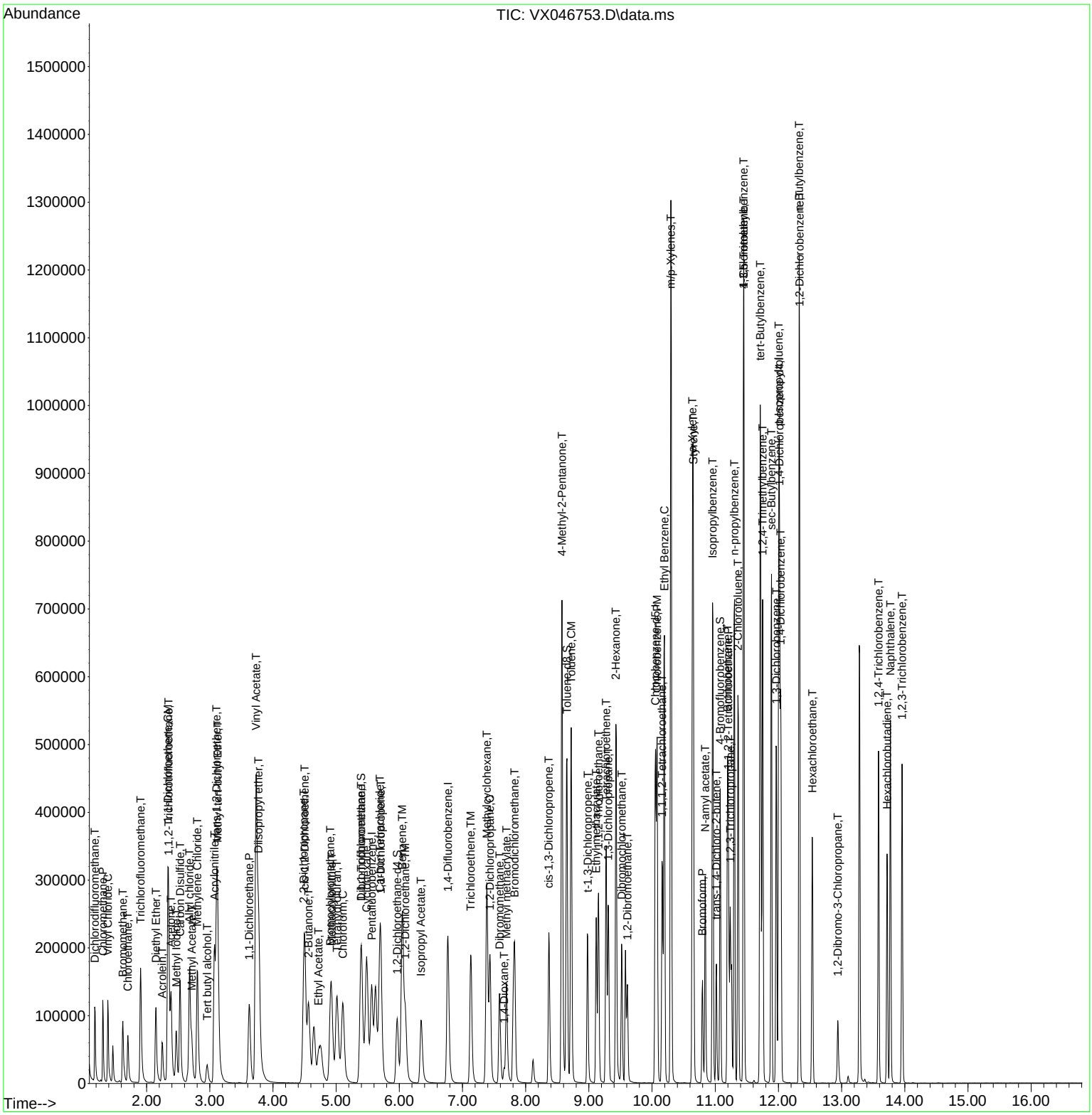
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

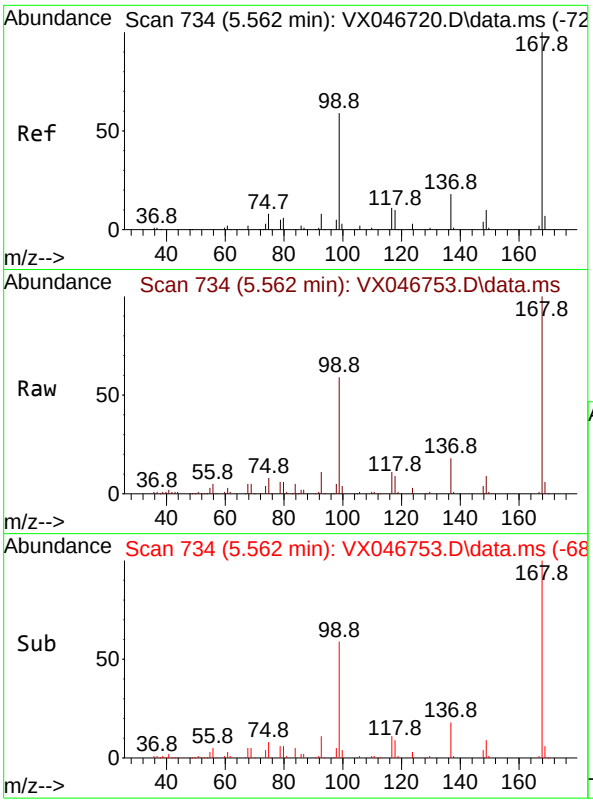
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QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

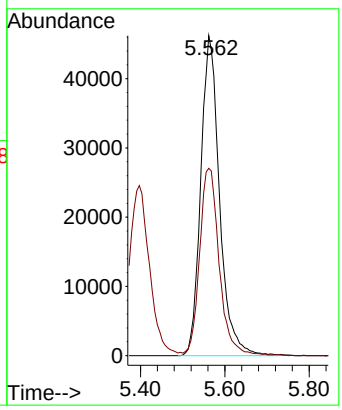





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:168 Resp: 14305

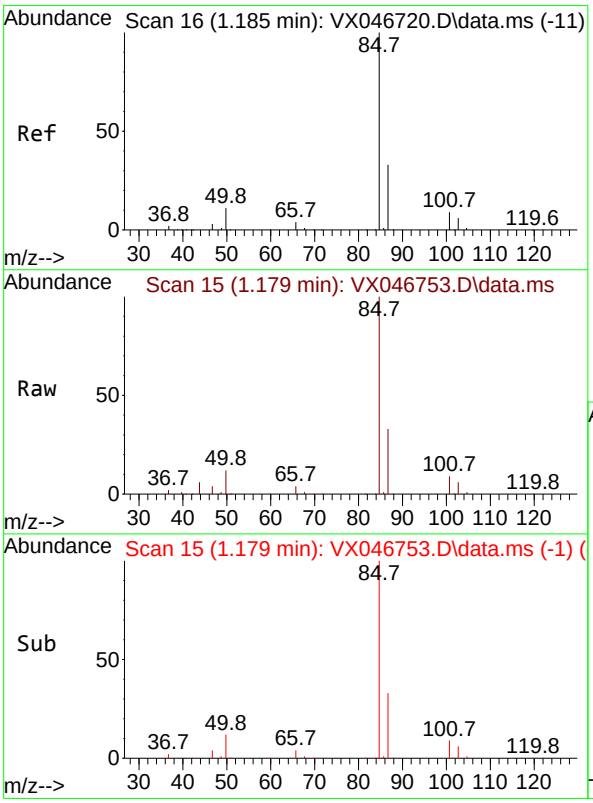
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.3 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

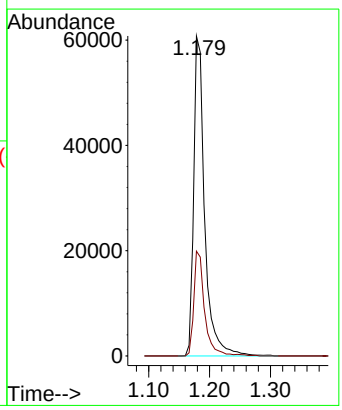
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

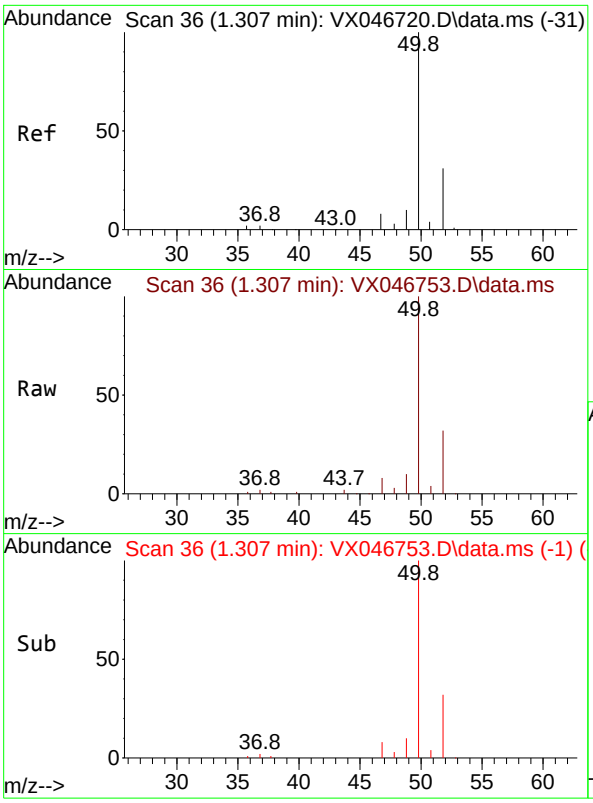



#2
Dichlorodifluoromethane
Concen: 49.766 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 85 Resp: 76008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 16.6 | 49.8 |

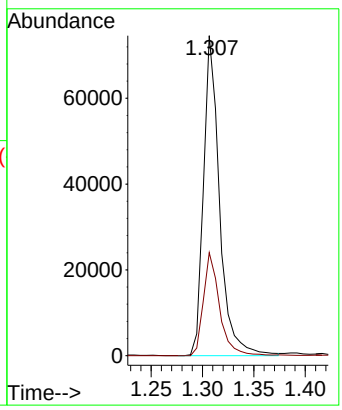





#3
Chloromethane
Concen: 49.235 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 50 Resp: 8116

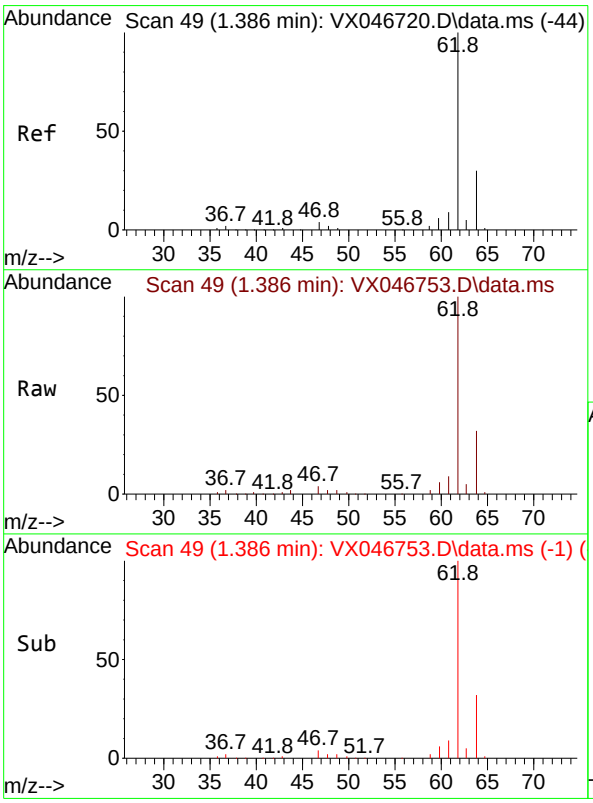
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

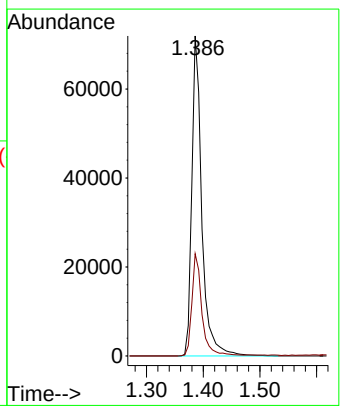
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

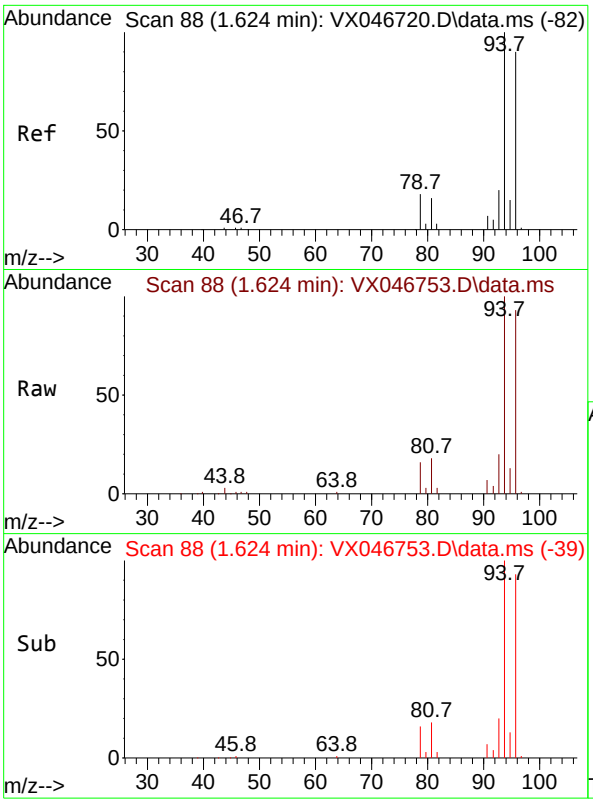



#4
Vinyl Chloride
Concen: 50.179 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 62 Resp: 88213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |

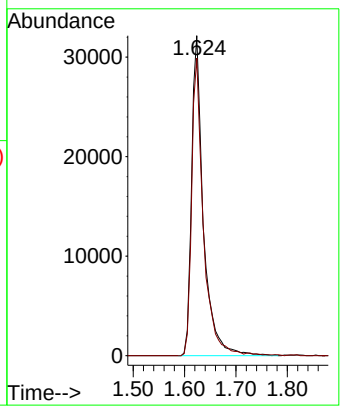





#5
Bromomethane
Concen: 51.989 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 94 Resp: 5142

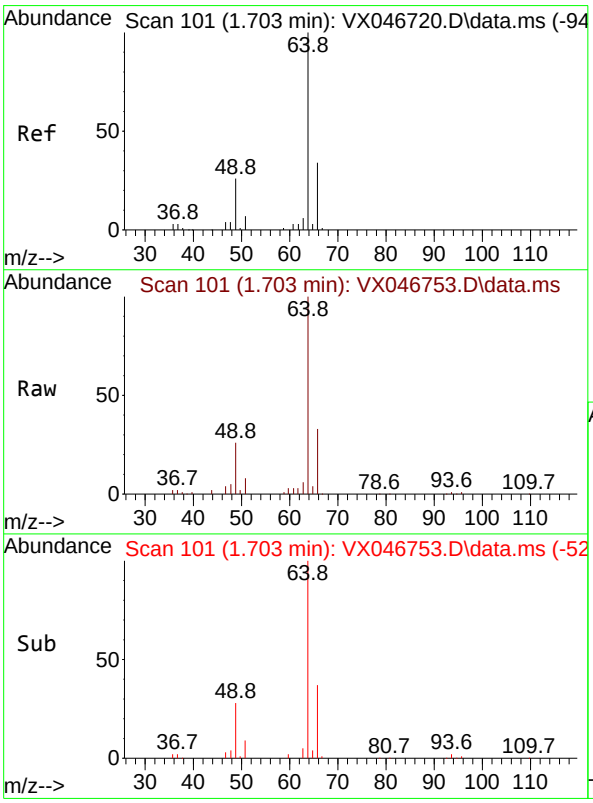
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.0 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

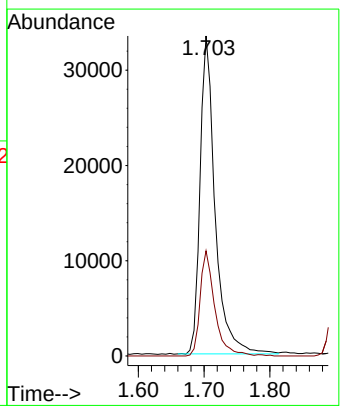
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

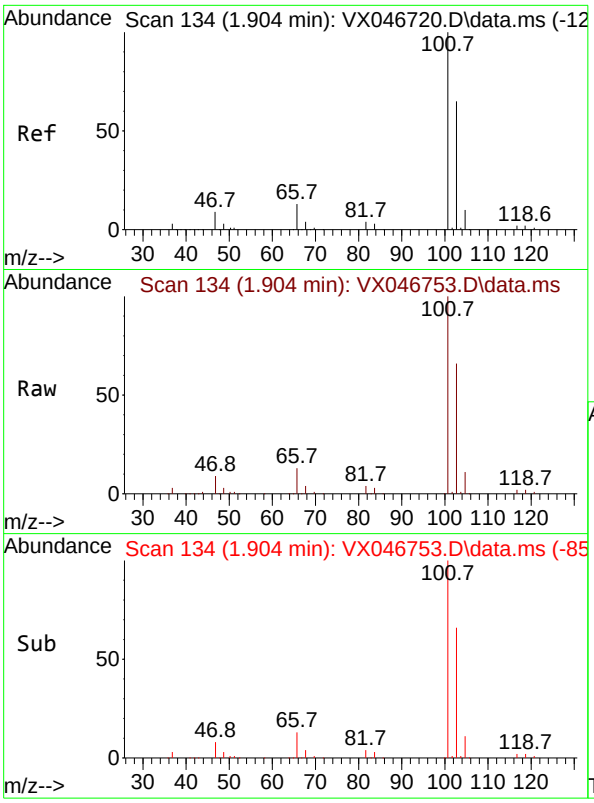



#6
Chloroethane
Concen: 49.805 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 64 Resp: 53067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.1 | 27.1 | 40.7 |

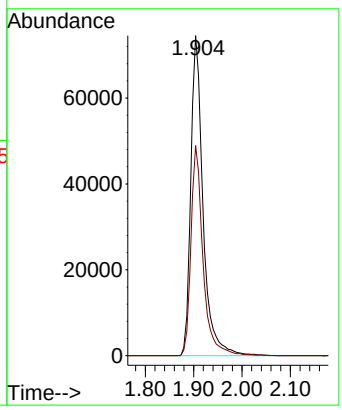





#7
Trichlorofluoromethane
Concen: 49.095 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:101 Resp: 13105

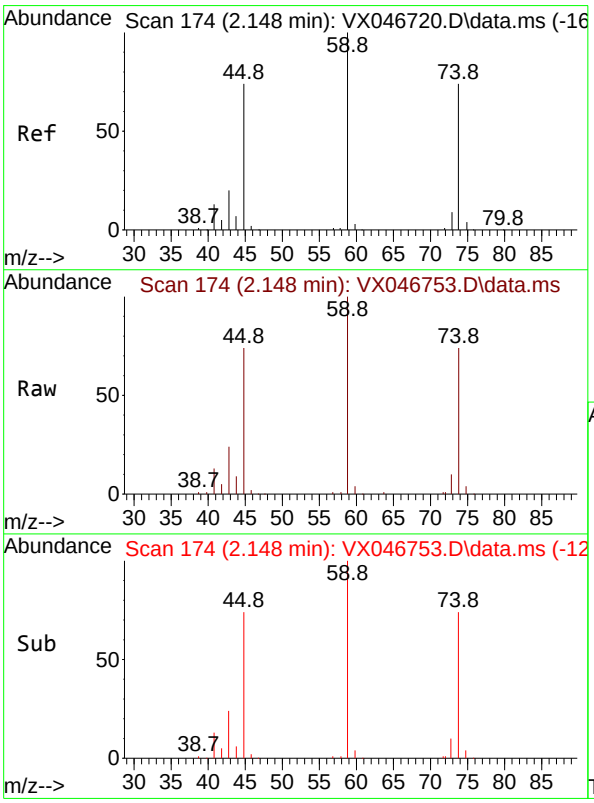
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

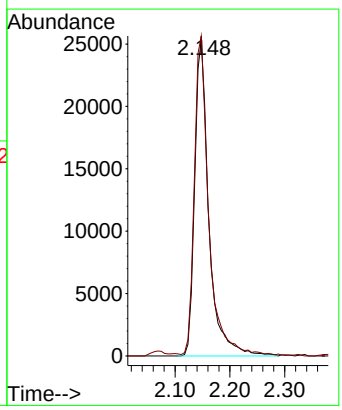
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

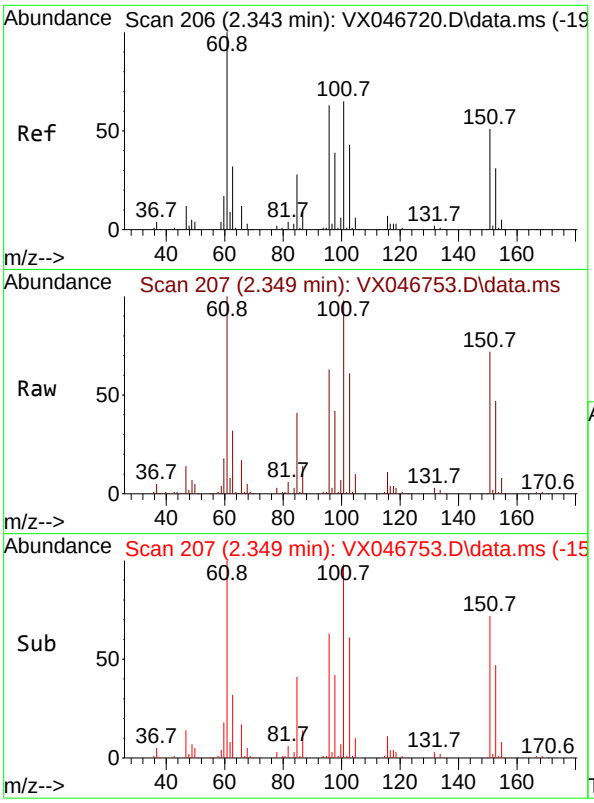



#8
Diethyl Ether
Concen: 49.928 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 74 Resp: 45738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.8 | 52.3 | 157.1 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.400 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

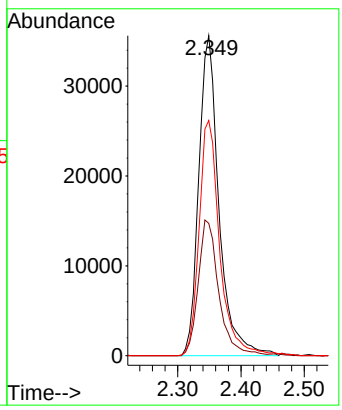
Tgt Ion:101 Resp: 7925

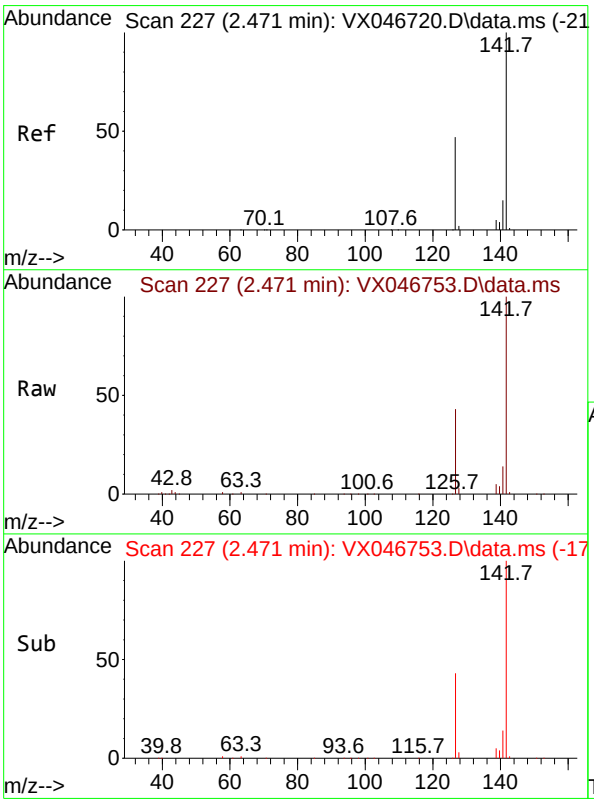
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.1 | 35.4 | 53.0 |
| 151 | 75.3 | 61.2 | 91.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

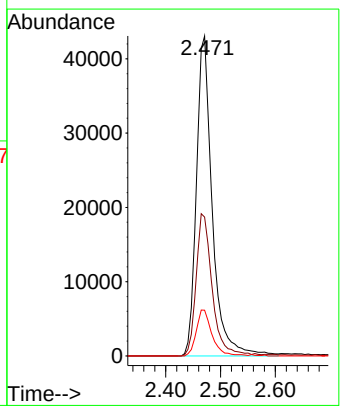


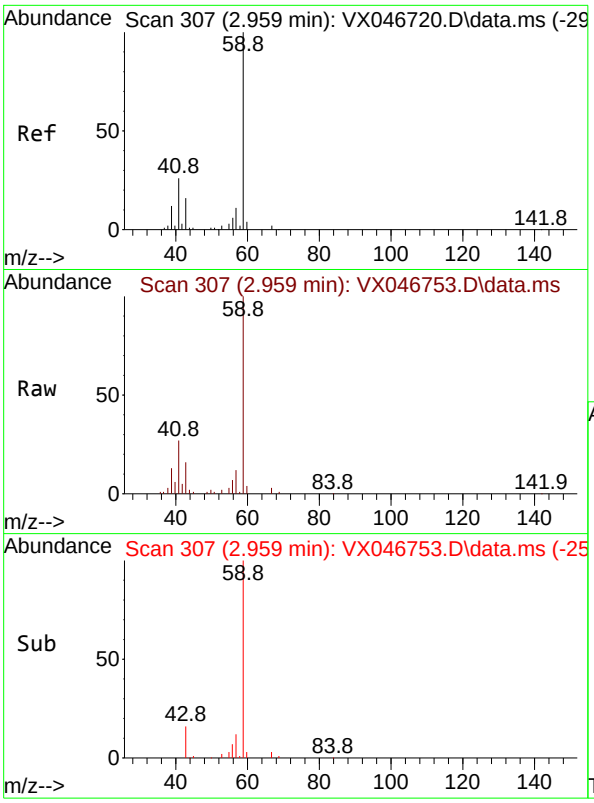




#10
Methyl Iodide
Concen: 43.078 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:142 Resp: 86957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.1 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |

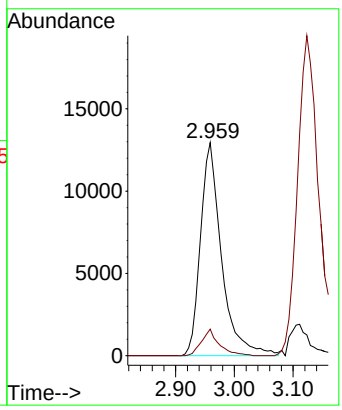





#11
Tert butyl alcohol
Concen: 181.614 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 59 Resp: 3225

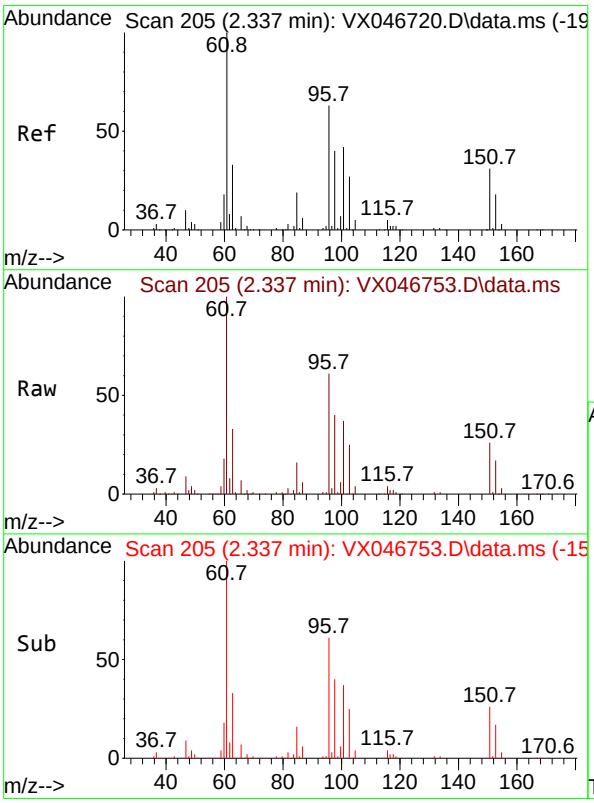
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

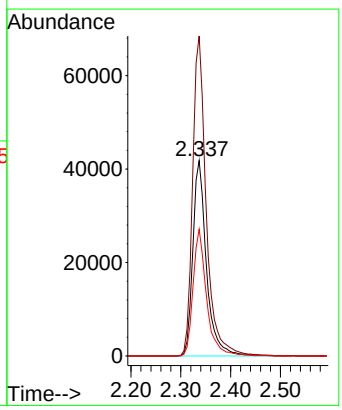
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

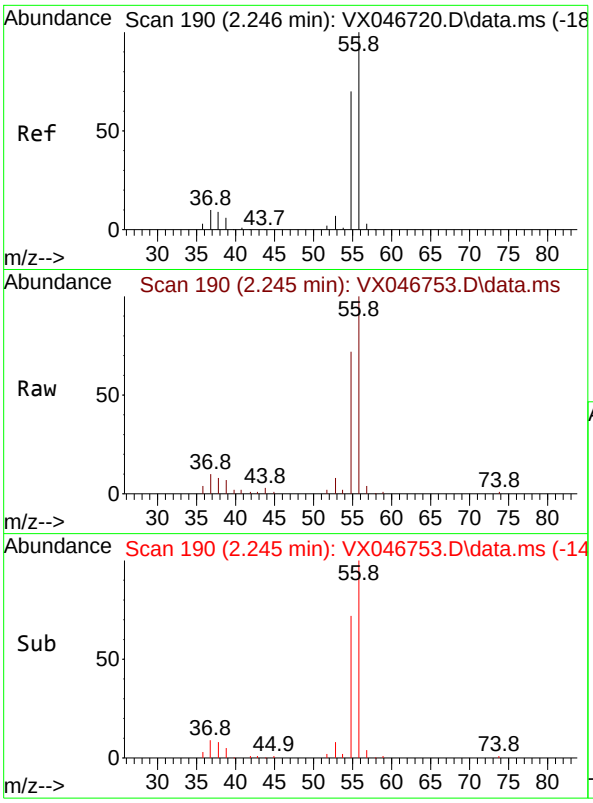



#12
1,1-Dichloroethene
Concen: 50.320 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 96 Resp: 79512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 126.6 | 189.8 |
| 98 | 64.9 | 50.7 | 76.1 |

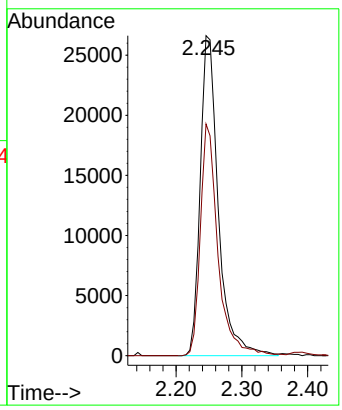





#13
Acrolein
Concen: 196.722 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 56 Resp: 5089

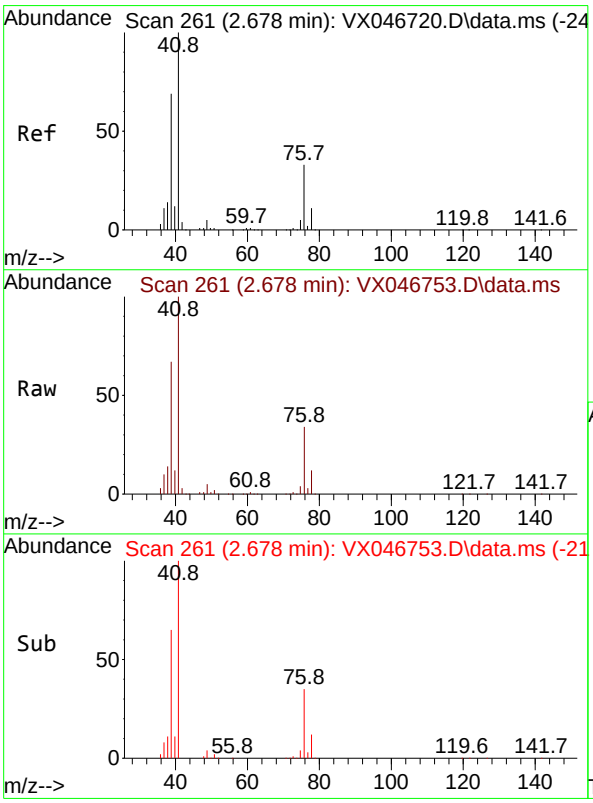
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

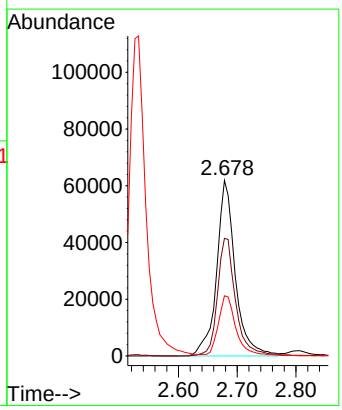
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

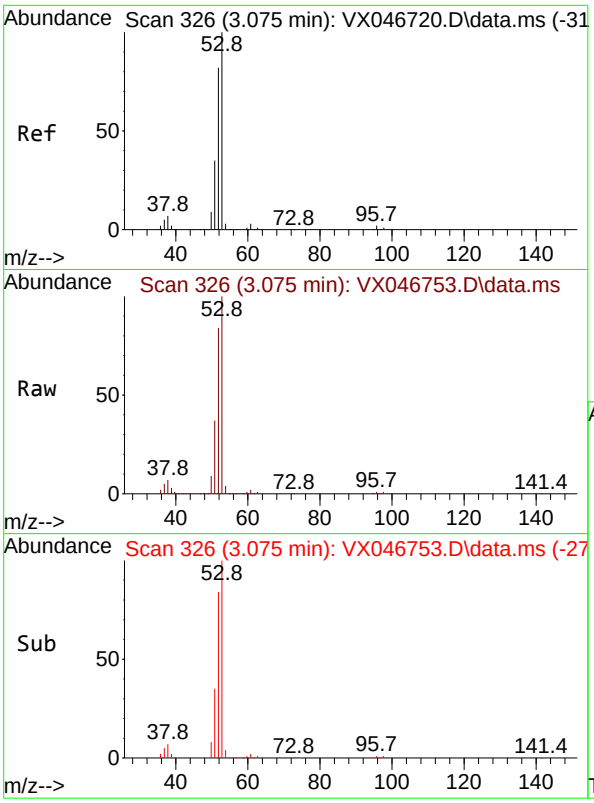



#14
Allyl chloride
Concen: 47.851 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 41 Resp: 136995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.8 | 53.6 | 80.4 |
| 76 | 32.9 | 26.8 | 40.2 |

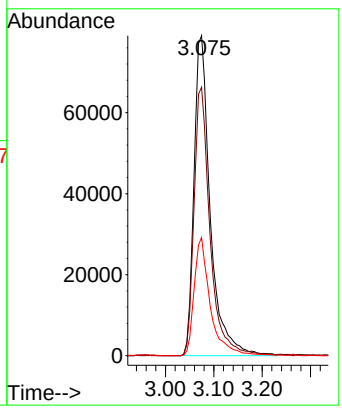





#15
Acrylonitrile
Concen: 231.310 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 53 Resp: 18472

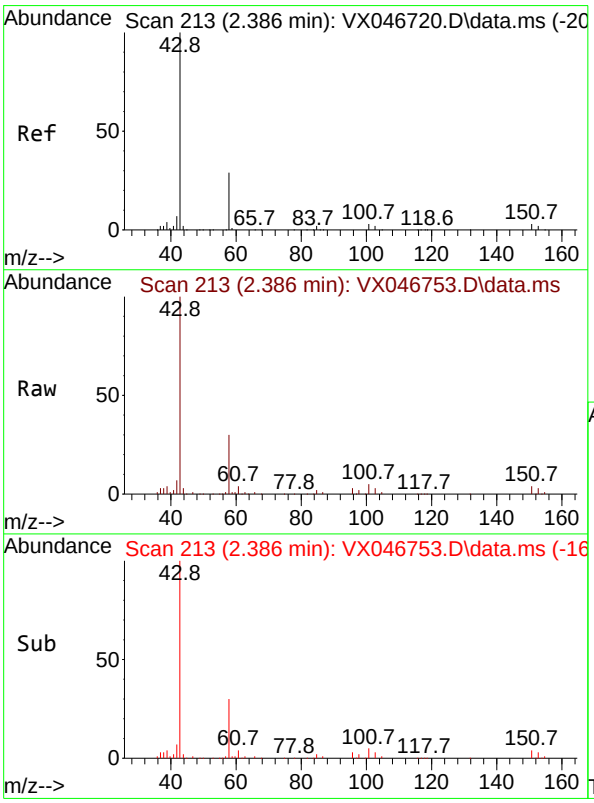
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.8 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

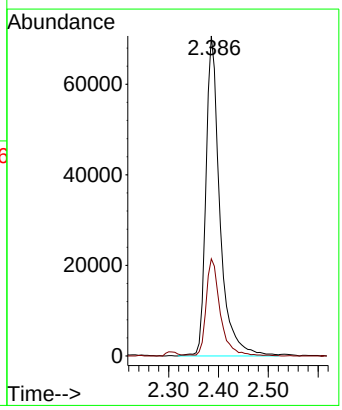
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

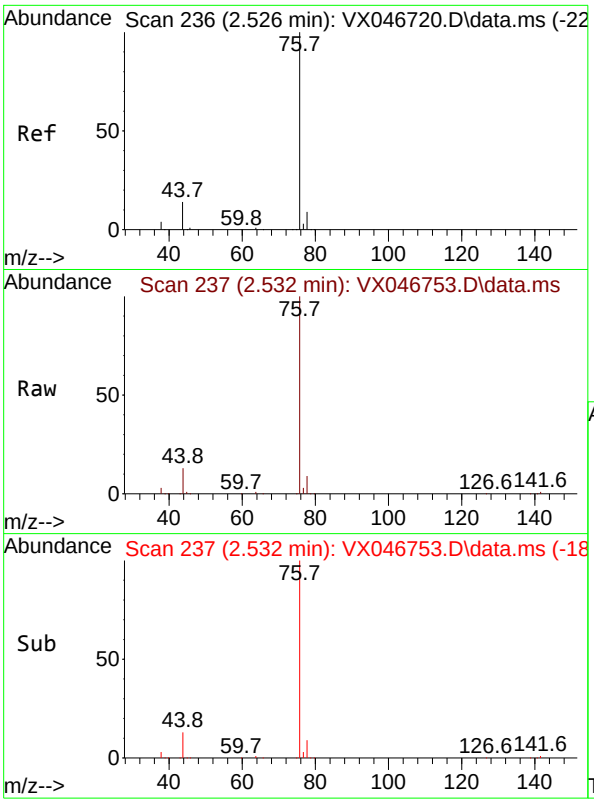



#16
Acetone
Concen: 208.316 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 137459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.3 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 46.240 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

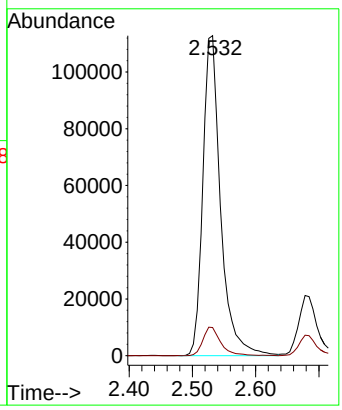
Tgt Ion: 76 Resp: 22064

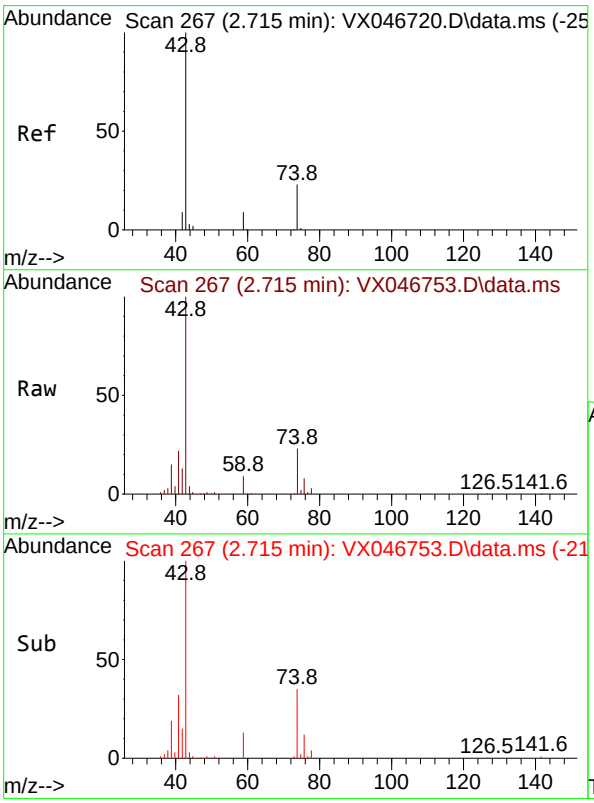
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

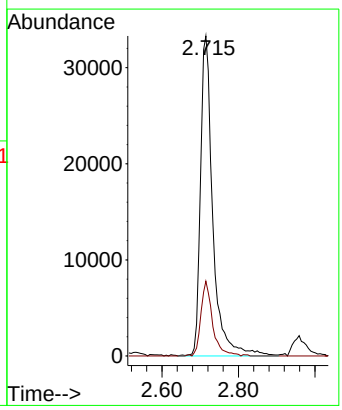


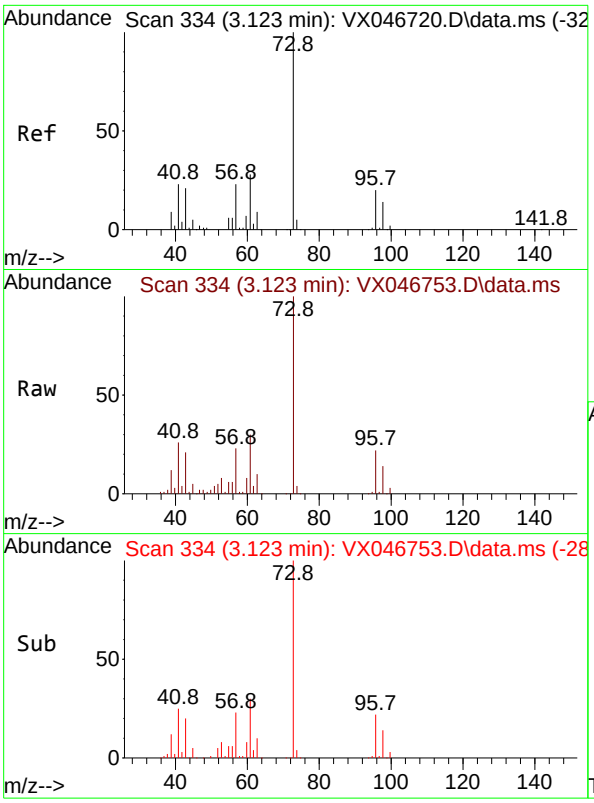




#18
Methyl Acetate
Concen: 44.481 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 74547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 18.4 | 27.6 |






#19
Methyl tert-butyl Ether
Concen: 46.091 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

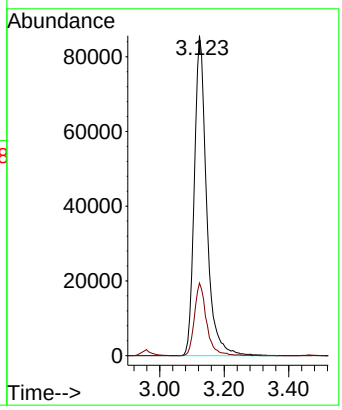
Tgt Ion: 73 Resp: 22677

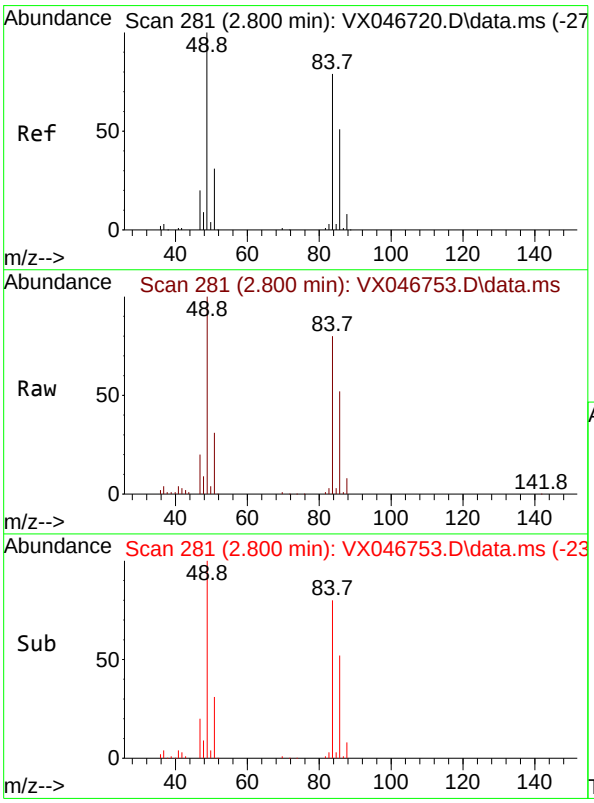
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

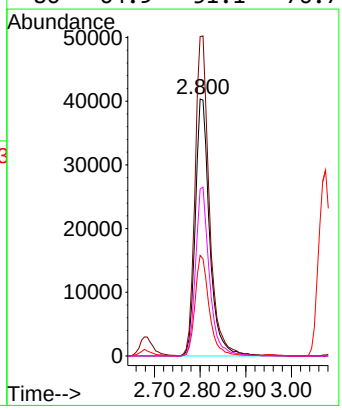


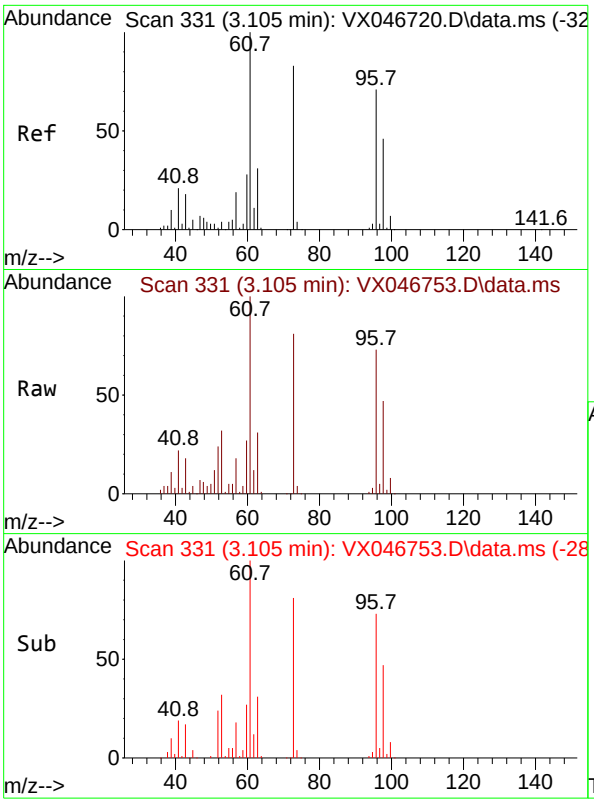




#20
Methylene Chloride
Concen: 47.587 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 84 Resp: 87325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.3 | 101.3 | 151.9 |
| 51 | 39.1 | 31.0 | 46.6 |
| 86 | 64.9 | 51.1 | 76.7 |

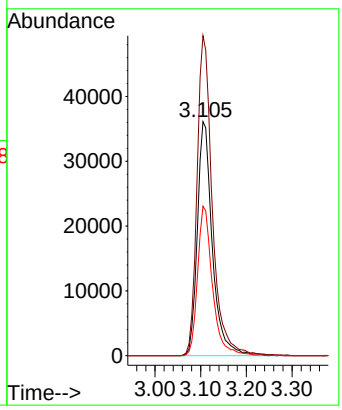





#21
trans-1,2-Dichloroethene
Concen: 48.802 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 96 Resp: 8251

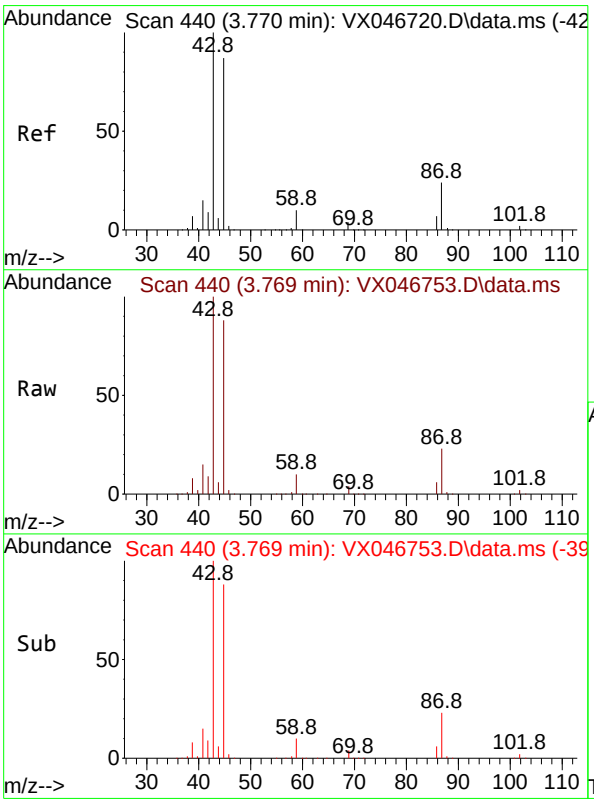
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.7 | 112.5 | 168.7 |
| 98 | 63.8 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

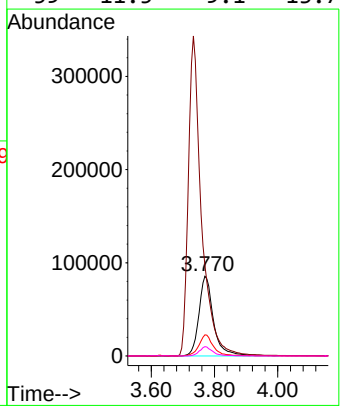
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

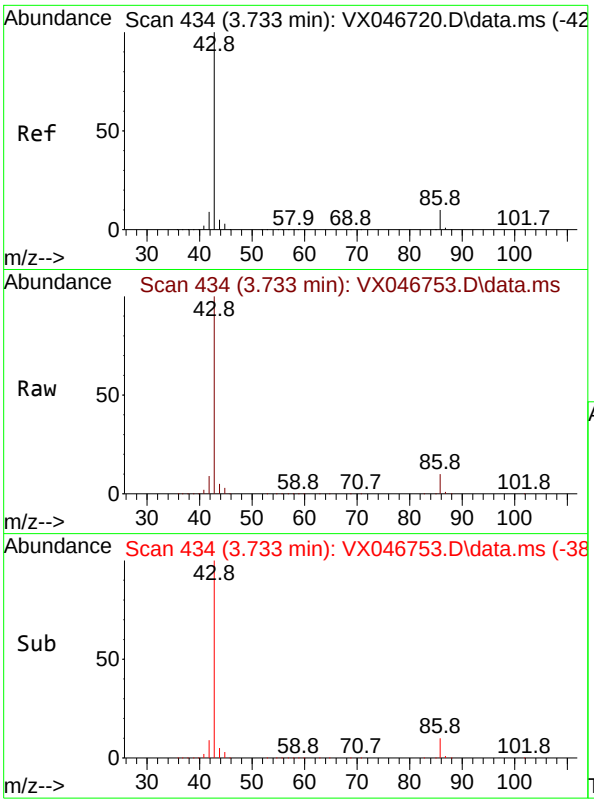



#22
Diisopropyl ether
Concen: 49.974 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 45 Resp: 275002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 113.3 | 91.9 | 137.9 |
| 87 | 26.6 | 22.0 | 33.0 |
| 59 | 11.5 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 228.560 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

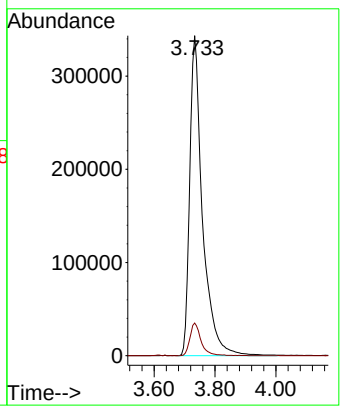
Tgt Ion: 43 Resp: 100017

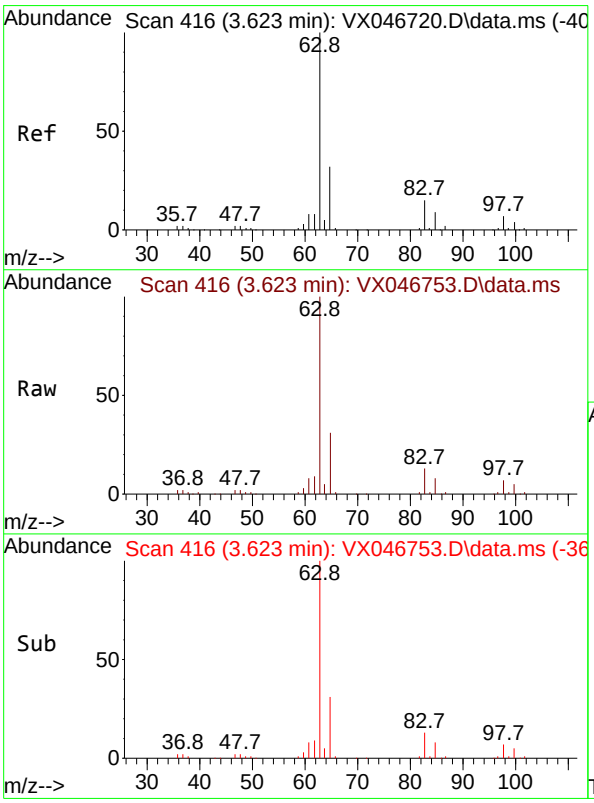
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

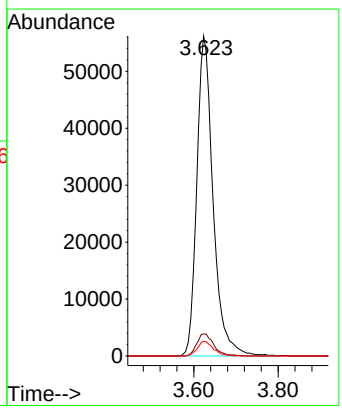


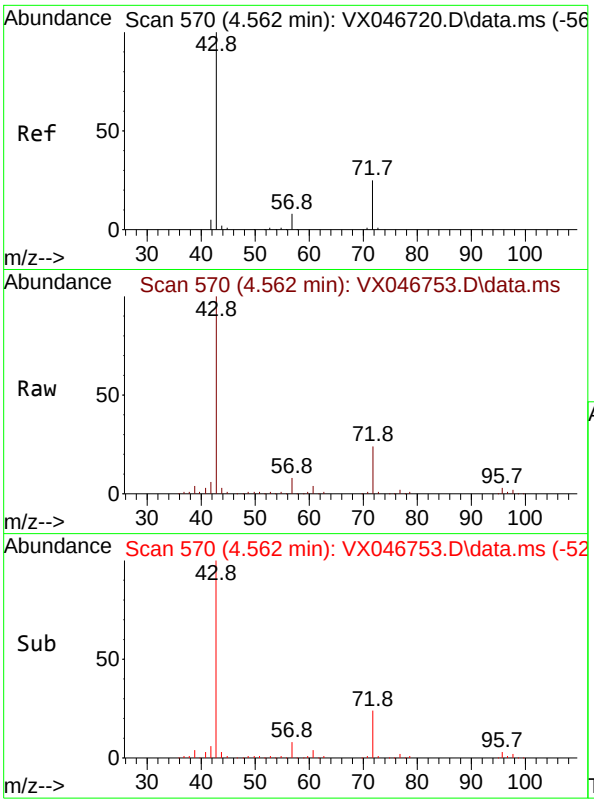




#24
1,1-Dichloroethane
Concen: 48.365 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 63 Resp: 151111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |

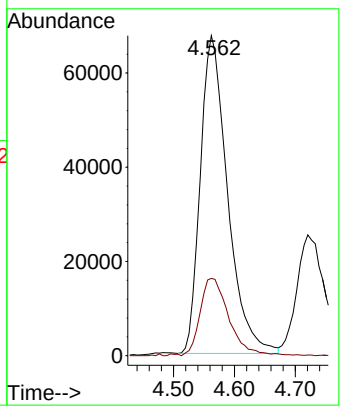





#25
2-Butanone
Concen: 224.903 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 20988

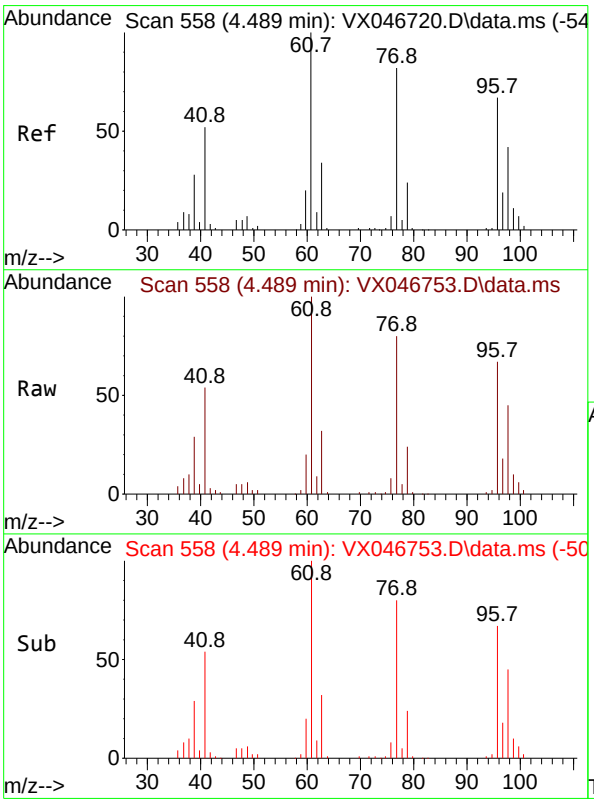
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

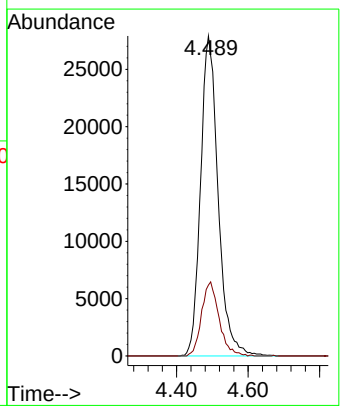
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

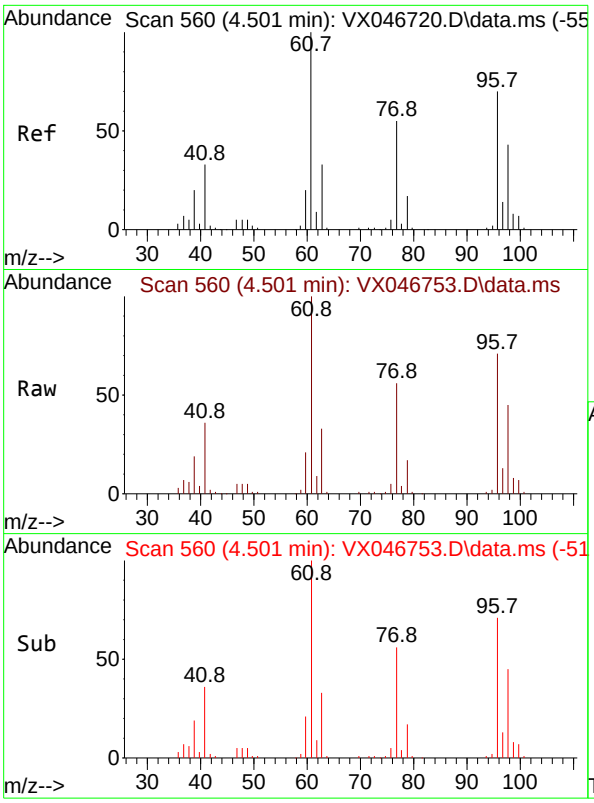



#26
2,2-Dichloropropane
Concen: 41.752 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 77 Resp: 95144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.1 | 11.8 | 35.3 |

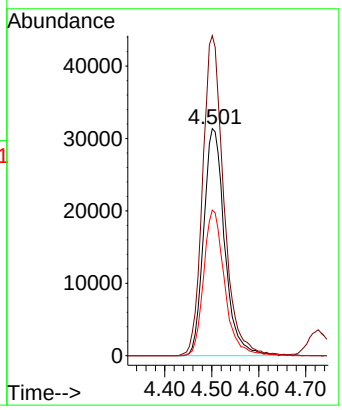





#27
cis-1,2-Dichloroethene
Concen: 48.734 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 96 Resp: 9680

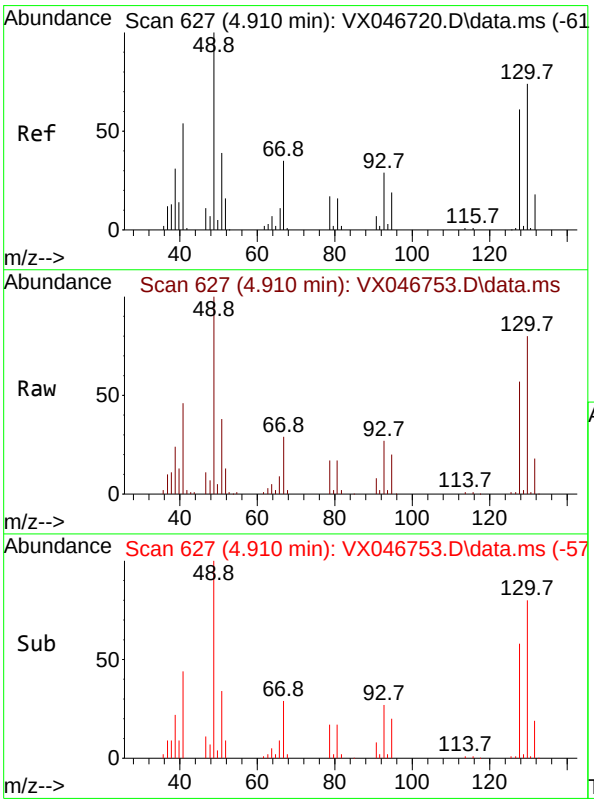
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.4 | 0.0 | 291.0 |
| 98 | 64.1 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

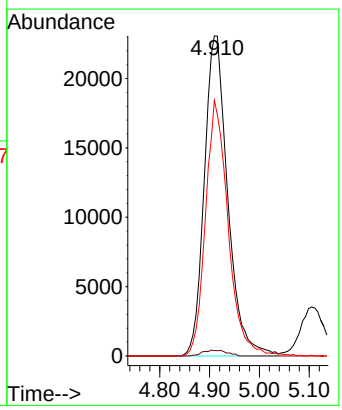
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

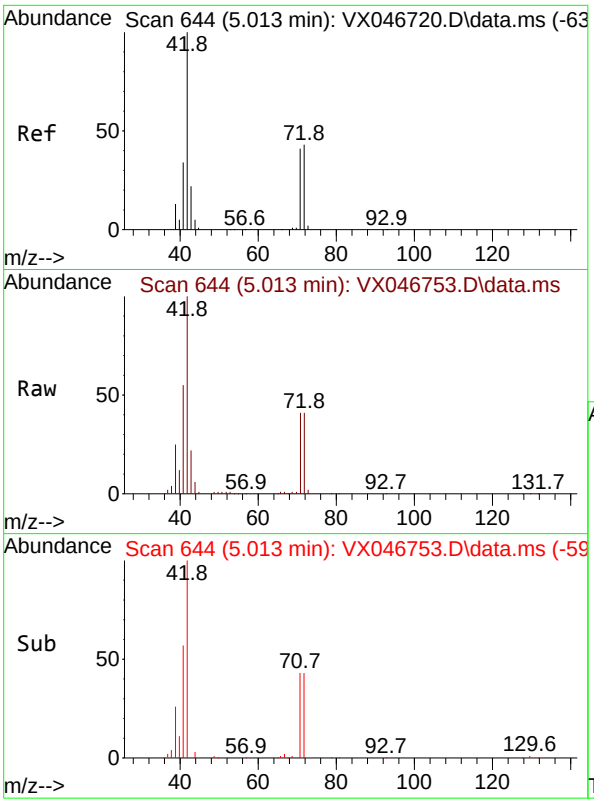



#28
Bromochloromethane
Concen: 53.219 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 49 Resp: 75384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.8 |
| 130 | 77.0 | 61.4 | 92.0 |






#29
Tetrahydrofuran
Concen: 231.740 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

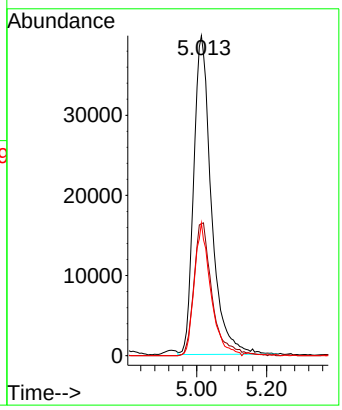
Tgt Ion: 42 Resp: 13969

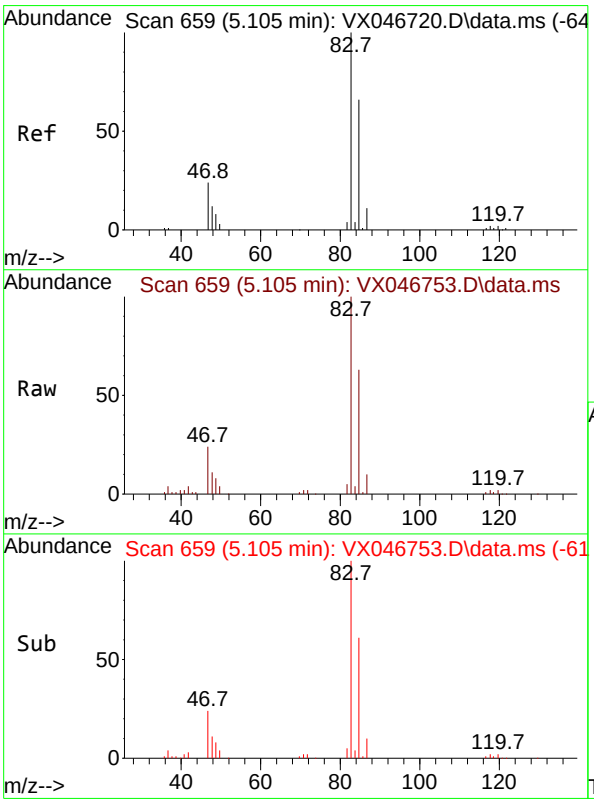
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.0 | 34.9 | 52.3 |
| 71 | 38.6 | 32.2 | 48.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

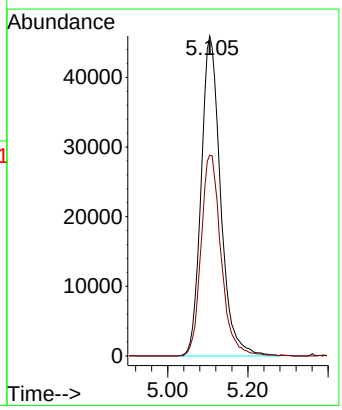


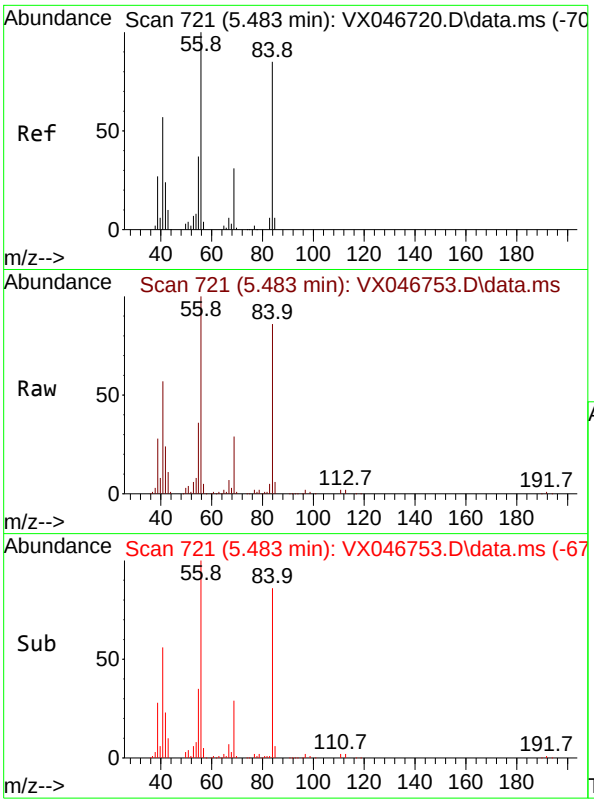




#30
Chloroform
Concen: 49.396 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 83 Resp: 154343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.8 | 53.7 | 80.5 |

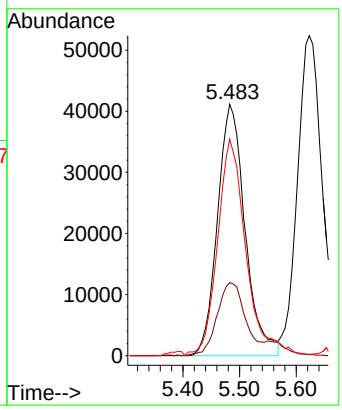





#31
Cyclohexane
Concen: 46.988 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 56 Resp: 13922

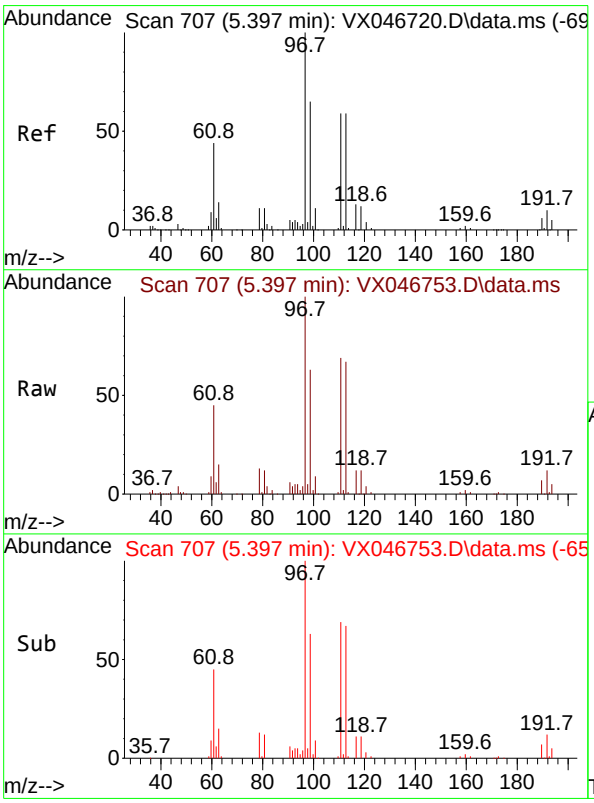
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.8 | 37.2 |
| 84 | 84.4 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

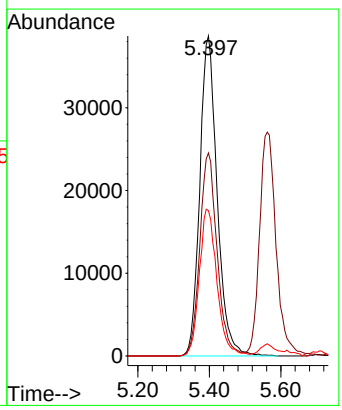
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

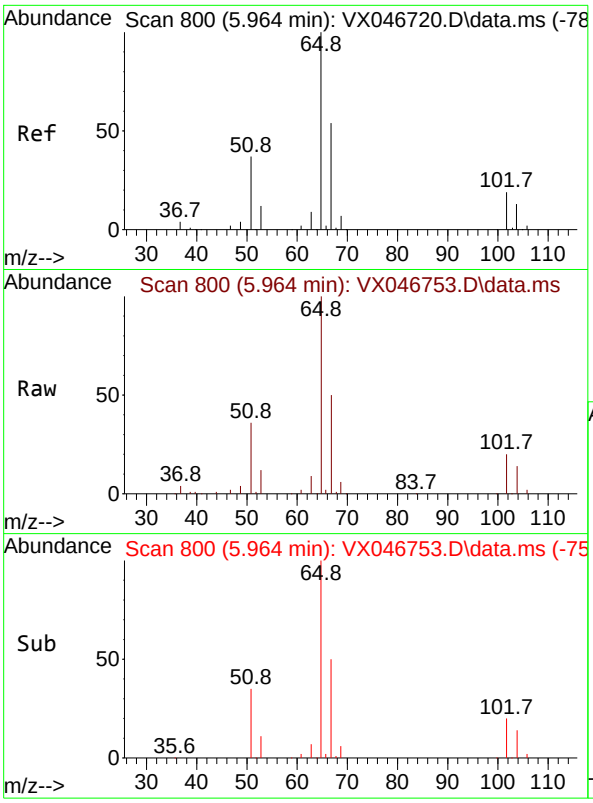



#32
1,1,1-Trichloroethane
Concen: 47.547 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 97 Resp: 130295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.3 | 76.9 |
| 61 | 46.6 | 36.4 | 54.6 |

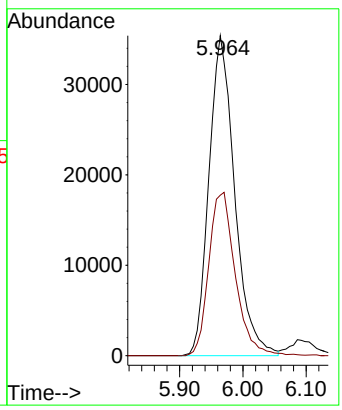





#33
1,2-Dichloroethane-d4
Concen: 50.601 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 65 Resp: 10012

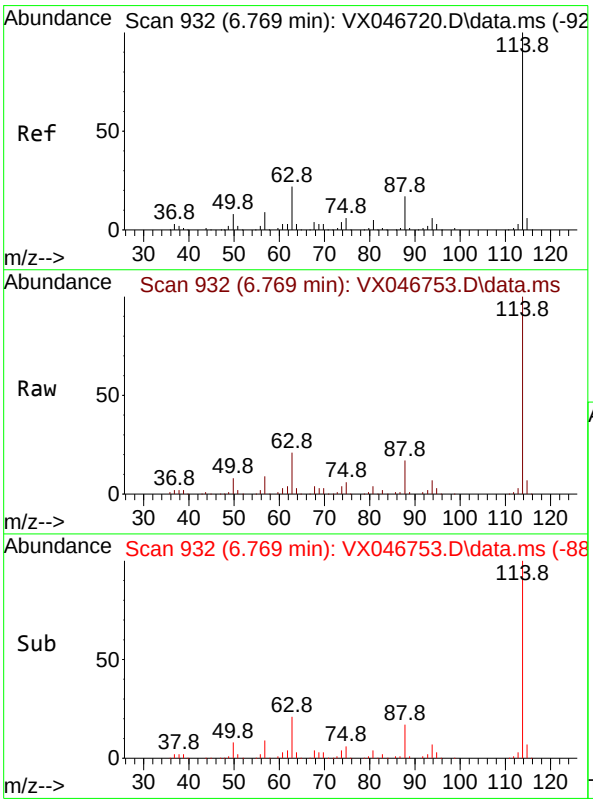
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

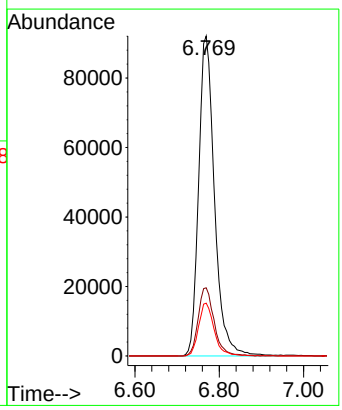
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

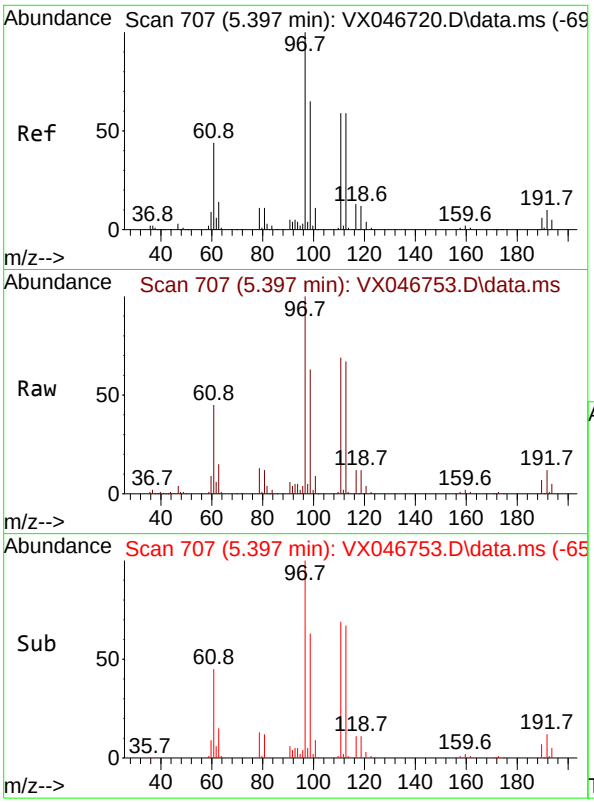



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:114 Resp: 240999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 44.2 |
| 88 | 16.5 | 0.0 | 33.2 |

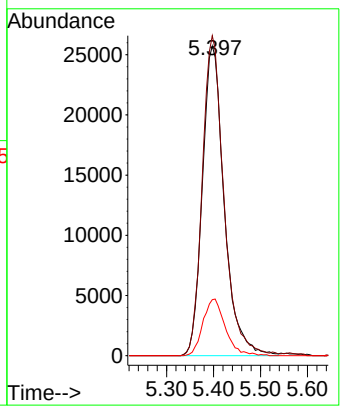





#35
Dibromofluoromethane
Concen: 52.078 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:113 Resp: 8304

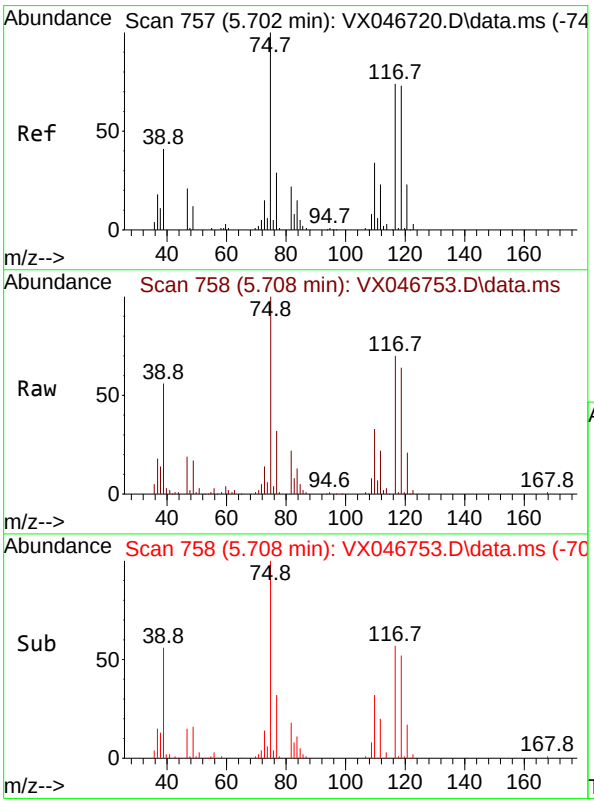
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

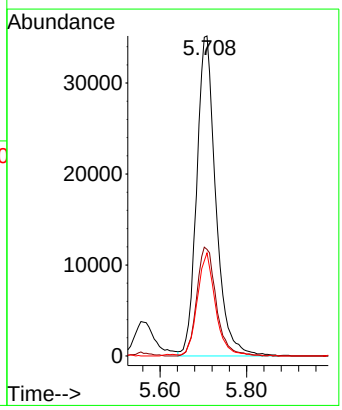
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

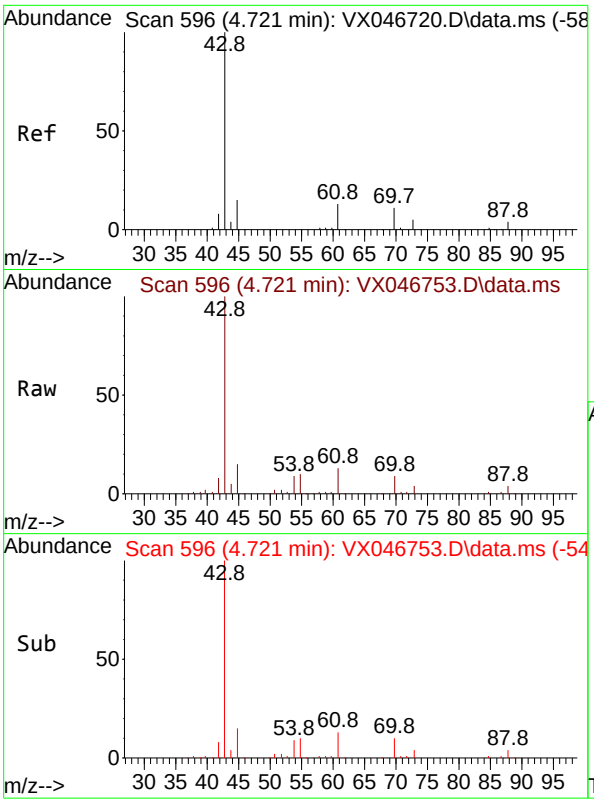



#36
1,1-Dichloropropene
Concen: 46.878 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 107903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |






#37
Ethyl Acetate
Concen: 41.462 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

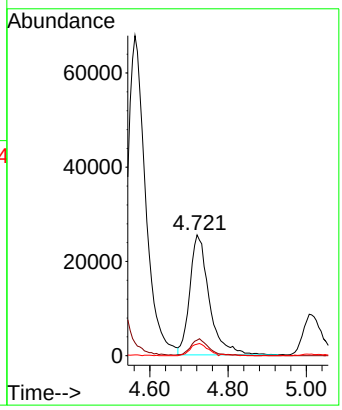
Tgt Ion: 43 Resp: 8809

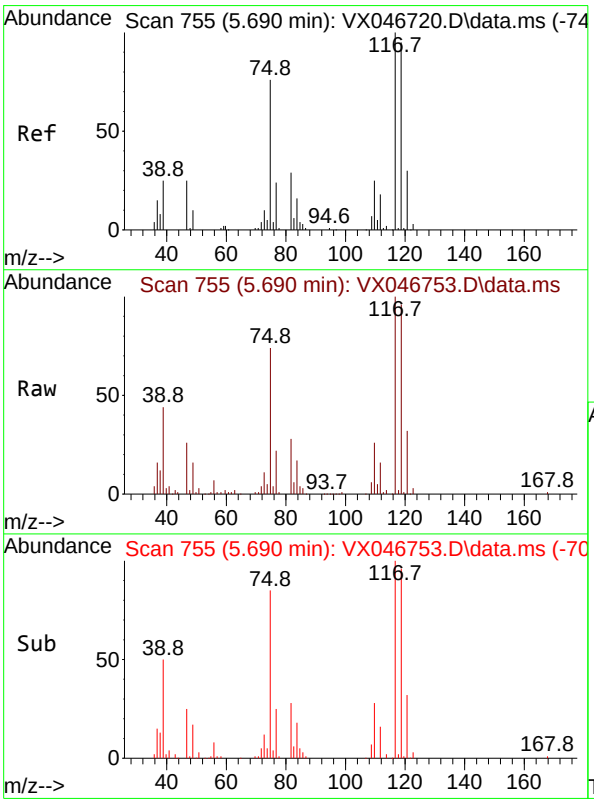
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 9.7 | 14.5 |
| 70 | 9.0 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

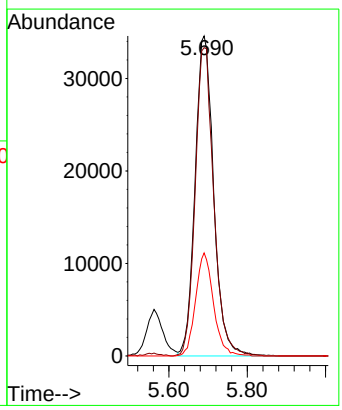


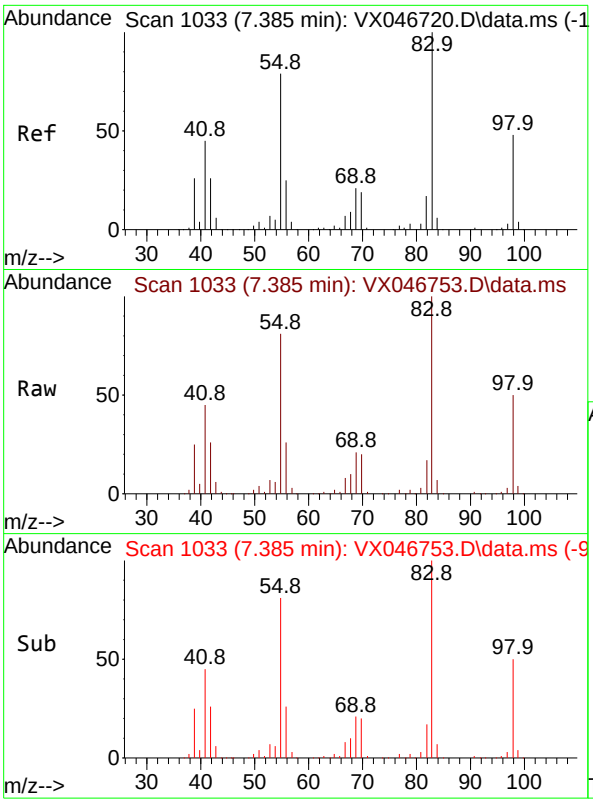




#38
Carbon Tetrachloride
Concen: 45.829 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:117 Resp: 114481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 75.2 | 112.8 |
| 121 | 32.2 | 24.1 | 36.1 |

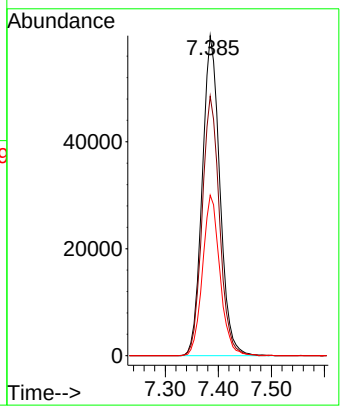





#39
Methylcyclohexane
Concen: 45.609 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 83 Resp: 13814

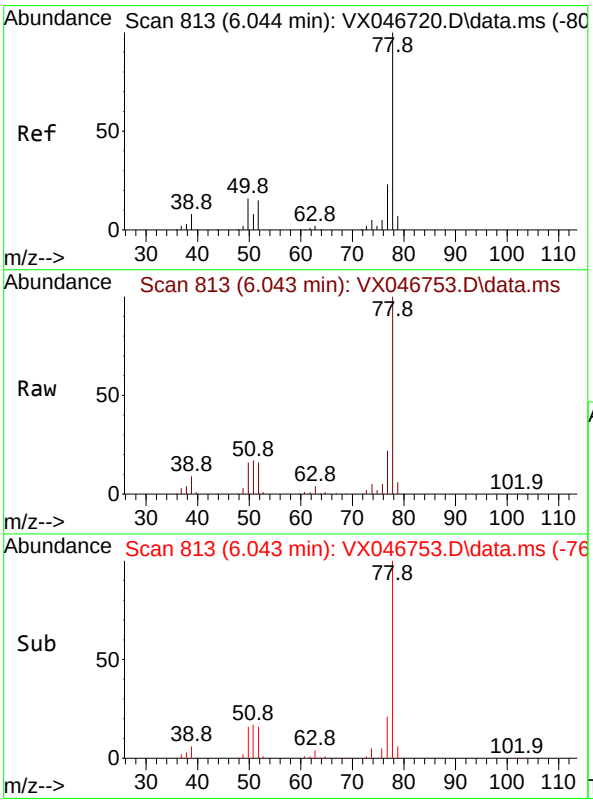
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.1 | 63.0 | 94.4 |
| 98 | 50.1 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

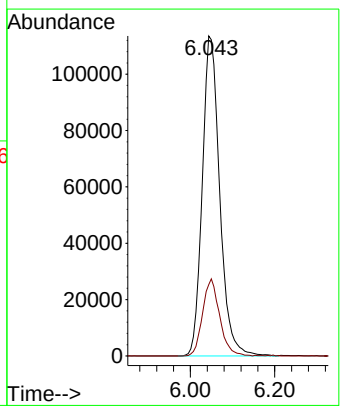
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

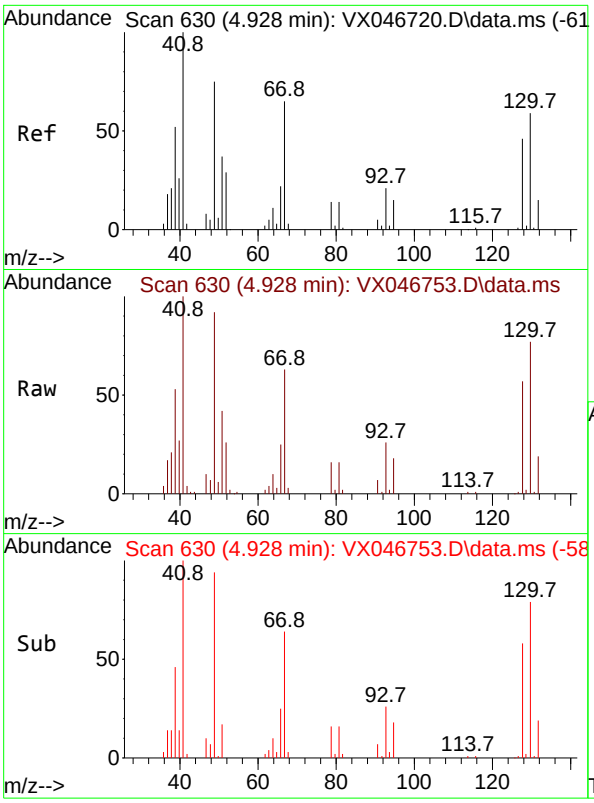



#40
Benzene
Concen: 47.998 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 78 Resp: 326964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 18.8 | 28.2 |

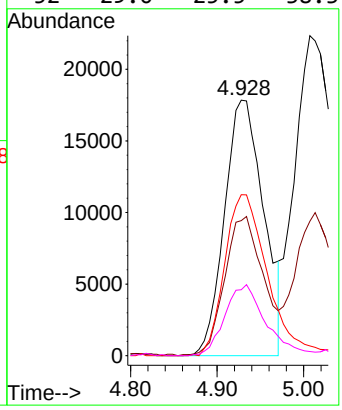





#41
Methacrylonitrile
Concen: 49.649 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 41 Resp: 5623

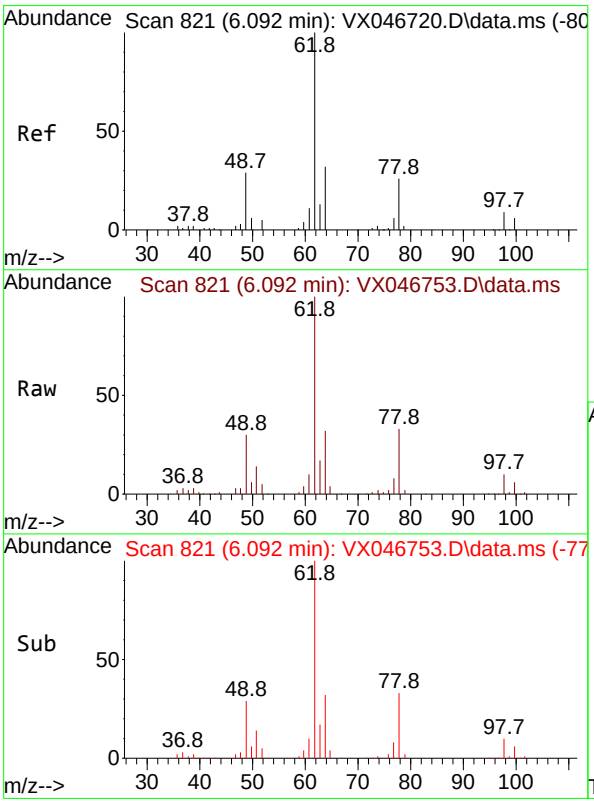
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.6 | 45.9 | 68.9 |
| 67 | 69.6 | 61.2 | 91.8 |
| 52 | 29.0 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

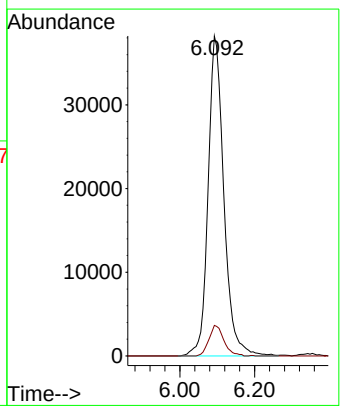
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

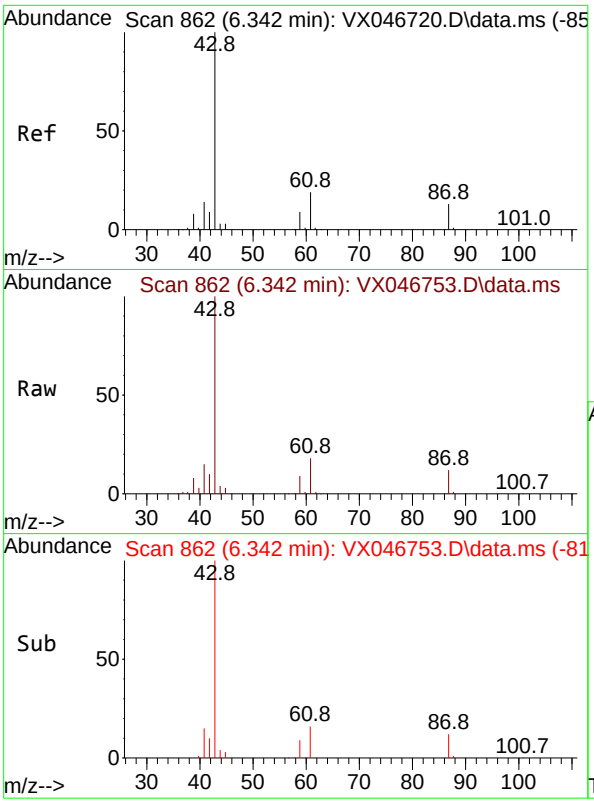



#42
1,2-Dichloroethane
Concen: 46.799 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 62 Resp: 112027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.8 |

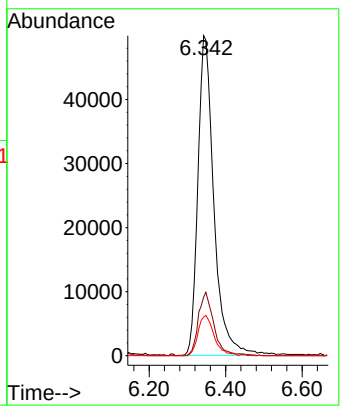





#43
Isopropyl Acetate
Concen: 43.619 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 14502

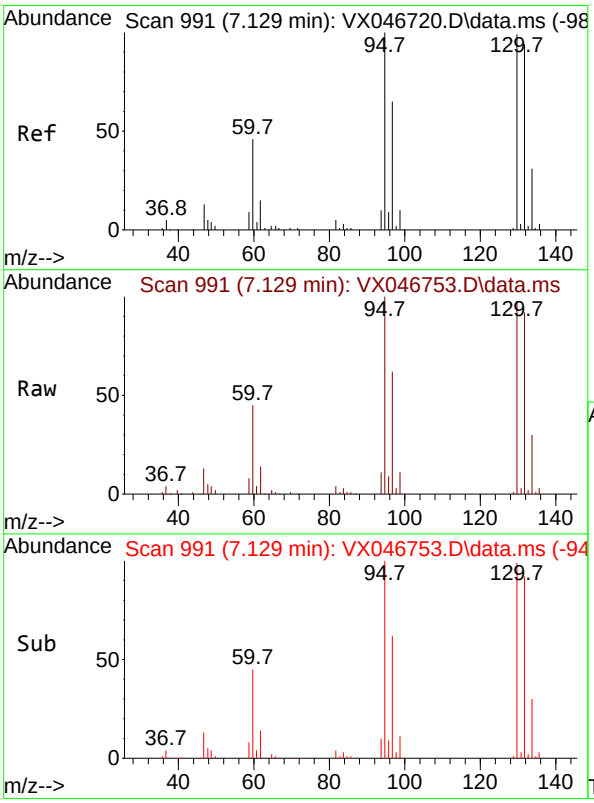
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.3 | 22.9 |
| 87 | 12.6 | 10.0 | 15.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

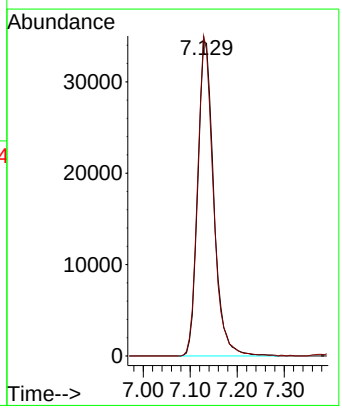
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

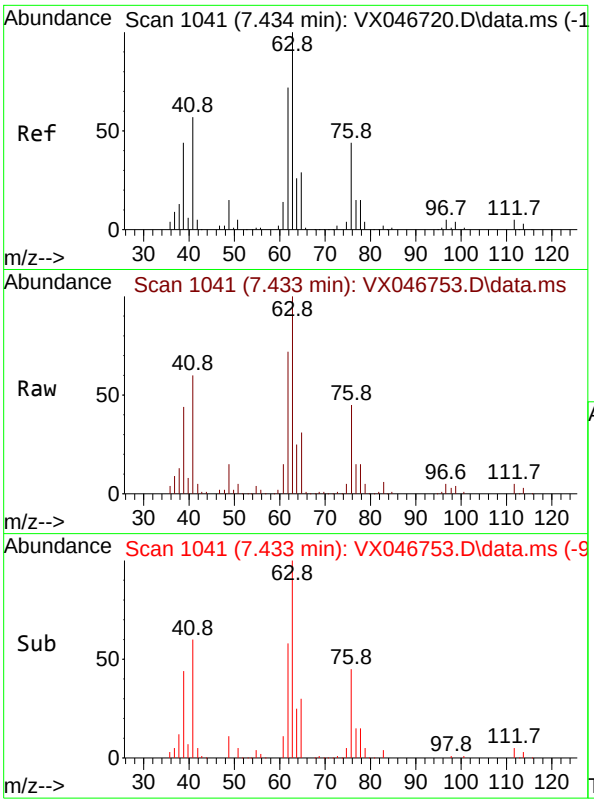



#44
Trichloroethene
Concen: 47.090 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:130 Resp: 81750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 202.6 |

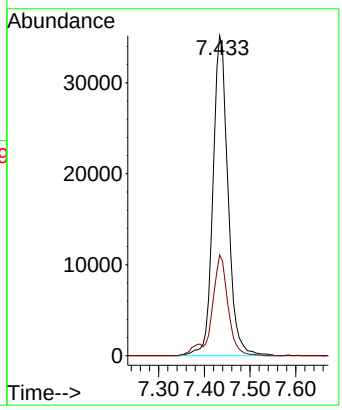





#45
1,2-Dichloropropane
Concen: 47.769 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 63 Resp: 8064

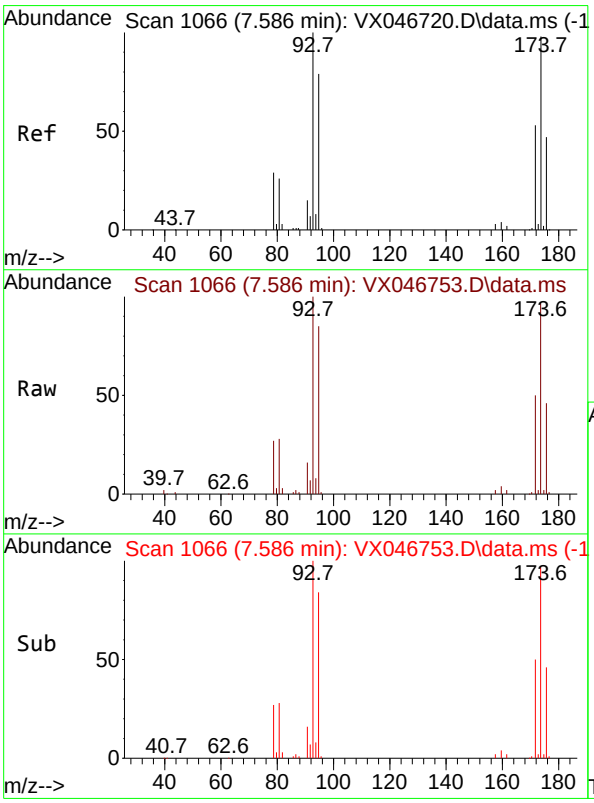
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations APPROVED**

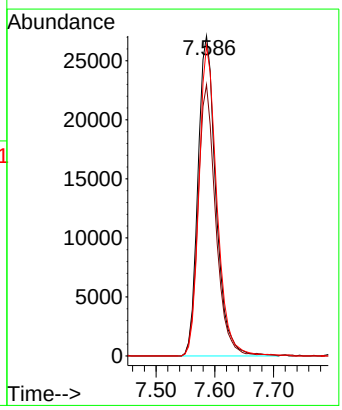
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

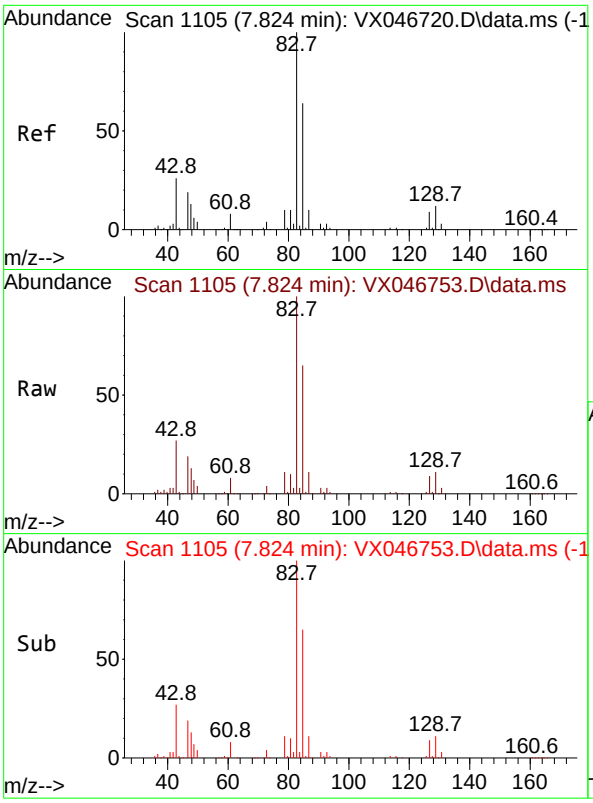



#46
Dibromomethane
Concen: 47.246 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 93 Resp: 57324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.7 | 66.2 | 99.4 |
| 174 | 96.7 | 77.0 | 115.6 |

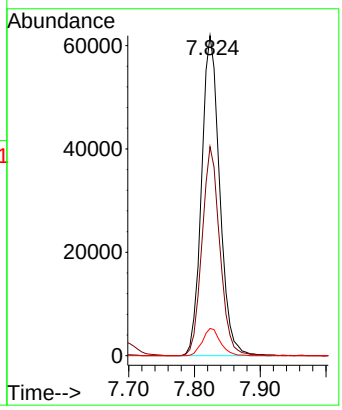





#47
Bromodichloromethane
Concen: 47.892 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 83 Resp: 11857

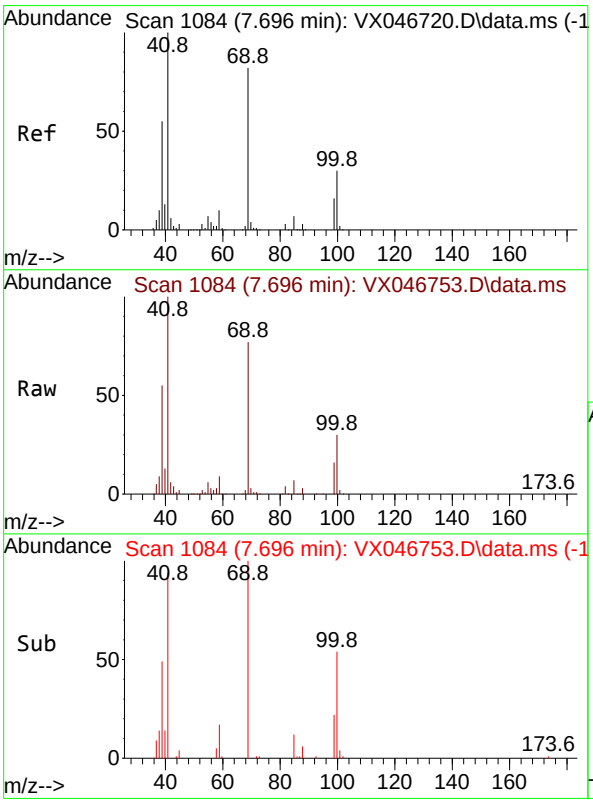
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

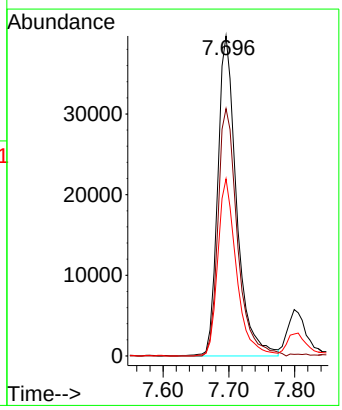
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

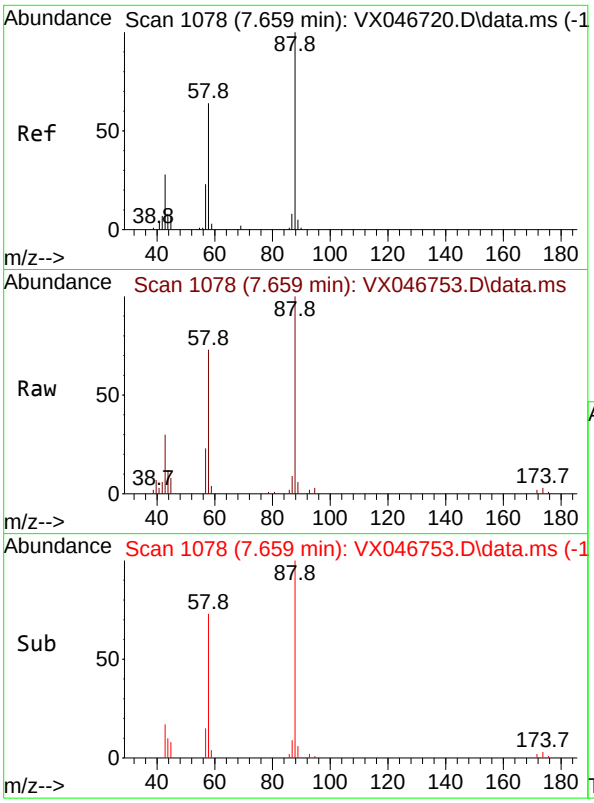



#48
Methyl methacrylate
Concen: 47.484 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 41 Resp: 79176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 54.9 | 45.4 | 68.0 |

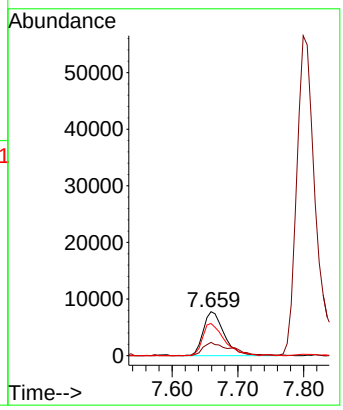





#49
1,4-Dioxane
Concen: 719.791 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 88 Resp: 1726

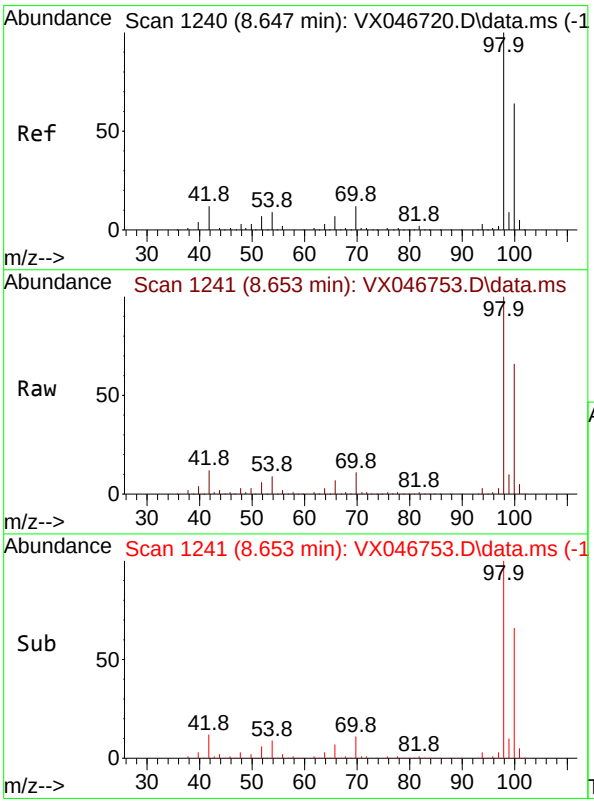
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 31.2 | 46.8 |
| 58 | 75.0 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

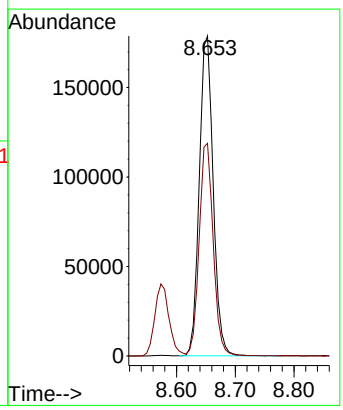
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

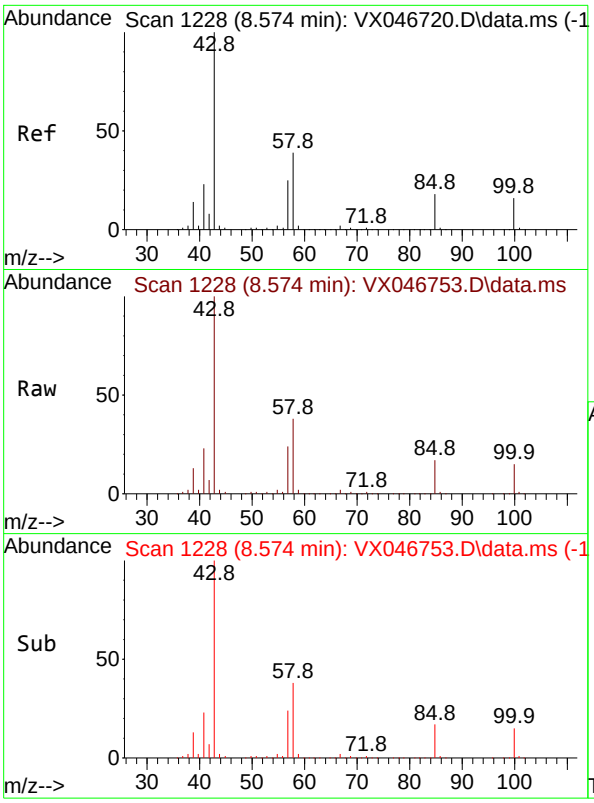



#50
Toluene-d8
Concen: 51.326 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 98 Resp: 294034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |

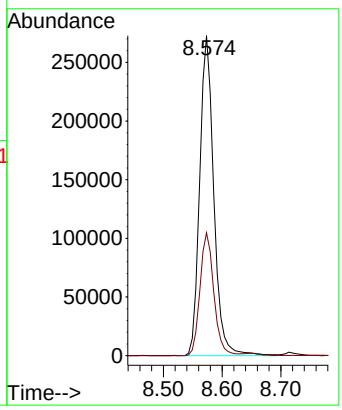





#51
4-Methyl-2-Pentanone
Concen: 229.964 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 45599

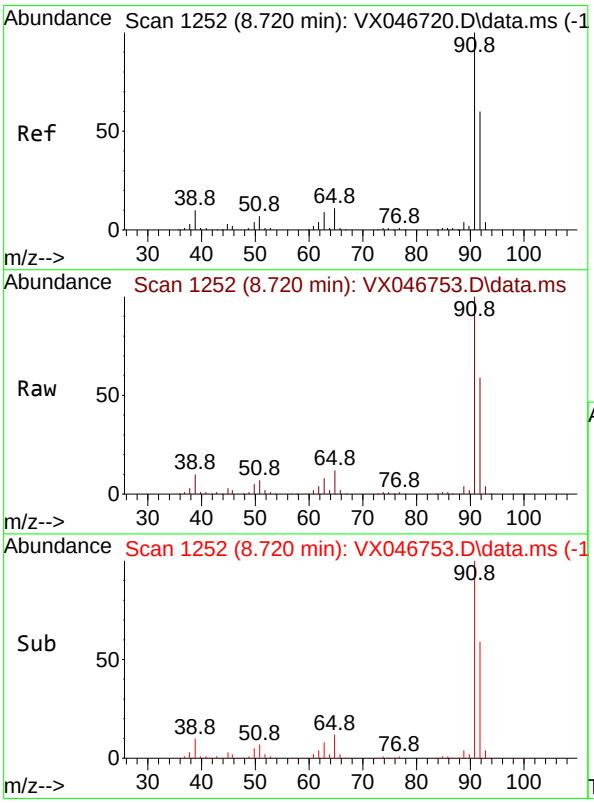
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

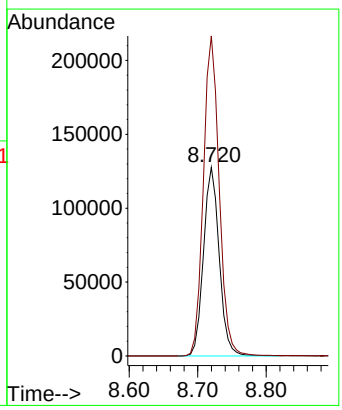
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

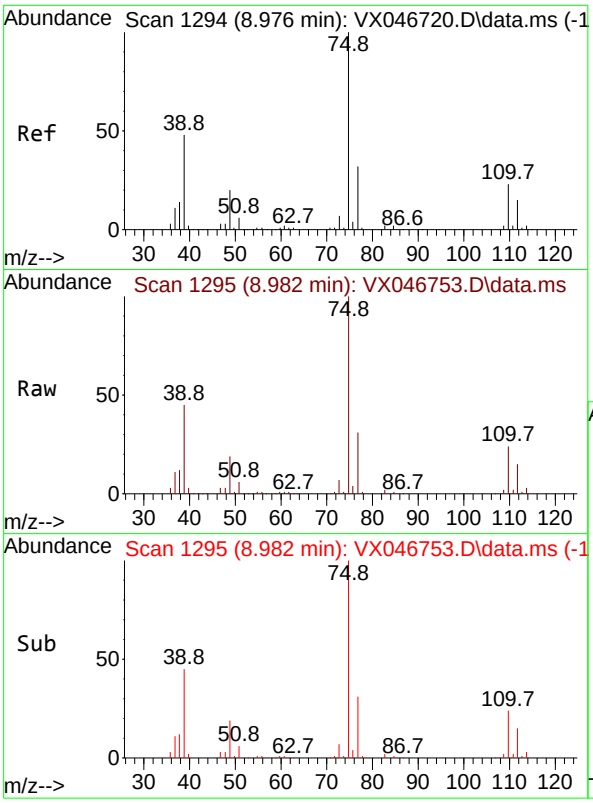



#52
Toluene
Concen: 48.249 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 92 Resp: 203758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.9 | 134.8 | 202.2 |

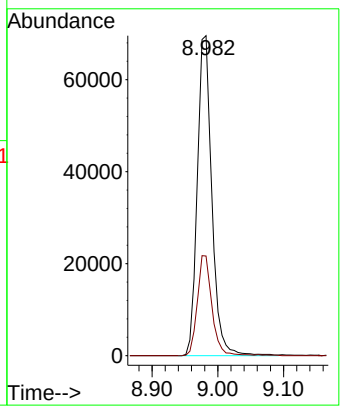





#53
t-1,3-Dichloropropene
Concen: 46.544 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 10692

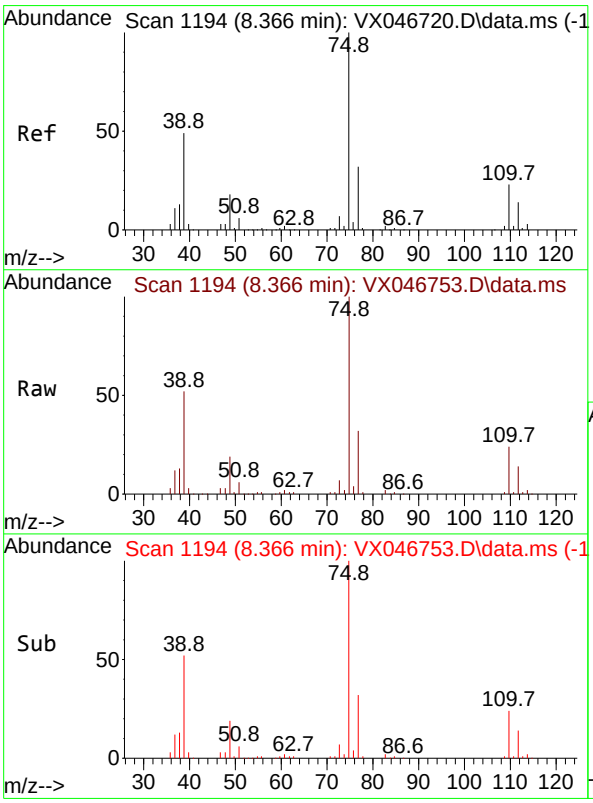
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

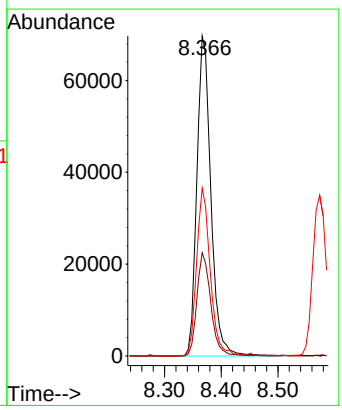
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

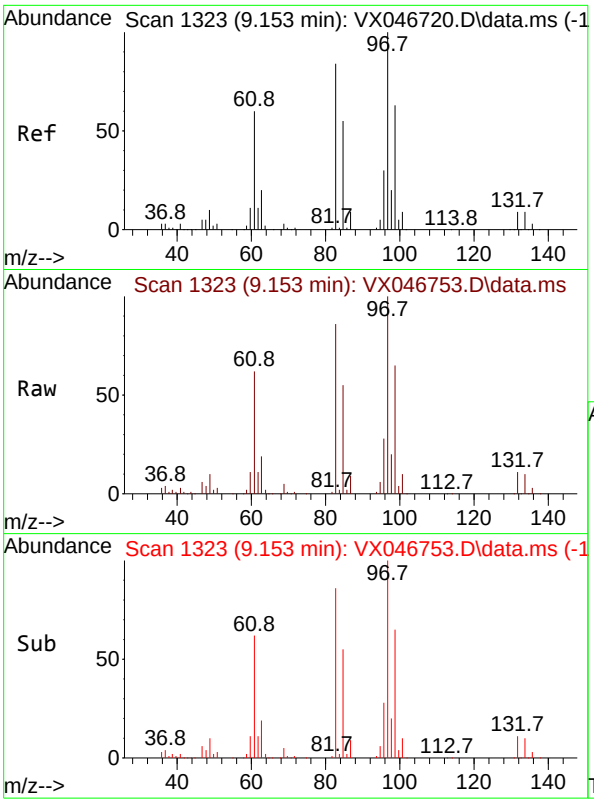



#54
cis-1,3-Dichloropropene
Concen: 45.847 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 119567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.3 | 37.9 |
| 39 | 51.8 | 39.2 | 58.8 |

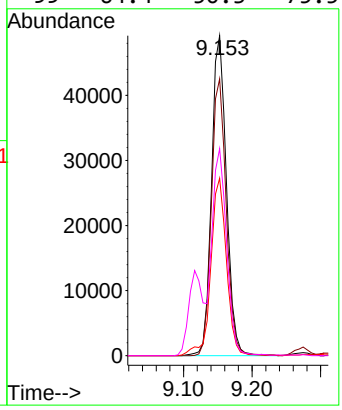





#55
1,1,2-Trichloroethane
Concen: 47.065 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 97 Resp: 7406

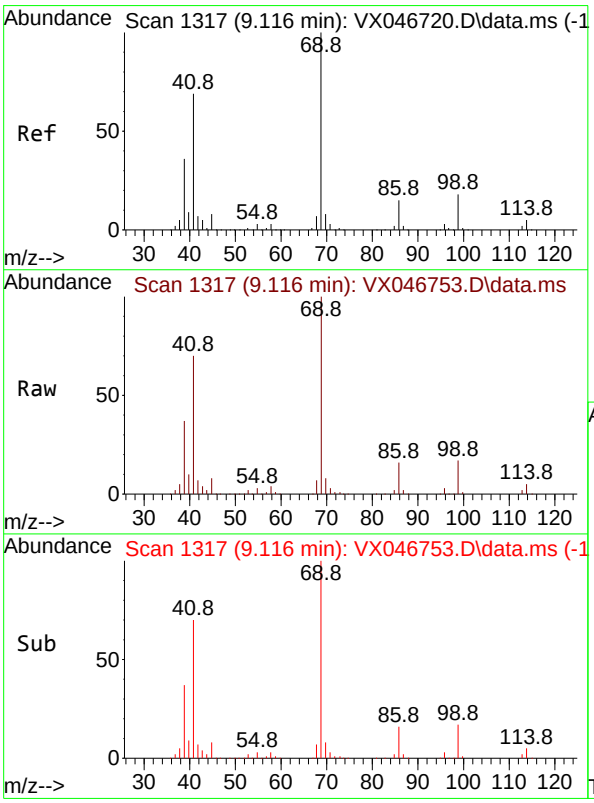
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.5 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 64.4 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

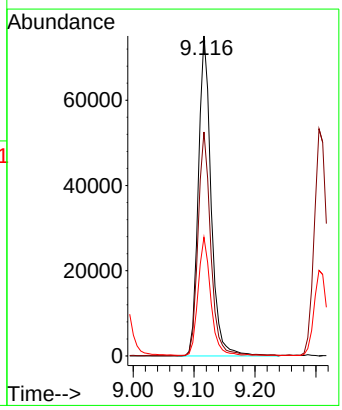
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

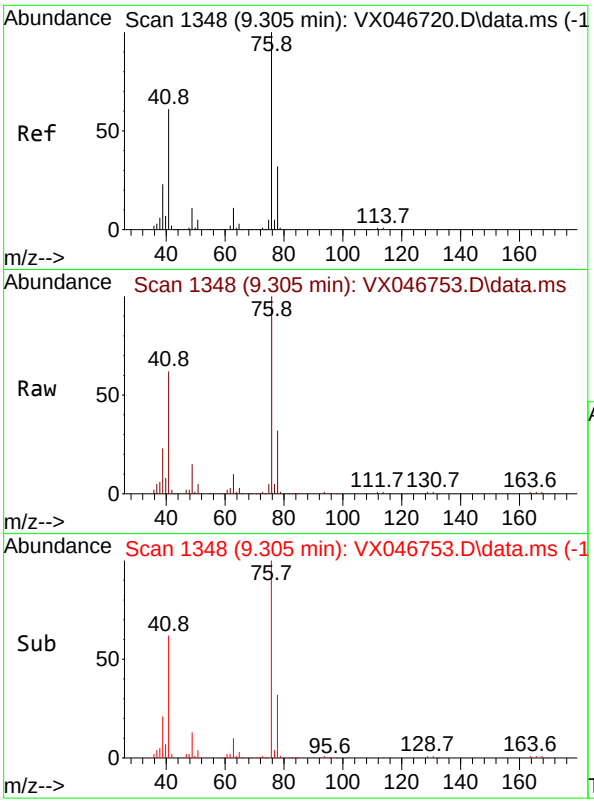



#56
Ethyl methacrylate
Concen: 47.221 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 69 Resp: 109702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.1 | 29.7 | 44.5 |






#57
1,3-Dichloropropane
Concen: 47.775 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

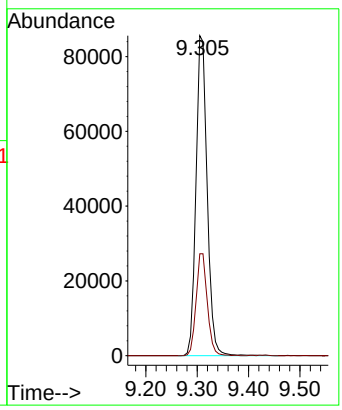
Tgt Ion: 76 Resp: 12947

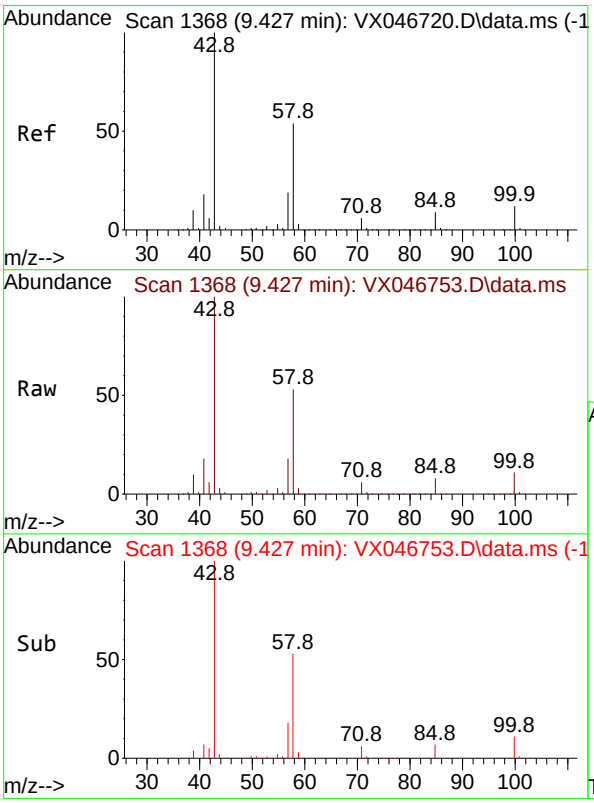
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

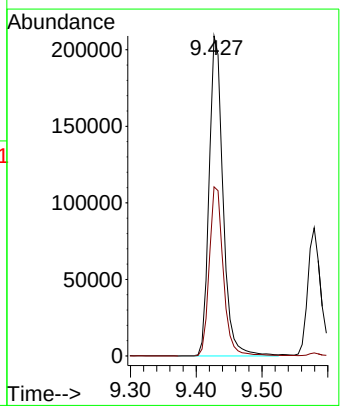


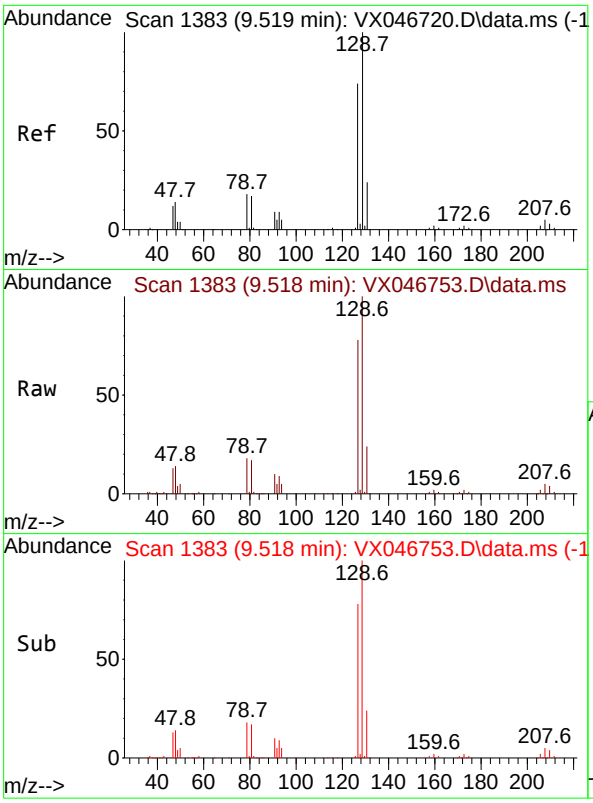




#59
2-Hexanone
Concen: 224.056 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 307148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.8 | 80.4 |

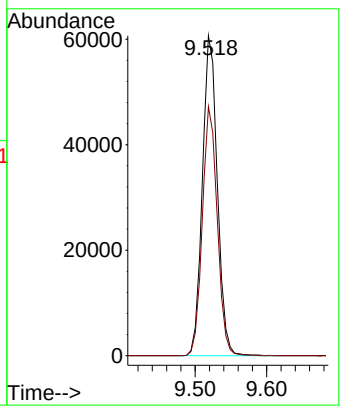





#60
Dibromochloromethane
Concen: 47.473 ug/l
RT: 9.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:129 Resp: 8804

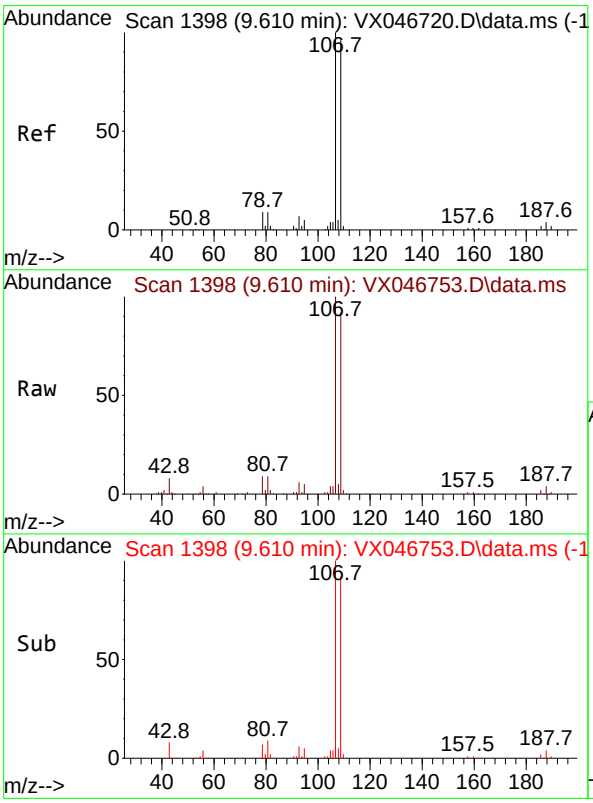
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

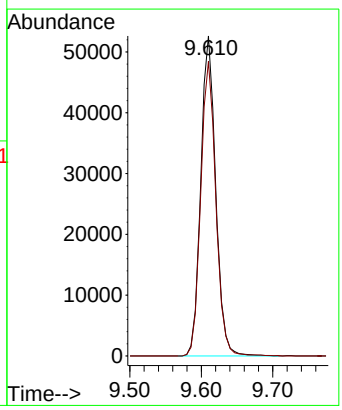
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

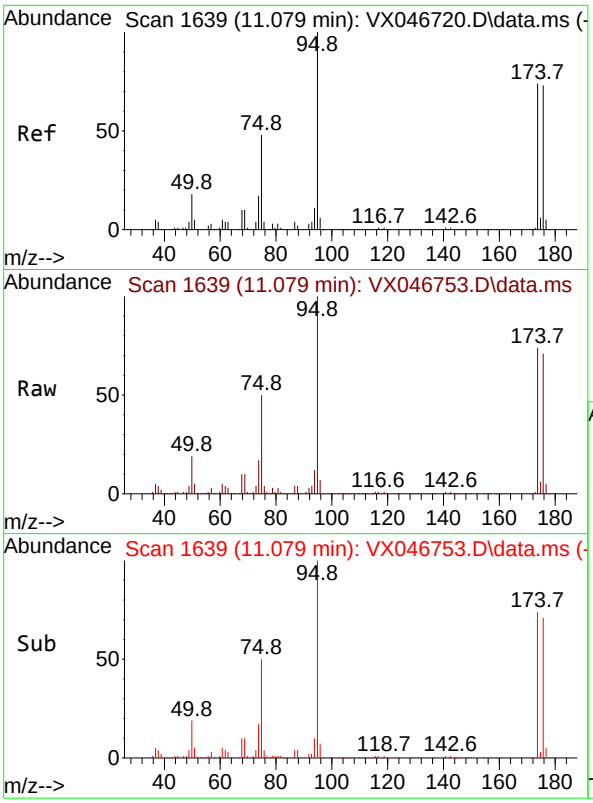



#61
1,2-Dibromoethane
Concen: 47.618 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:107 Resp: 76228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 75.8 | 113.6 |

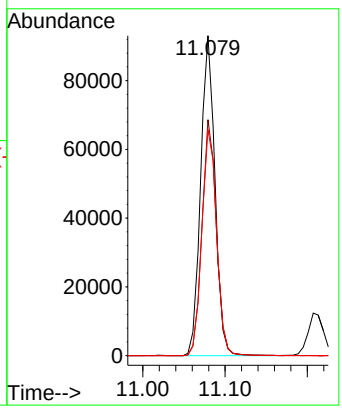





#62
4-Bromofluorobenzene
Concen: 52.679 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 95 Resp: 11249

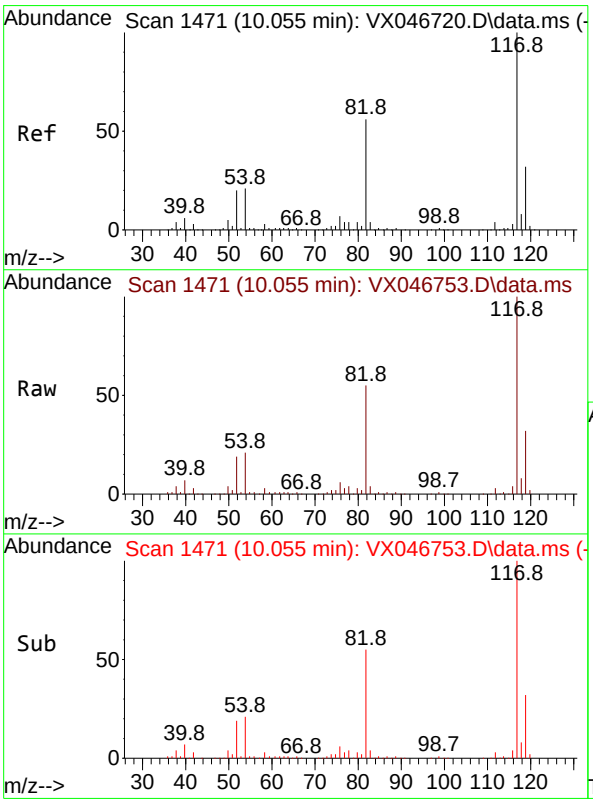
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 150.4 |
| 176 | 72.8 | 0.0 | 145.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

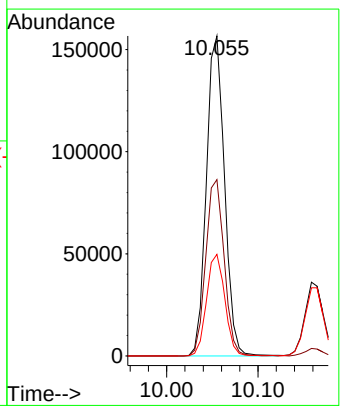
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

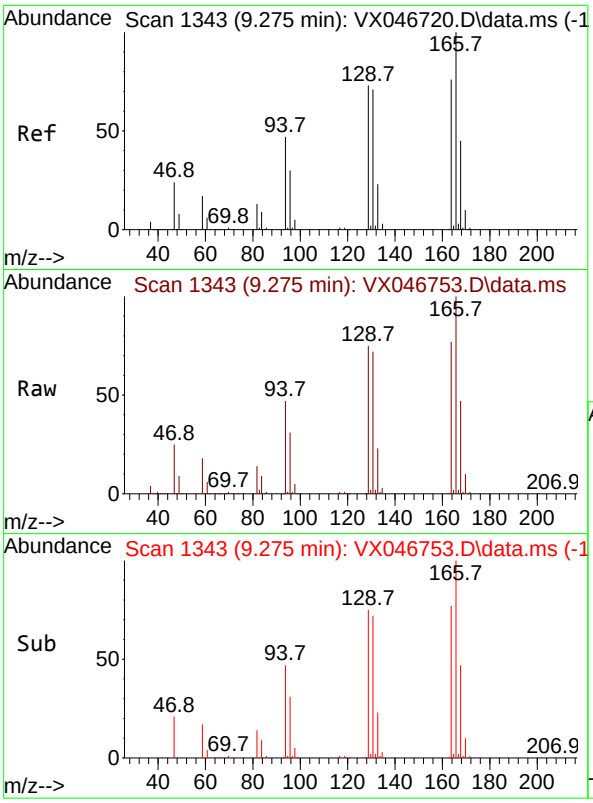



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:117 Resp: 215546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.6 | 66.8 |
| 119 | 31.8 | 25.8 | 38.8 |

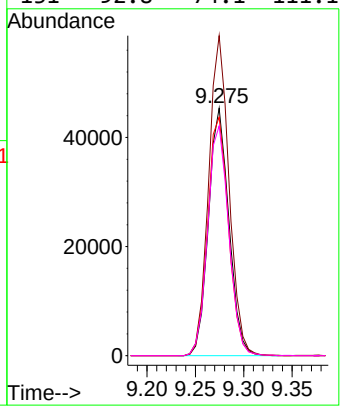





#64
Tetrachloroethene
Concen: 44.627 ug/l
RT: 9.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:164 Resp: 6664

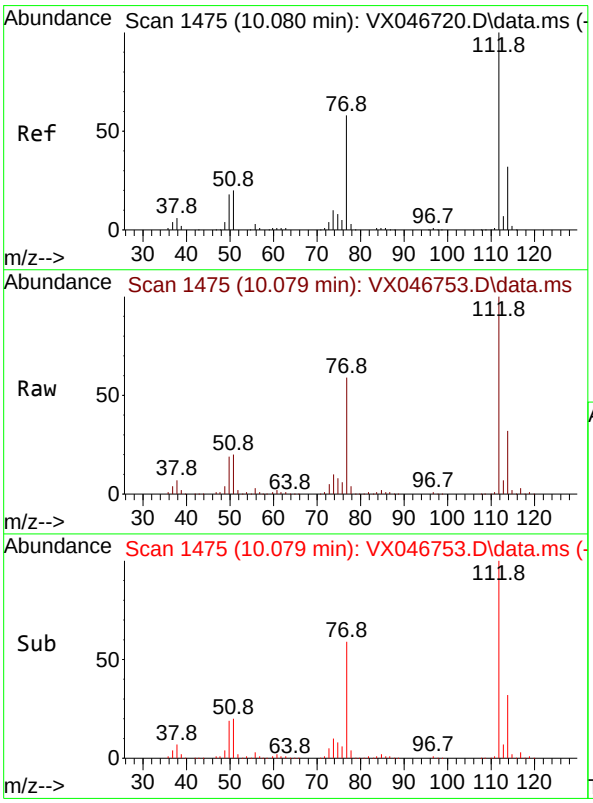
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.3 | 104.6 | 157.0 |
| 129 | 96.4 | 76.3 | 114.5 |
| 131 | 92.8 | 74.1 | 111.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

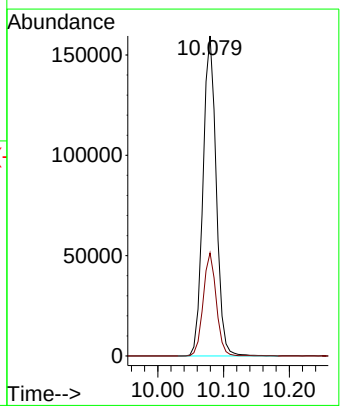
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

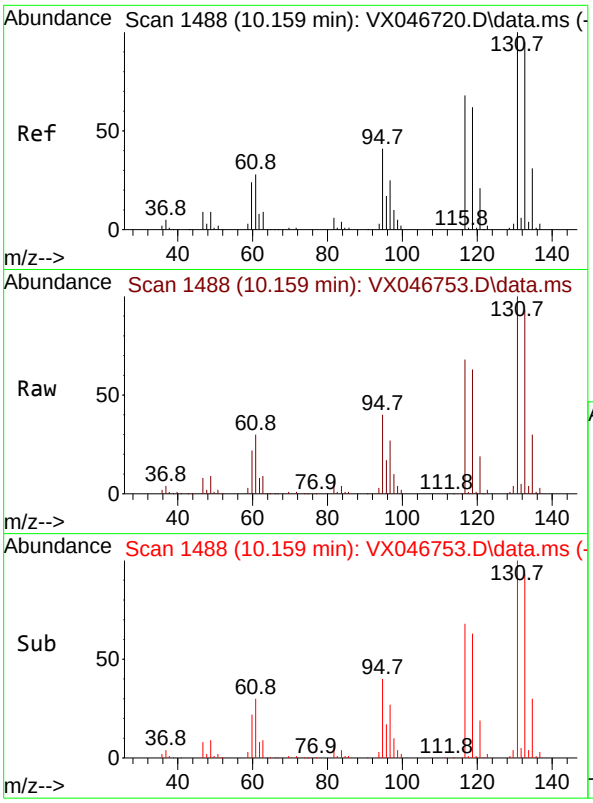



#65
Chlorobenzene
Concen: 46.808 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:112 Resp: 222717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 25.5 | 38.3 |






#66
1,1,1,2-Tetrachloroethane
Concen: 46.814 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

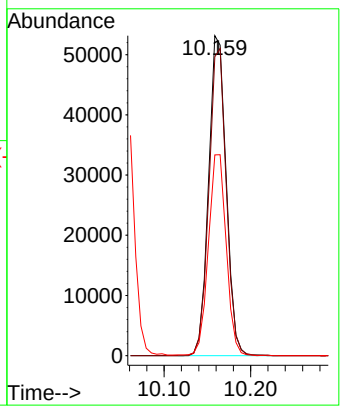
Tgt Ion:131 Resp: 7486

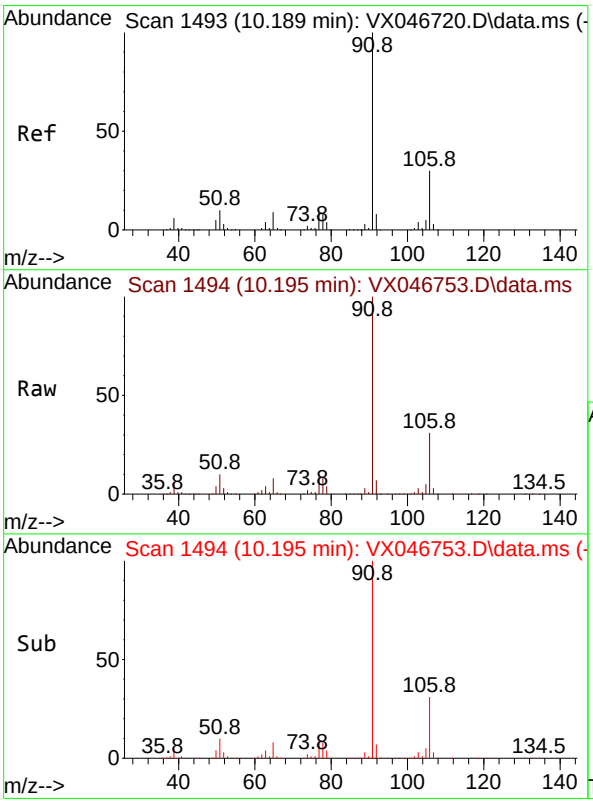
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

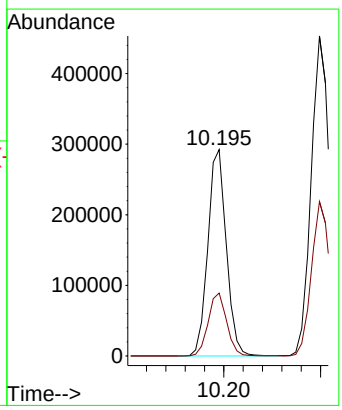


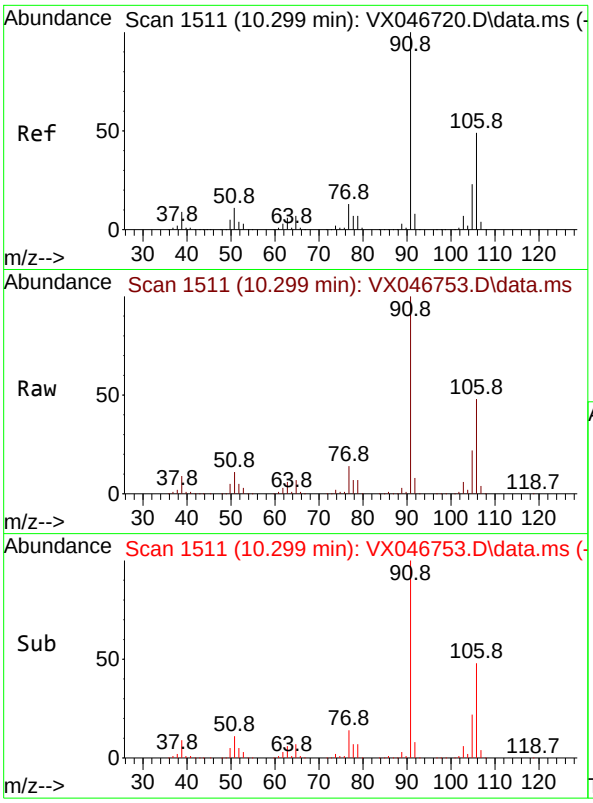




#67
Ethyl Benzene
Concen: 46.592 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 387344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |

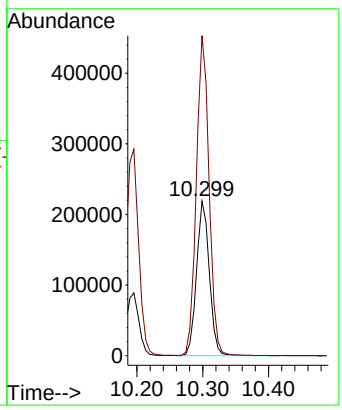





#68
m/p-Xylenes
Concen: 94.996 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:106 Resp: 29427

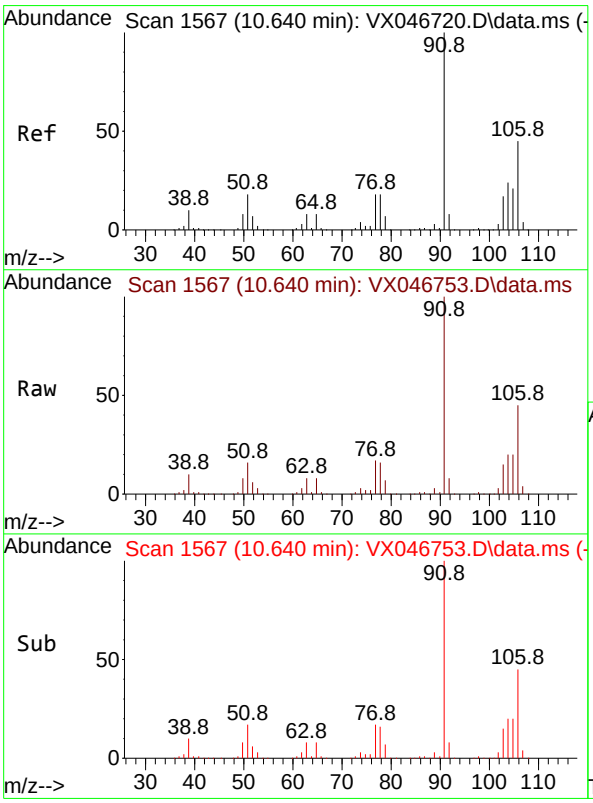
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 164.8 | 247.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

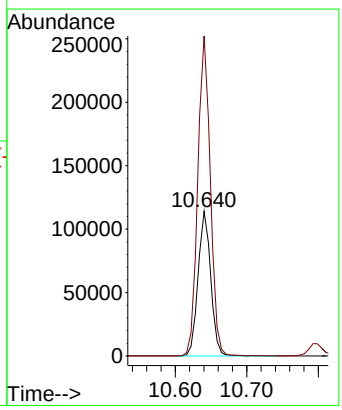
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

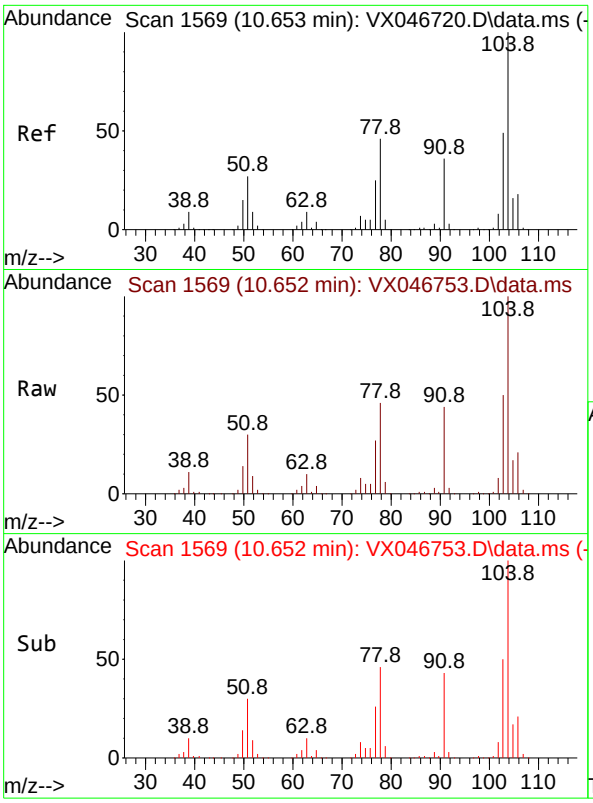



#69
o-Xylene
Concen: 48.237 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:106 Resp: 140037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 111.3 | 333.9 |

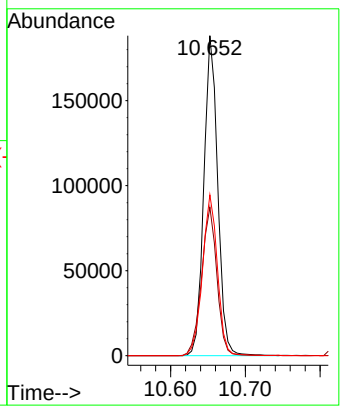





#70
Styrene
Concen: 47.694 ug/l
RT: 10.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:104 Resp: 24231

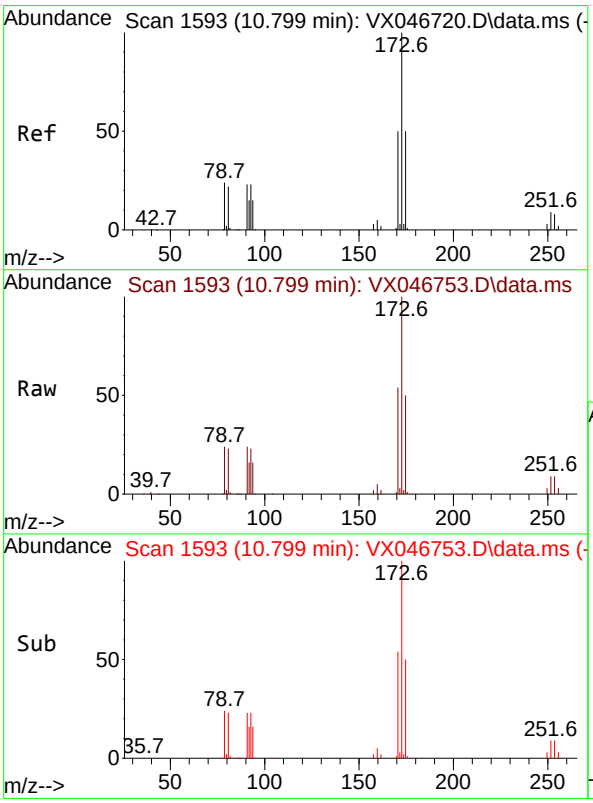
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 41.4 | 62.2 |
| 103 | 54.5 | 43.1 | 64.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

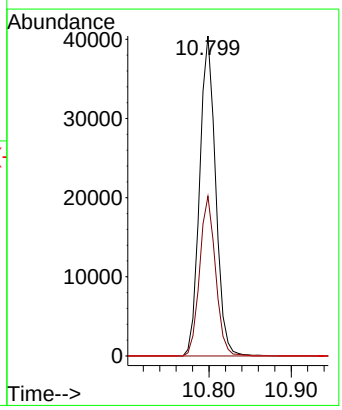
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

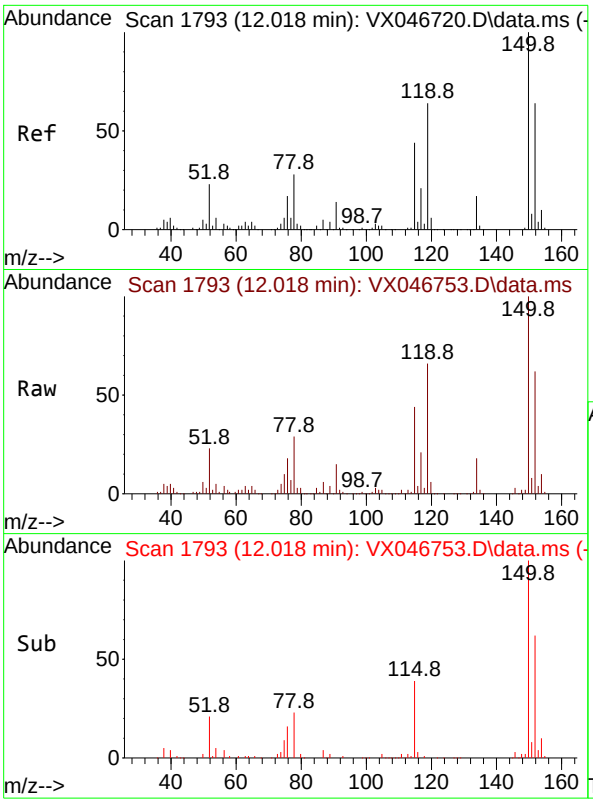



#71
Bromoform
Concen: 44.776 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:173 Resp: 54530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

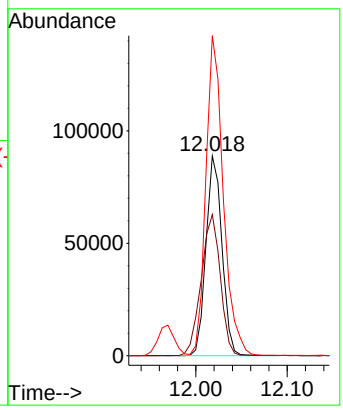





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:152 Resp: 10766

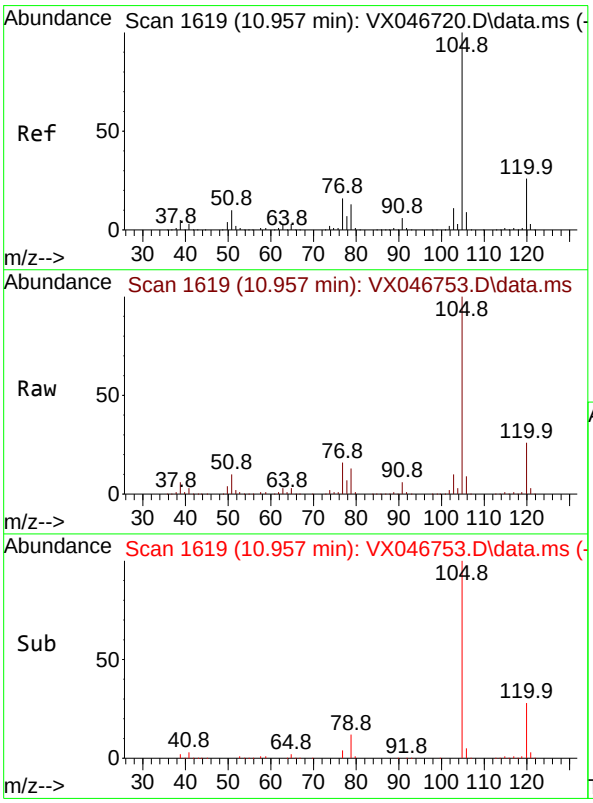
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.6 | 43.2 | 129.6 |
| 150 | 174.0 | 0.0 | 346.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

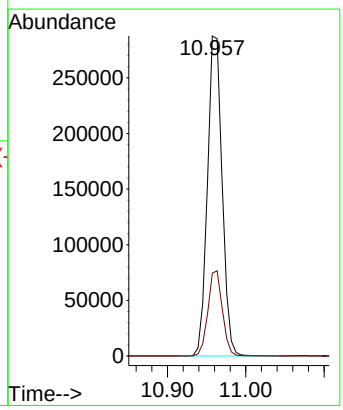
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

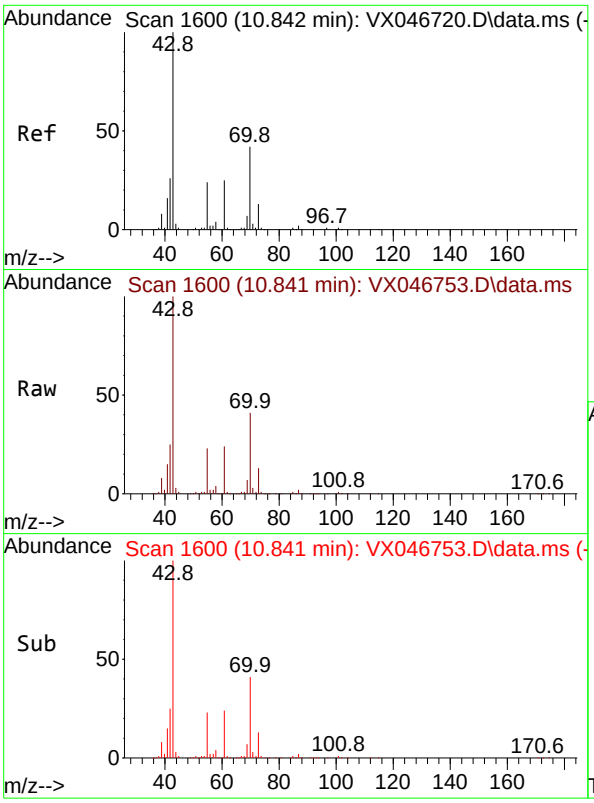



#73
Isopropylbenzene
Concen: 47.134 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 373743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.0 | 39.0 |

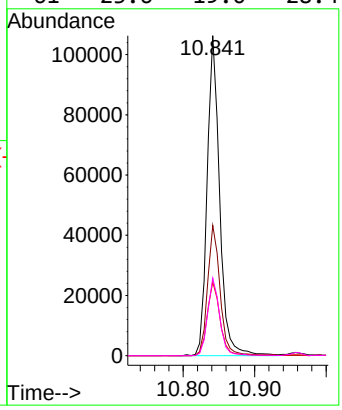





#74
N-amyl acetate
Concen: 43.017 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 12923

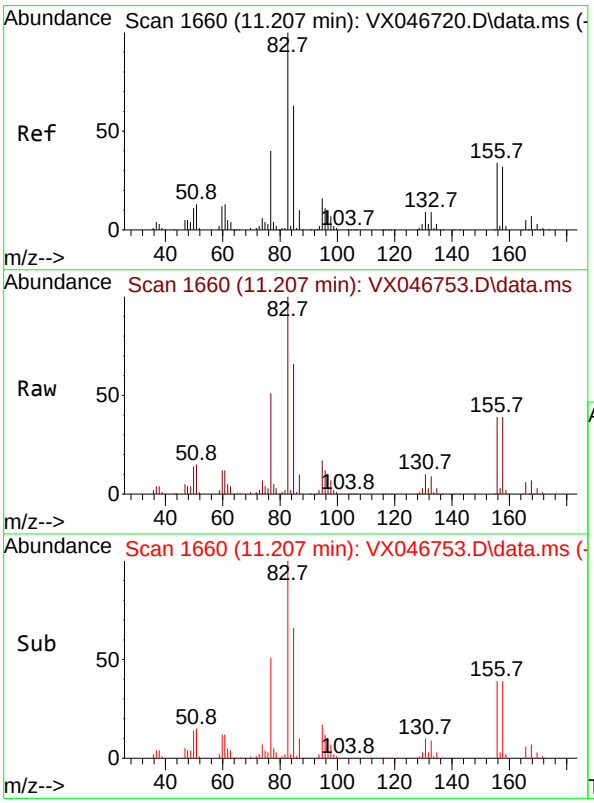
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 33.4 | 50.0 |
| 55 | 23.8 | 19.1 | 28.7 |
| 61 | 23.6 | 19.0 | 28.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

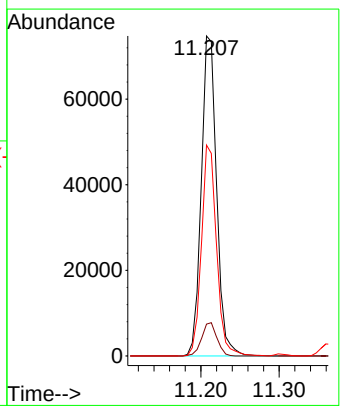
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

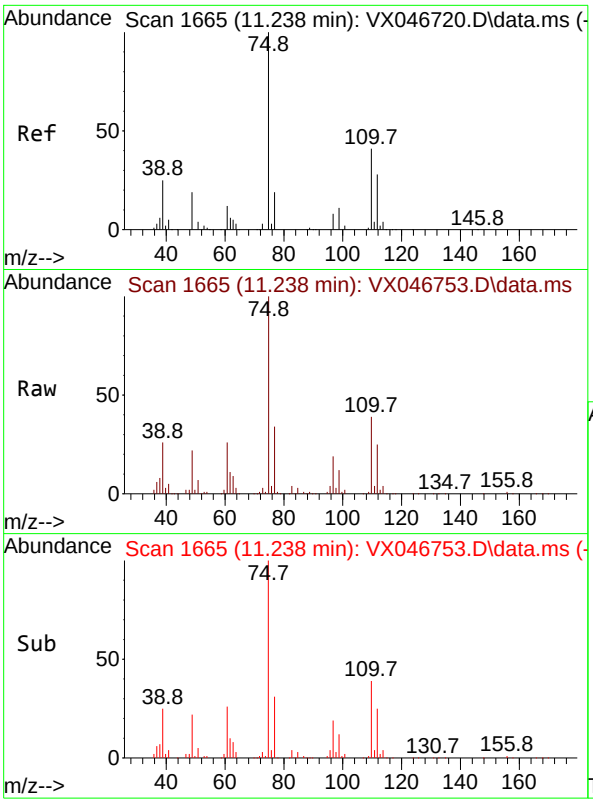



#75
1,1,2,2-Tetrachloroethane
Concen: 45.835 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 83 Resp: 101482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 64.9 | 32.0 | 96.0 |






#76
1,2,3-Trichloropropane
Concen: 46.974 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

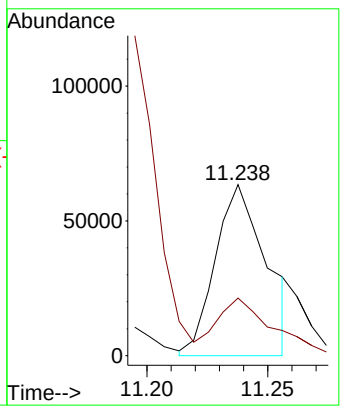
Tgt Ion: 75 Resp: 9262

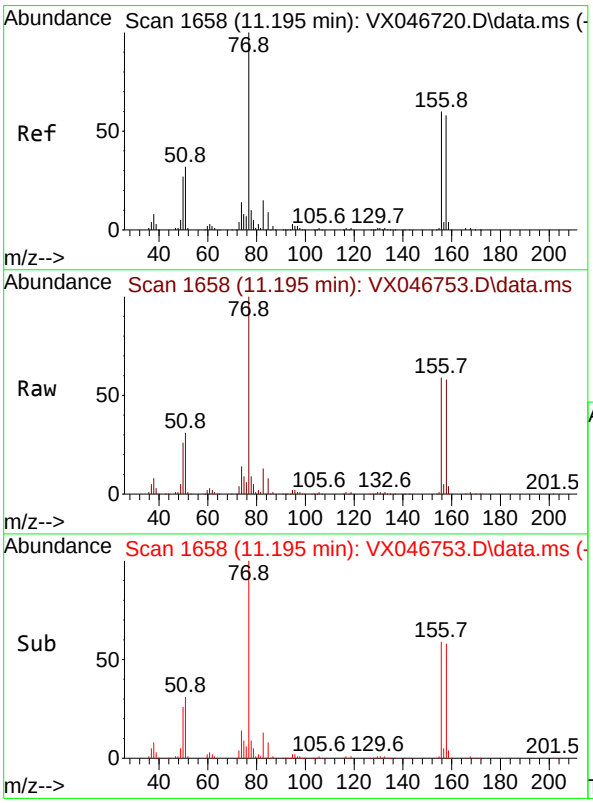
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.6 | 18.5 | 55.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

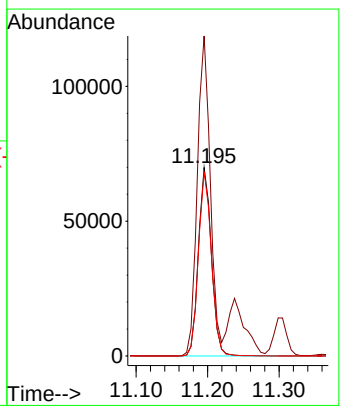


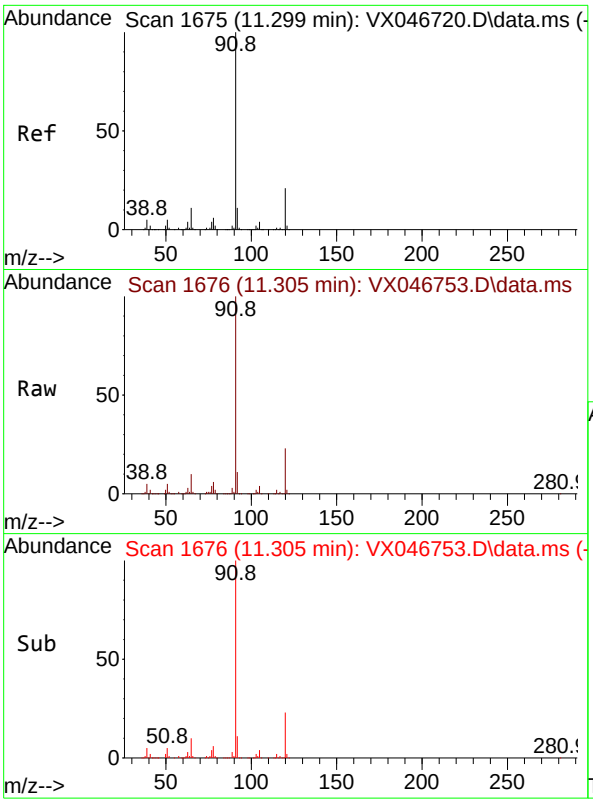




#77
Bromobenzene
Concen: 46.262 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:156 Resp: 88274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.3 | 82.8 | 248.6 |
| 158 | 97.5 | 47.6 | 142.9 |






#78
n-propylbenzene
Concen: 46.845 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

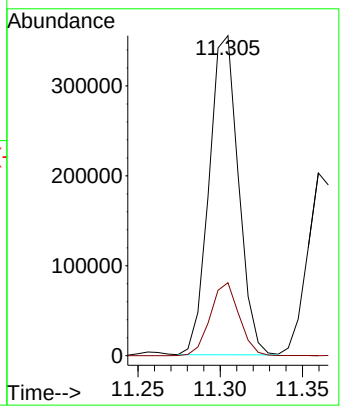
Tgt Ion: 91 Resp: 44119

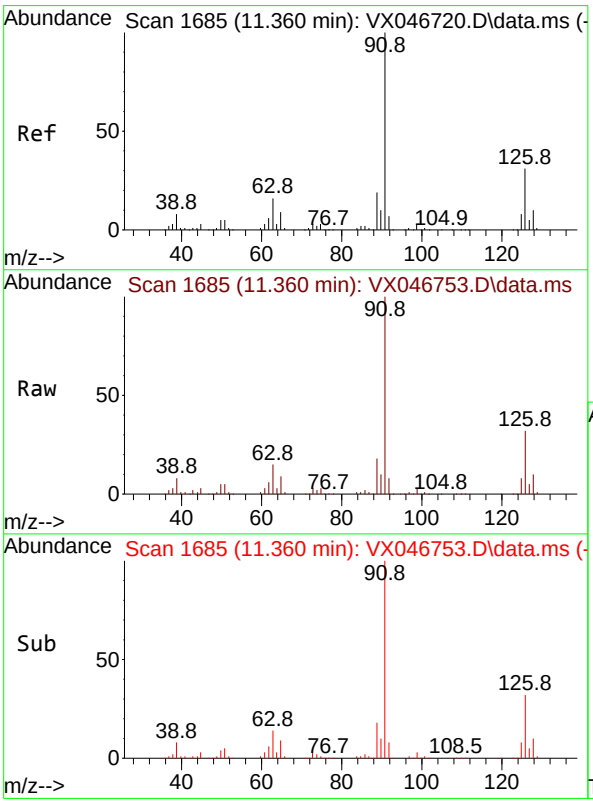
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

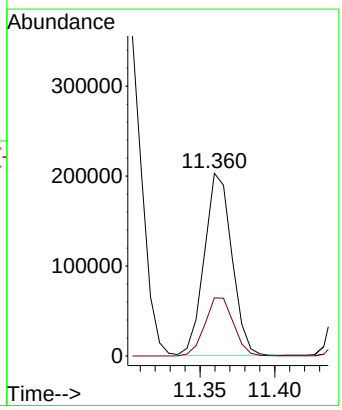


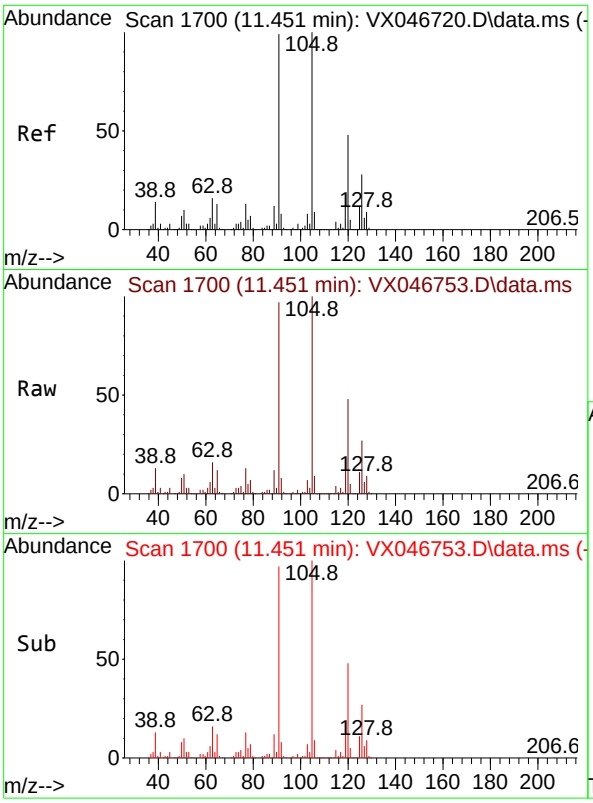




#79
2-Chlorotoluene
Concen: 46.077 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 259099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.7 |

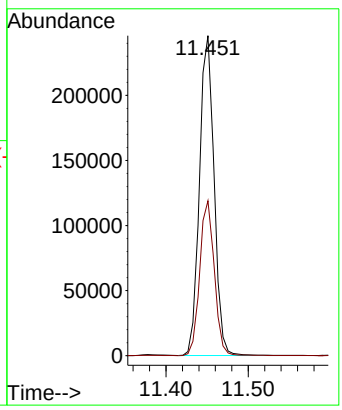





#80
1,3,5-Trimethylbenzene
Concen: 46.723 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 30445

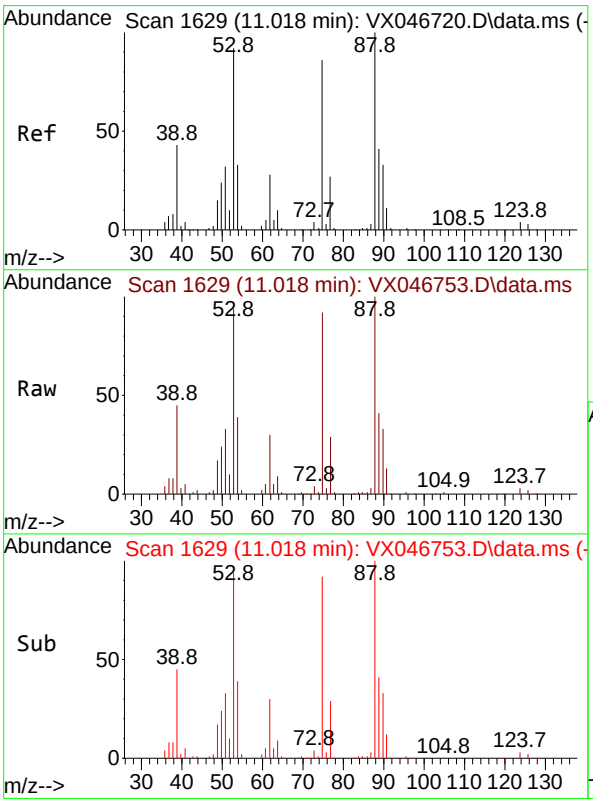
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.1 | 72.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

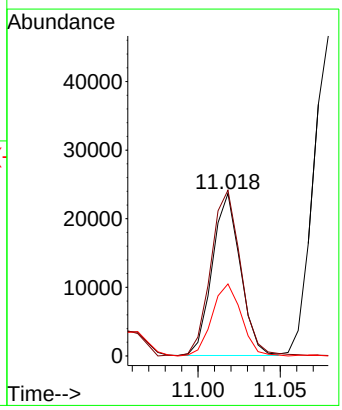
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

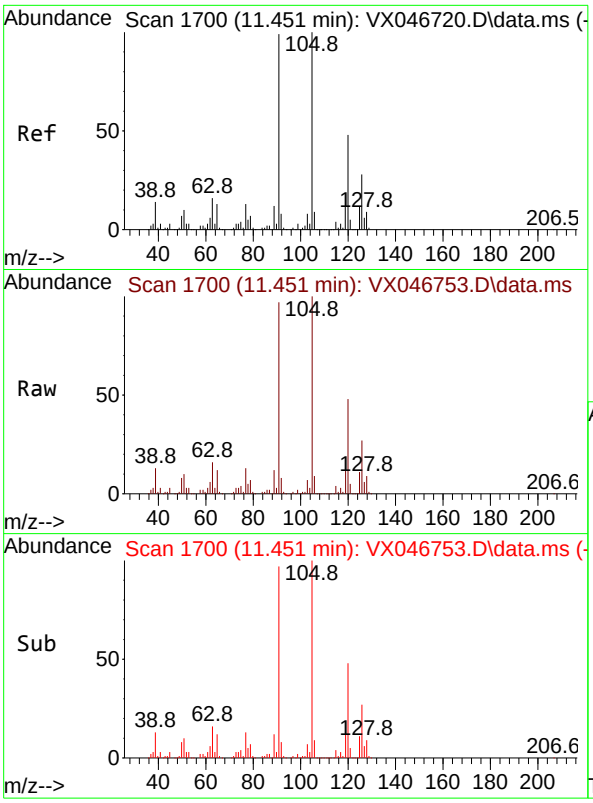



#81
trans-1,4-Dichloro-2-butene
Concen: 40.319 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 28127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.0 | 86.8 | 130.2 |
| 89 | 46.3 | 36.9 | 55.3 |

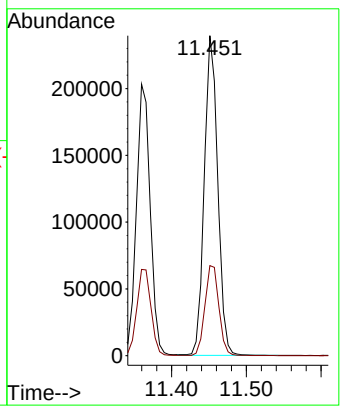





#82
4-Chlorotoluene
Concen: 45.488 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 29852

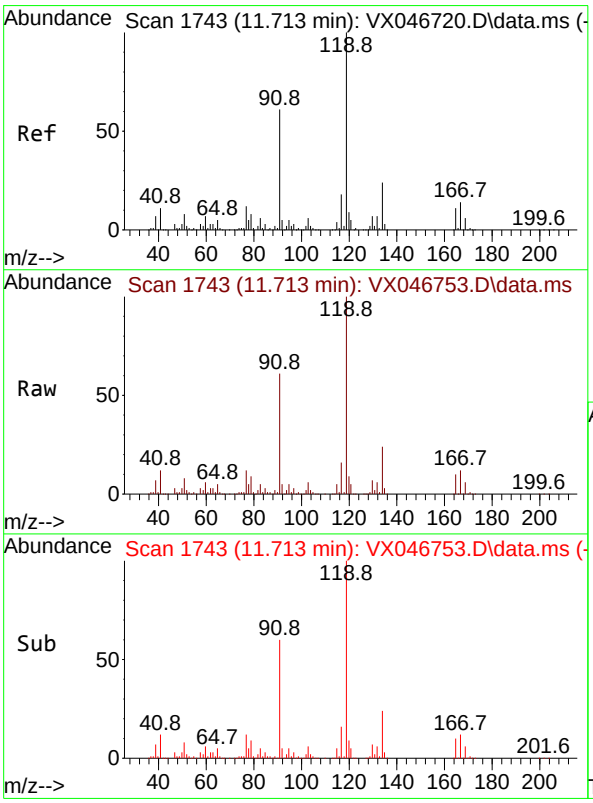
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.4 | 43.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

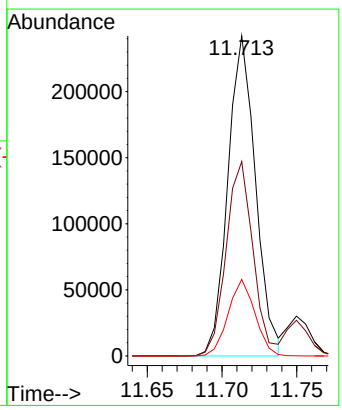
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

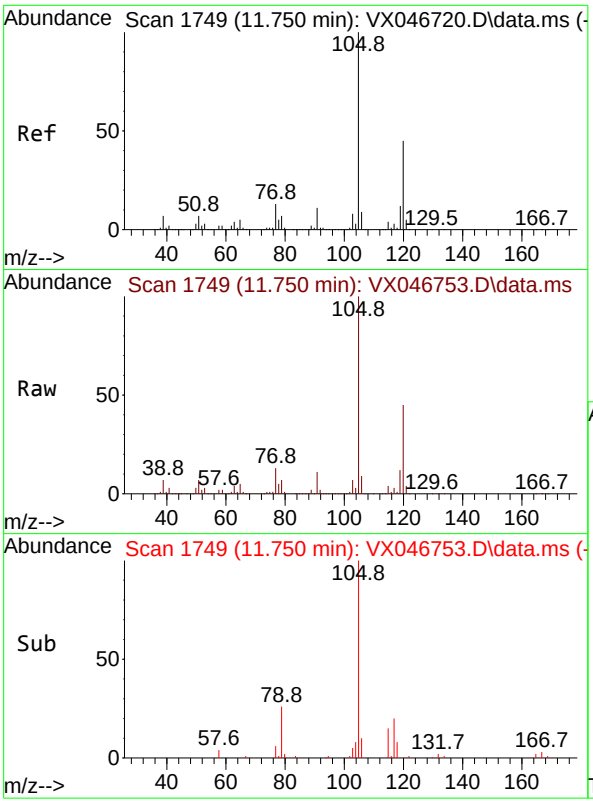



#83
tert-Butylbenzene
Concen: 46.294 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:119 Resp: 311816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.4 | 29.5 | 88.6 |
| 134 | 23.2 | 11.7 | 35.0 |

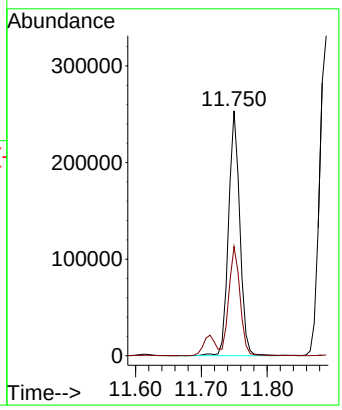





#84
1,2,4-Trimethylbenzene
Concen: 45.969 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 30094

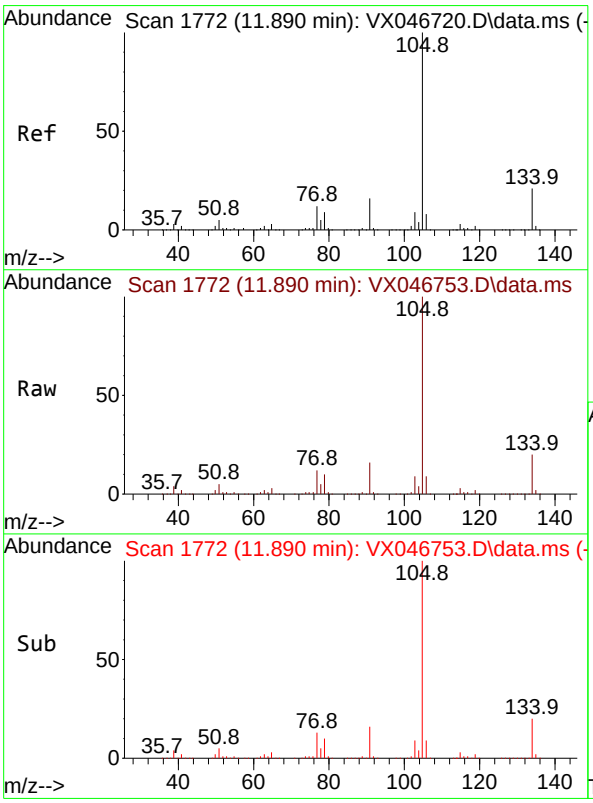
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

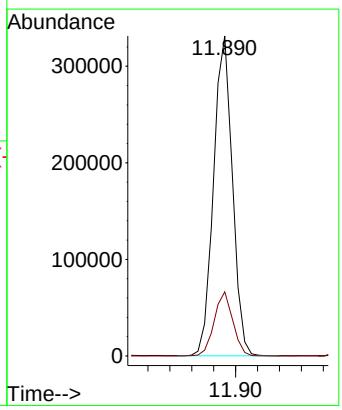
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

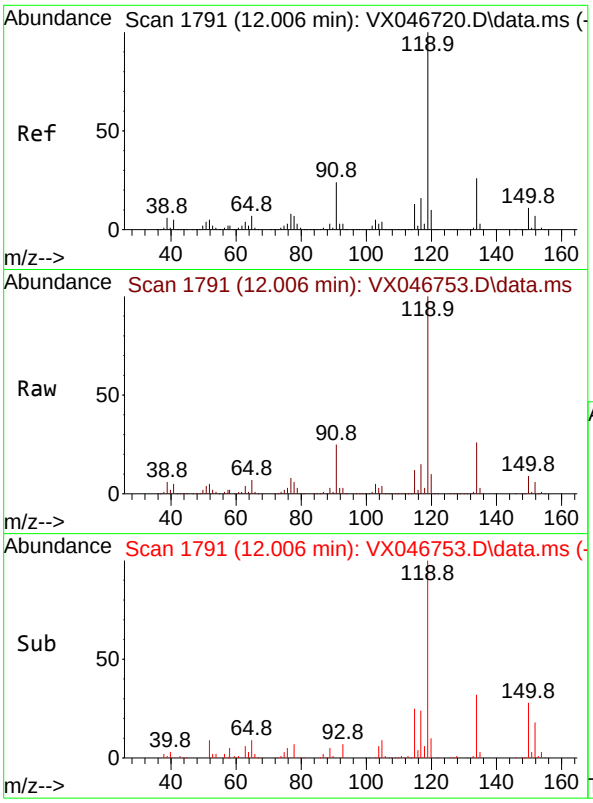



#85
sec-Butylbenzene
Concen: 46.478 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 395643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

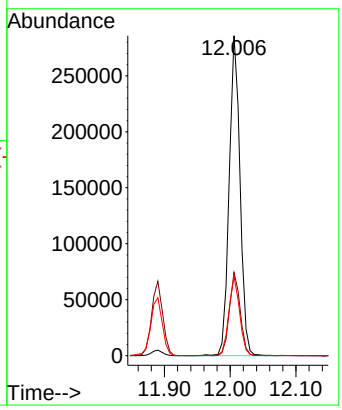





#86
p-Isopropyltoluene
Concen: 45.563 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:119 Resp: 32724

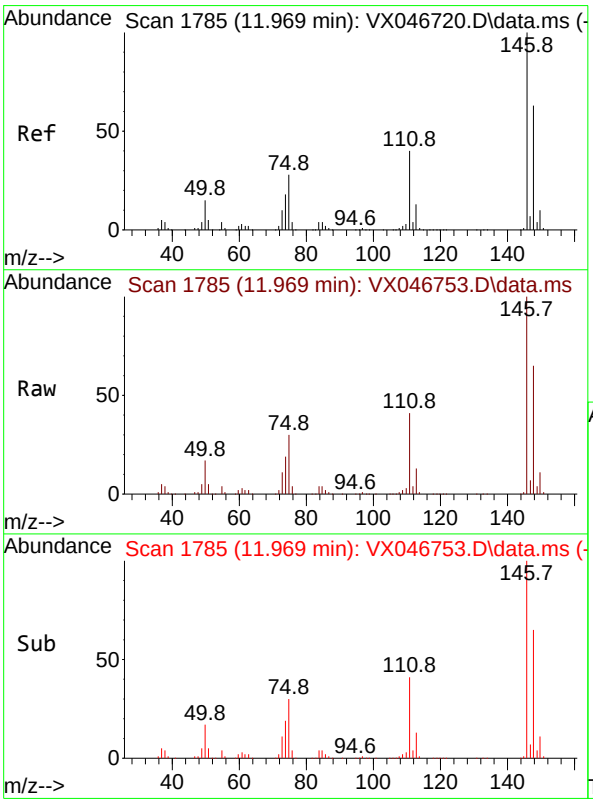
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

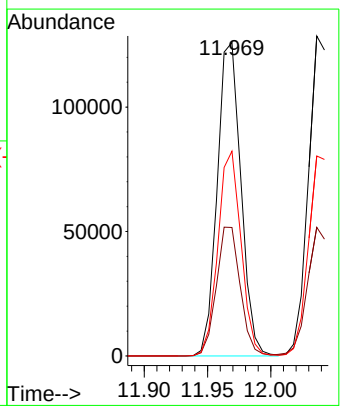
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

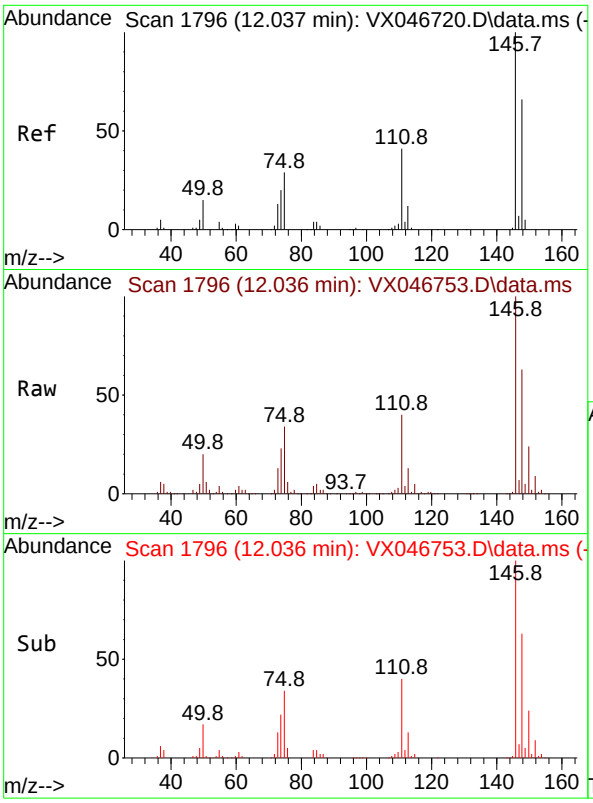



#87
1,3-Dichlorobenzene
Concen: 44.104 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:146 Resp: 164088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 63.7 | 31.6 | 94.8 |

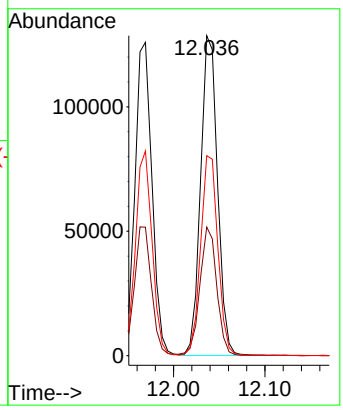





#88
1,4-Dichlorobenzene
Concen: 43.216 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:146 Resp: 16514

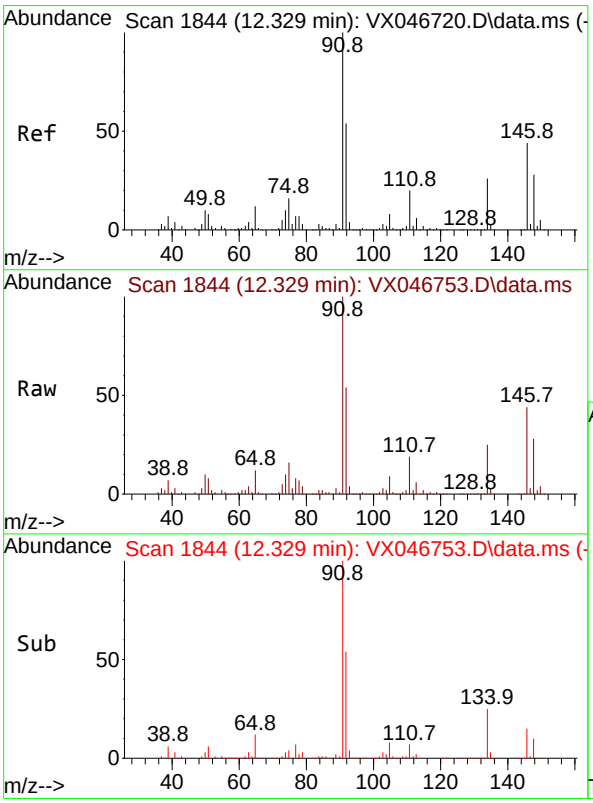
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.3 | 61.0 |
| 148 | 63.6 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

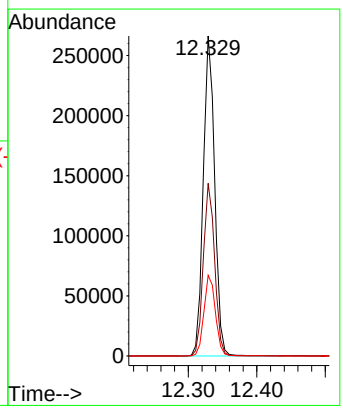
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

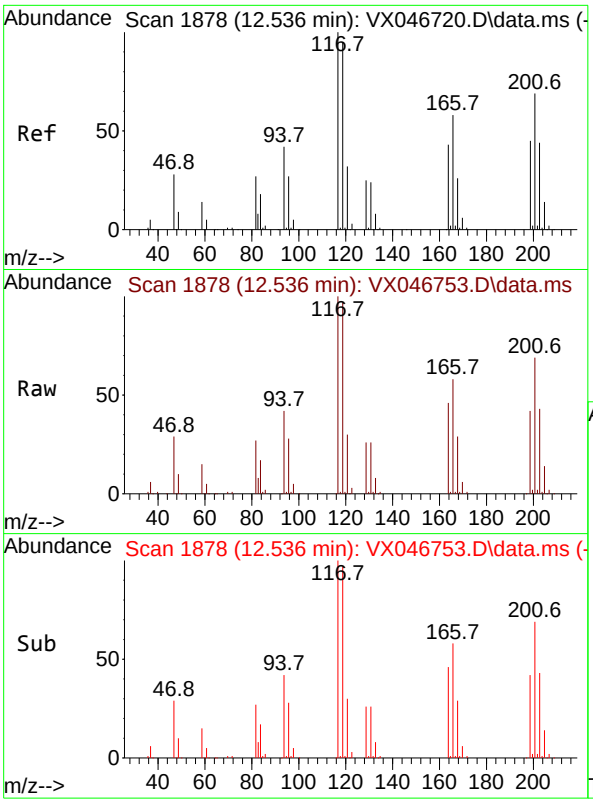



#89
n-Butylbenzene
Concen: 45.200 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 308237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.1 | 81.3 |
| 134 | 25.5 | 12.9 | 38.6 |

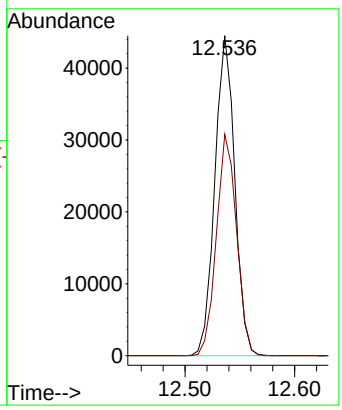





#90
Hexachloroethane
Concen: 44.731 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:117 Resp: 5625

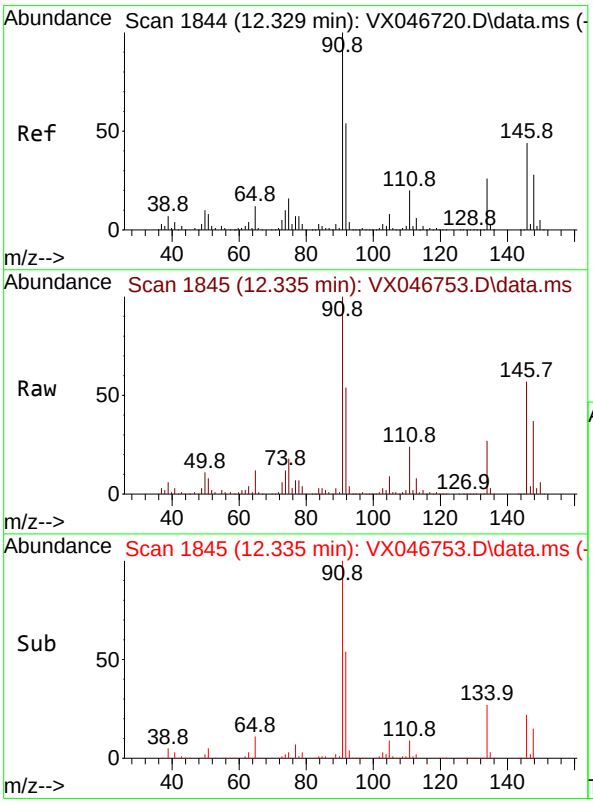
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.1 | 34.4 | 103.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

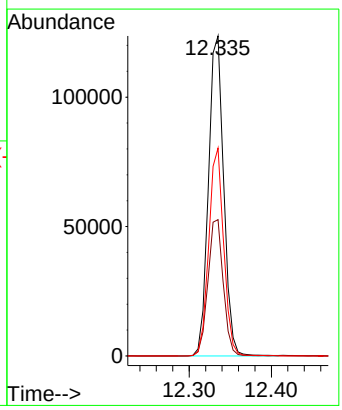
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

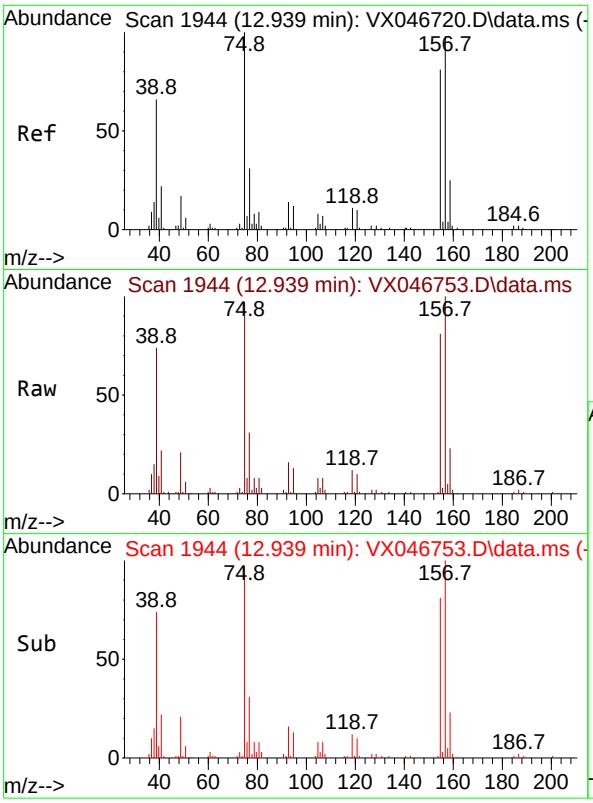



#91
1,2-Dichlorobenzene
Concen: 45.747 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:146 Resp: 159052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.7 | 65.1 |
| 148 | 63.6 | 32.0 | 96.2 |

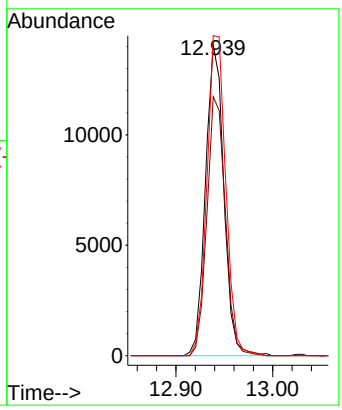





#92
1,2-Dibromo-3-Chloropropane
Concen: 42.584 ug/l
RT: 12.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 1861

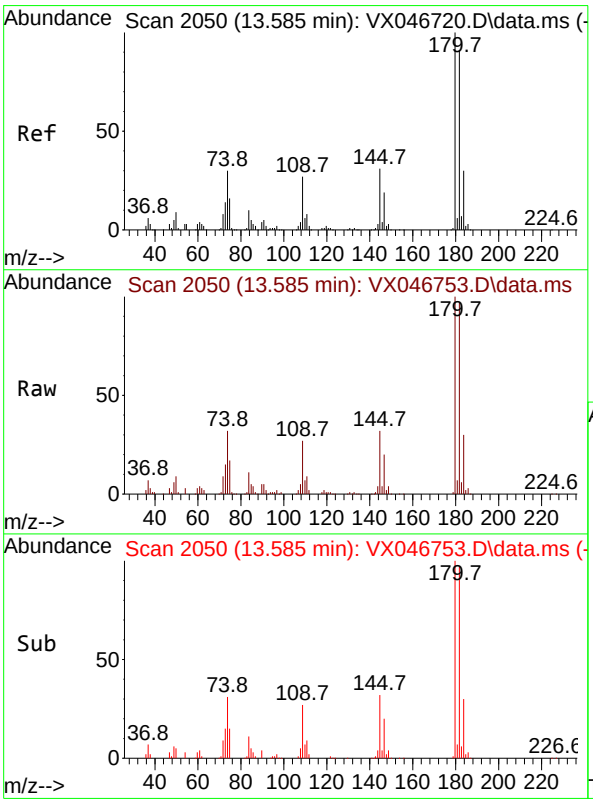
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.4 | 41.9 | 125.7 |
| 157 | 105.8 | 51.4 | 154.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

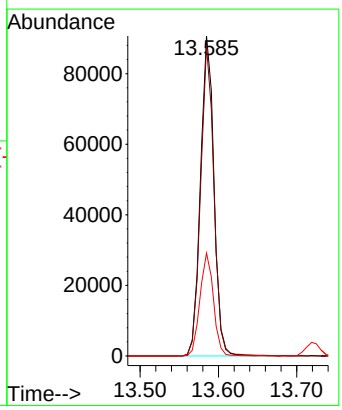
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

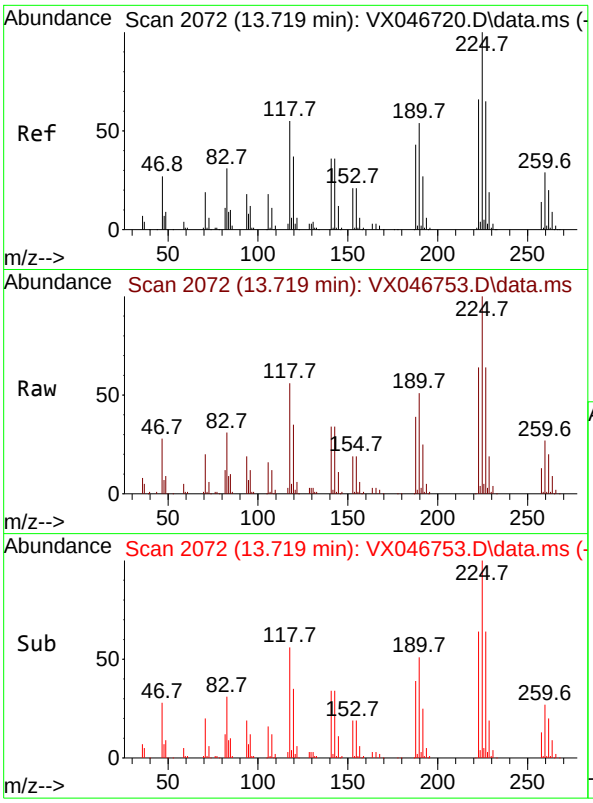



#93
1,2,4-Trichlorobenzene
Concen: 43.840 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:180 Resp: 108363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.7 | 140.1 |
| 145 | 32.1 | 15.8 | 47.4 |

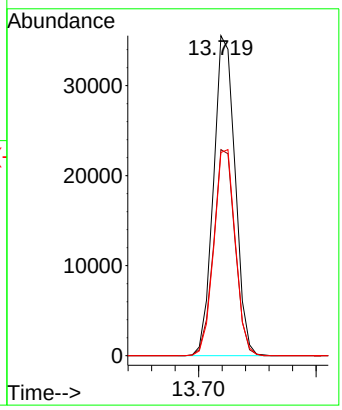





#94
Hexachlorobutadiene
Concen: 43.717 ug/l
RT: 13.719 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:225 Resp: 4545

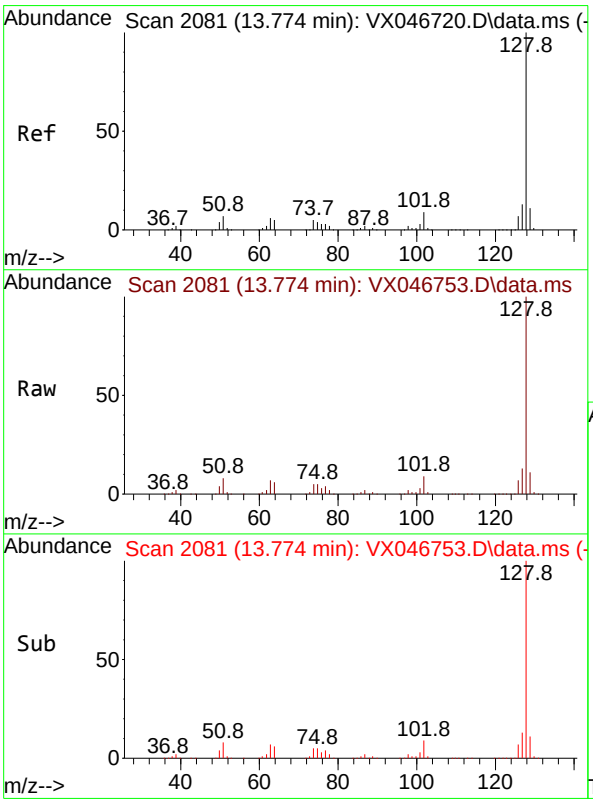
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 32.5 | 97.5 |
| 227 | 63.7 | 32.2 | 96.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

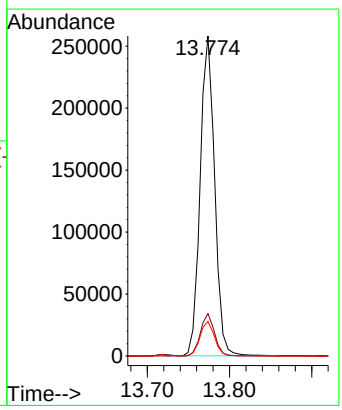
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

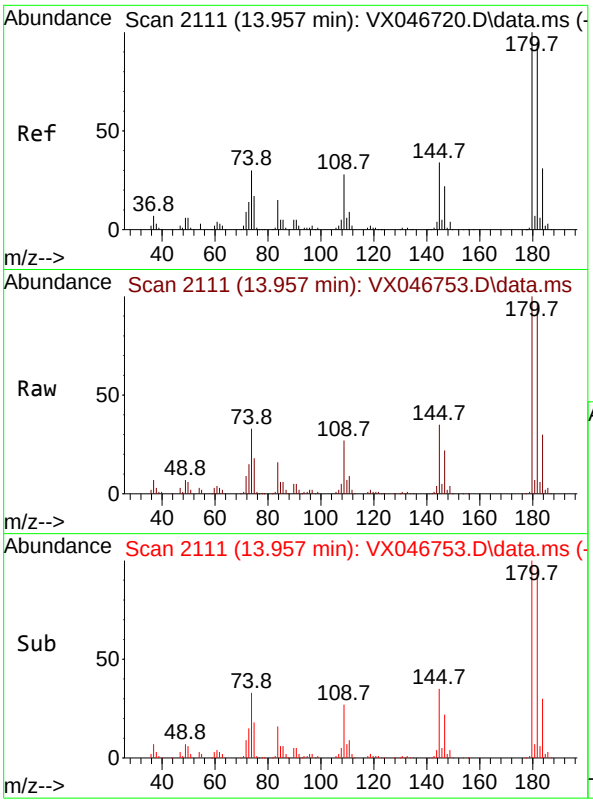



#95
Naphthalene
Concen: 44.859 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:128 Resp: 315902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

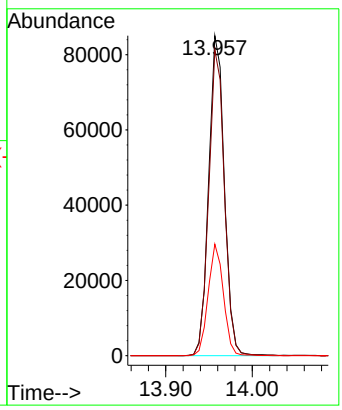





#96
1,2,3-Trichlorobenzene
Concen: 45.185 ug/l
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:180 Resp: 10684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.8 | 143.4 |
| 145 | 34.1 | 17.3 | 51.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MSD | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-09MSD | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046754.D | 1 | | 06/18/25 19:19 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 49.2 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 48.3 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 49.5 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 54.5 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 50.6 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 47.9 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 47.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 49.4 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 210 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 45.7 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 46.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 43.1 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 46.5 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 47.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 48.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 47.2 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 230 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 47.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 48.7 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 55.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 49.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 48.6 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 46.2 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 48.6 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 47.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 48.0 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 49.2 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 48.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 230 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 48.8 | | 0.14 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MSD | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-09MSD | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046754.D | 1 | | 06/18/25 19:19 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 48.3 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 48.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 48.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 230 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 48.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 48.5 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 44.7 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 46.8 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 47.1 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 95.0 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 49.3 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 48.6 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 45.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 48.1 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 47.1 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 44.9 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 43.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 46.9 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 44.3 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 45.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 46.7 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.2 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.3 | | 80 - 119 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.4 | | 89 - 112 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.5 | | 85 - 114 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 136000 | 5.562 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 229000 | 6.769 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 208000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 103000 | 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: | 06/16/25 |
| Project: | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received: | 06/17/25 |
| Client Sample ID: | BPOW6-5-20250616MSD | SDG No.: | Q2345 |
| Lab Sample ID: | Q2345-09MSD | Matrix: | Water |
| Analytical Method: | 8260D | % 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 |
|---|---|---|---|---|
| VX046754.D | 1 | | 06/18/25 19:19 | VX061825 |

| 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\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 136146 | 50.000 ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 229178 | 50.000 ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 208450 | 50.000 ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 102802 | 50.000 ug/l | 0.00 |
| System Monitoring Compounds | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 94570 | 50.219 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.440% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 77727 | 51.260 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.520% | | |
| 50) Toluene-d8 | 8.653 | 98 | 279885 | 51.376 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.760% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 106632 | 52.509 ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.020% | | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 71499 | 49.190 ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 75717 | 48.261 ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 82735 | 49.452 ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 51332 | 54.534 ug/l | 98 |
| 6) Chloroethane | 1.703 | 64 | 51273 | 50.564 ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 121673 | 47.896 ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 43167 | 49.514 ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 73891 | 47.413 ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 91117 | 46.992 ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 31958 | 189.076 ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 74340 | 49.435 ug/l | 98 |
| 13) Acrolein | 2.246 | 56 | 49290 | 200.209 ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 129854 | 47.659 ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 177351 | 233.349 ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 130426 | 207.691 ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 207359 | 45.662 ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 68754 | 43.107 ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 218922 | 46.754 ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 81126 | 46.453 ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 76658 | 47.641 ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 262340 | 50.093 ug/l | 96 |
| 23) Vinyl Acetate | 3.733 | 43 | 965332 | 231.797 ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 144398 | 48.562 ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 200792 | 226.078 ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 90561 | 41.759 ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 92038 | 48.686 ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 75253 | 55.824 ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 130955 | 228.277 ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 148146 | 49.820 ug/l | 95 |
| 31) Cyclohexane | 5.483 | 56 | 133192 | 47.234 ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 126773 | 48.610 ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 104116 | 47.566 ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 84018 | 41.584 ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111625 | 46.991 ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 133155 | 46.228 ug/l | 97 |
| 40) Benzene | 6.050 | 78 | 314925 | 48.615 ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations APPROVED**
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 52495 | 48.736 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 108485 | 47.657 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 140603 | 44.472 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 79238 | 47.998 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 79040 | 49.233 | ug/l | | 97 |
| 46) Dibromomethane | 7.586 | 93 | 55469 | 48.075 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 114825 | 48.767 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 77040 | 48.587 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17811 | 778.593 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 438885 | 232.751 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 195988 | 48.803 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105565 | 48.322 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 119051 | 48.004 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72658 | 48.550 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 108226 | 48.989 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 126284 | 49.000 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 296453 | 227.408 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 85100 | 48.252 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 73799 | 48.479 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 64553 | 44.698 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 215369 | 46.805 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 73173 | 47.316 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 378857 | 47.122 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284493 | 94.966 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 138291 | 49.257 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 238827 | 48.609 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54094 | 45.930 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 364190 | 48.101 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 127025 | 44.281 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 99601 | 47.113 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 90747m | 48.197 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 86823 | 47.653 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 431403 | 47.971 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 251143 | 46.774 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 296303 | 47.623 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28498 | 42.782 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 295188 | 47.107 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 305236 | 47.460 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298376 | 47.732 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 384840 | 47.347 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 319898 | 46.646 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 159621 | 44.932 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 160122 | 43.882 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 301016 | 46.228 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55160 | 45.931 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 155619 | 46.876 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18501 | 44.327 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 107118 | 45.385 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45542 | 45.870 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 315148 | 46.868 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105398 | 46.678 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

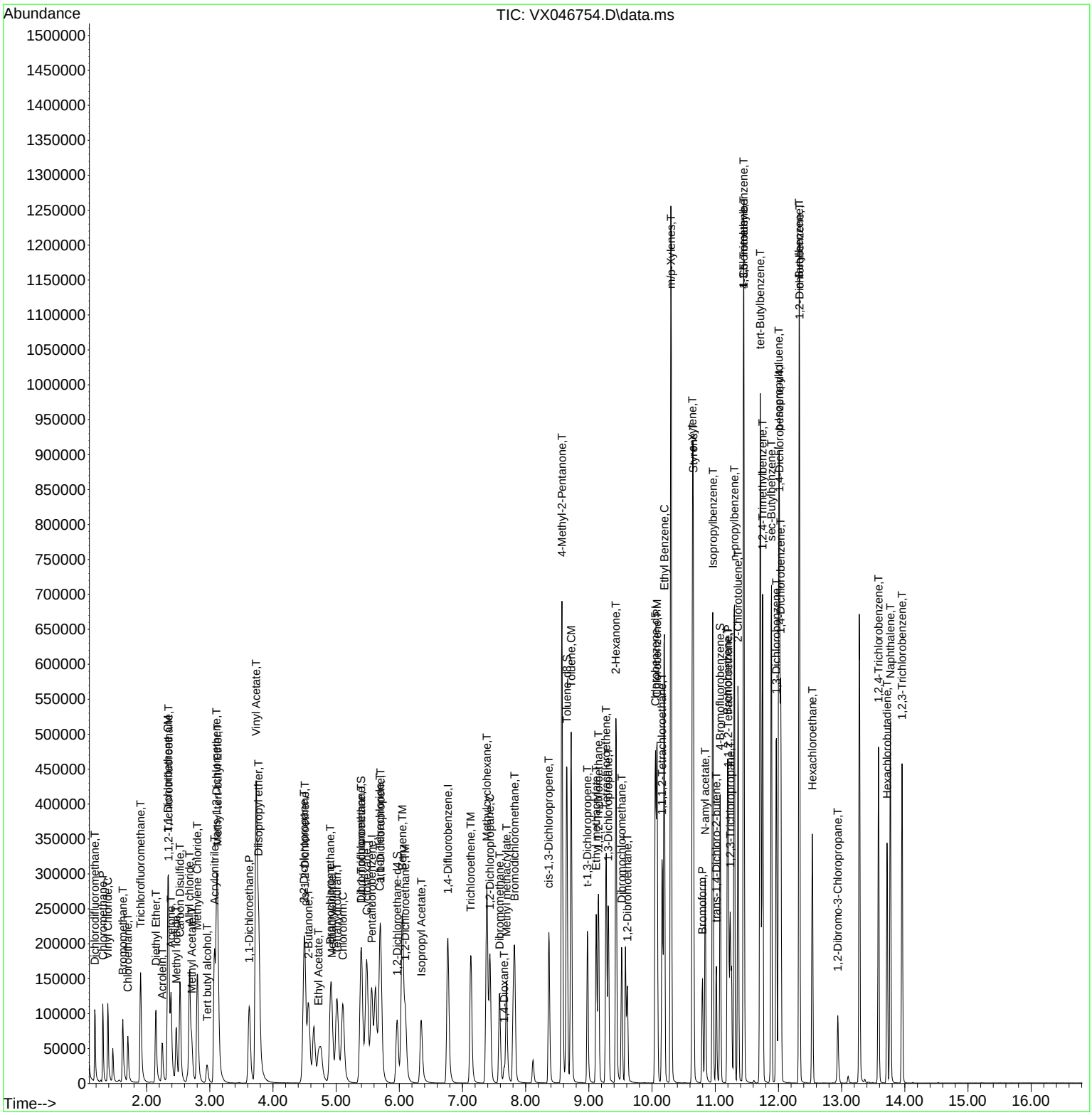
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Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

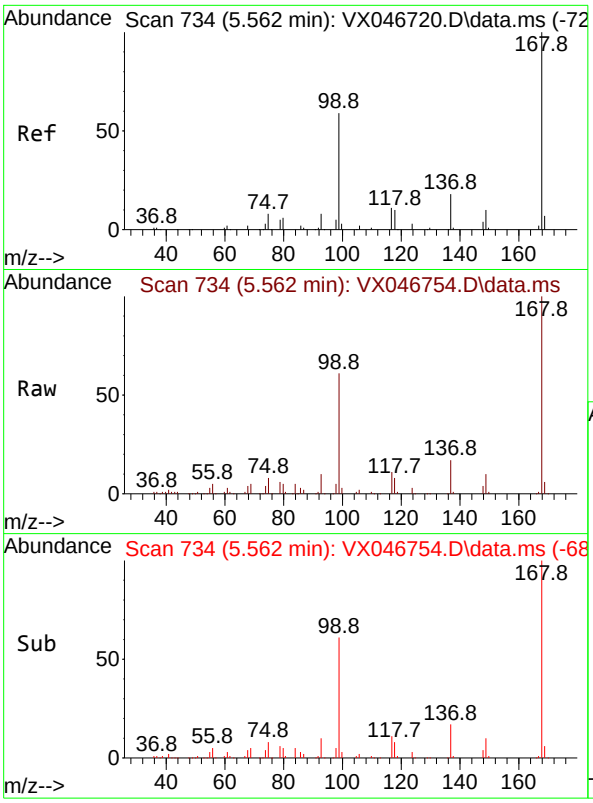
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

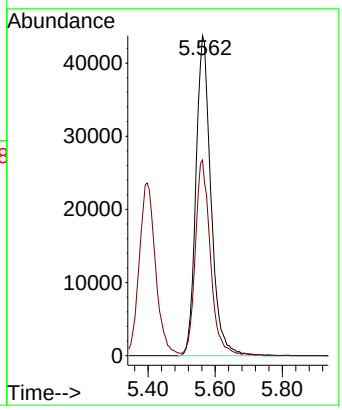





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:168 Resp: 13614

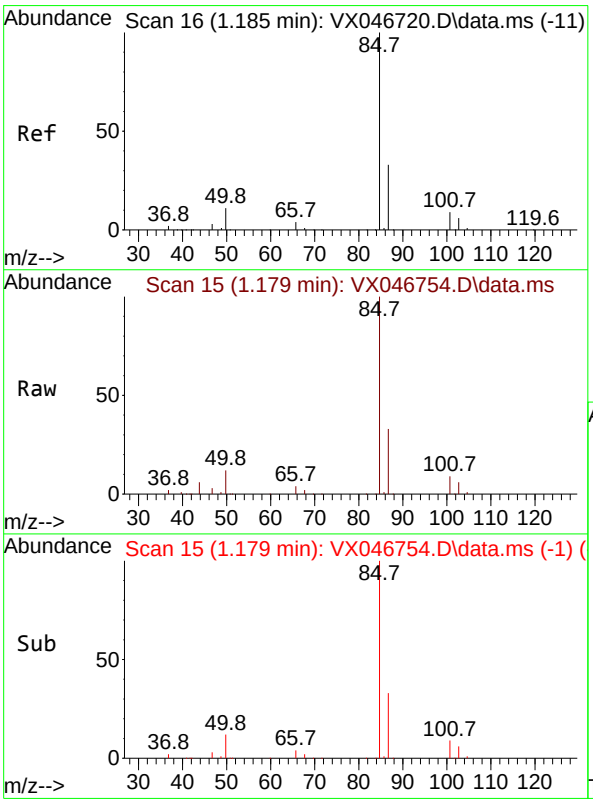
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 48.5 | 72.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

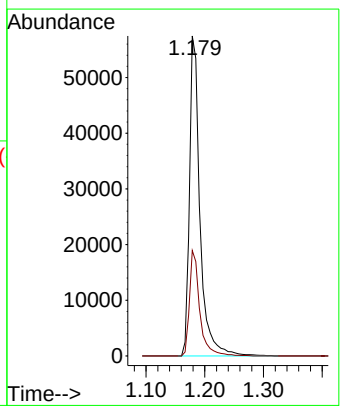
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

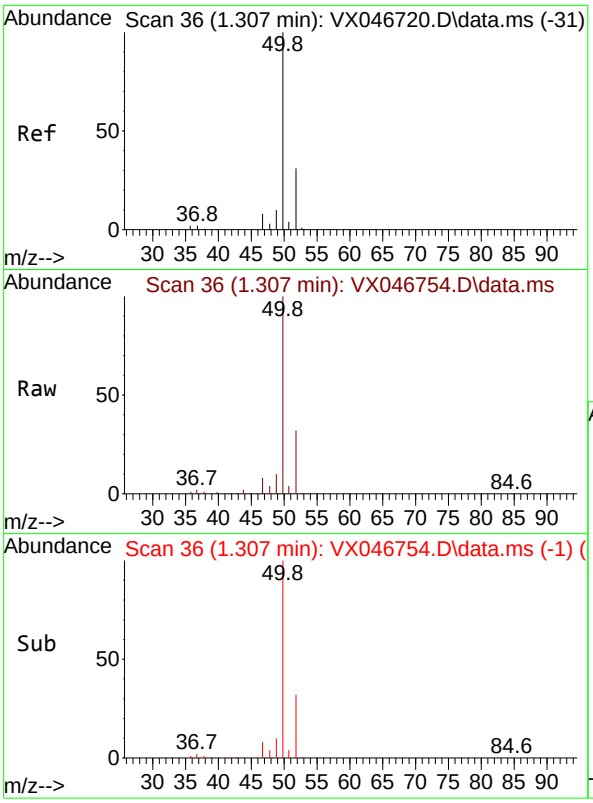



#2
Dichlorodifluoromethane
Concen: 49.190 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 85 Resp: 71499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 16.6 | 49.8 |

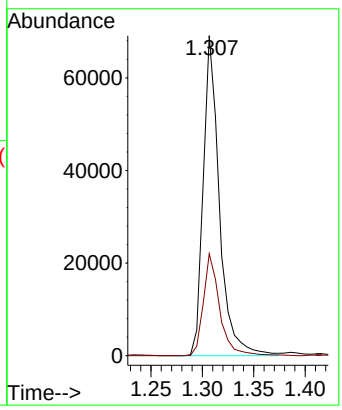





#3
Chloromethane
Concen: 48.261 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 50 Resp: 7571

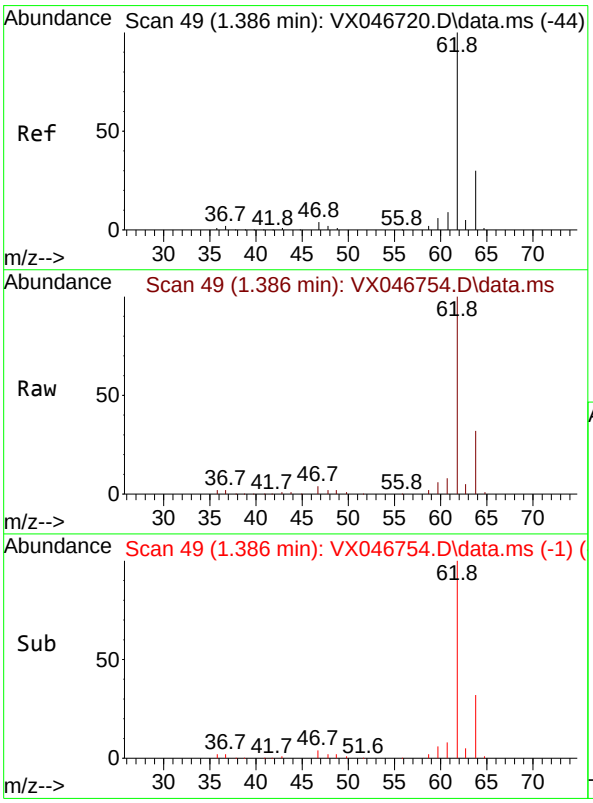
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

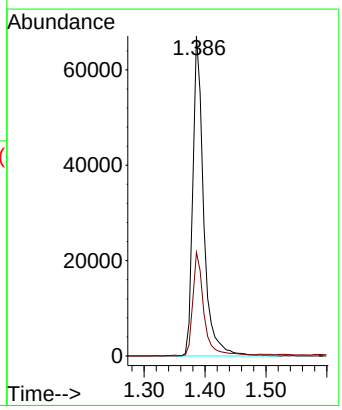
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

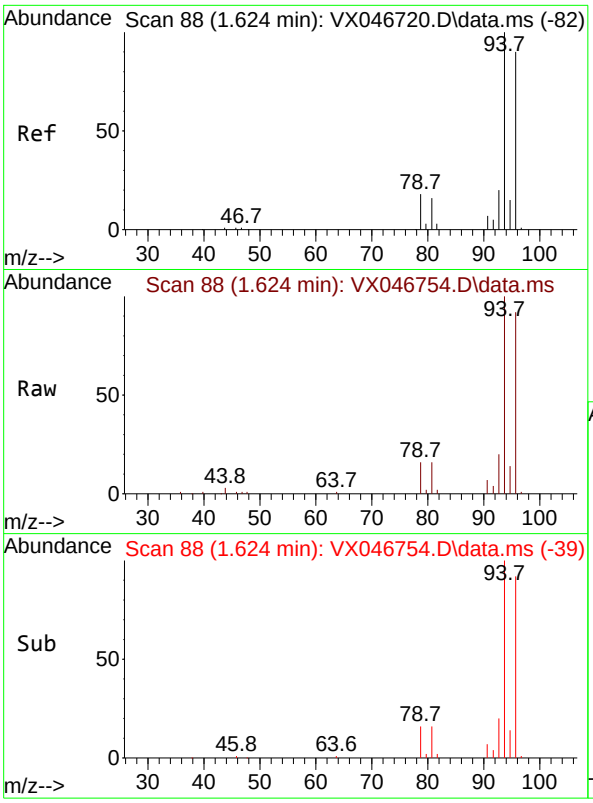



#4
Vinyl Chloride
Concen: 49.452 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 62 Resp: 82735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 23.9 | 35.9 |

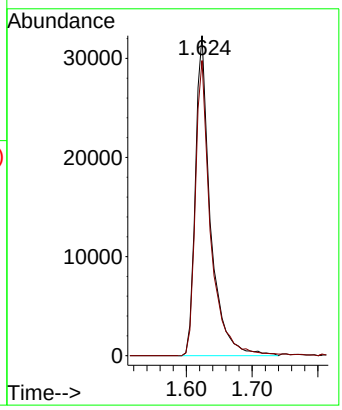





#5
Bromomethane
Concen: 54.534 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 94 Resp: 5133

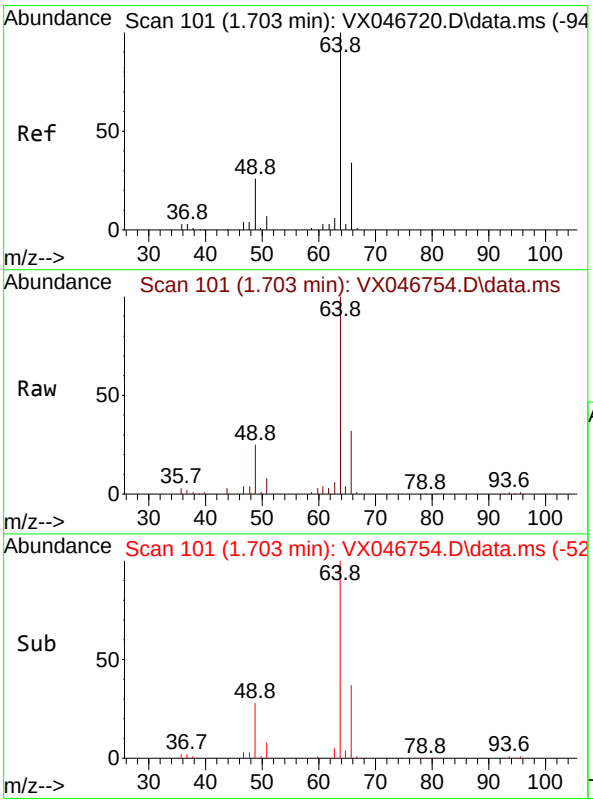
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.3 | 72.3 | 108.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

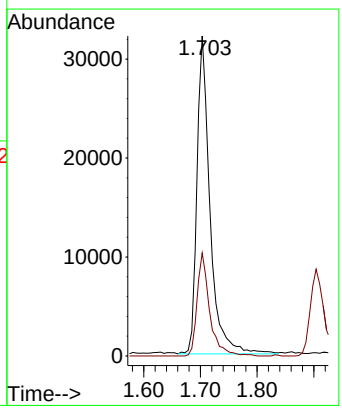
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

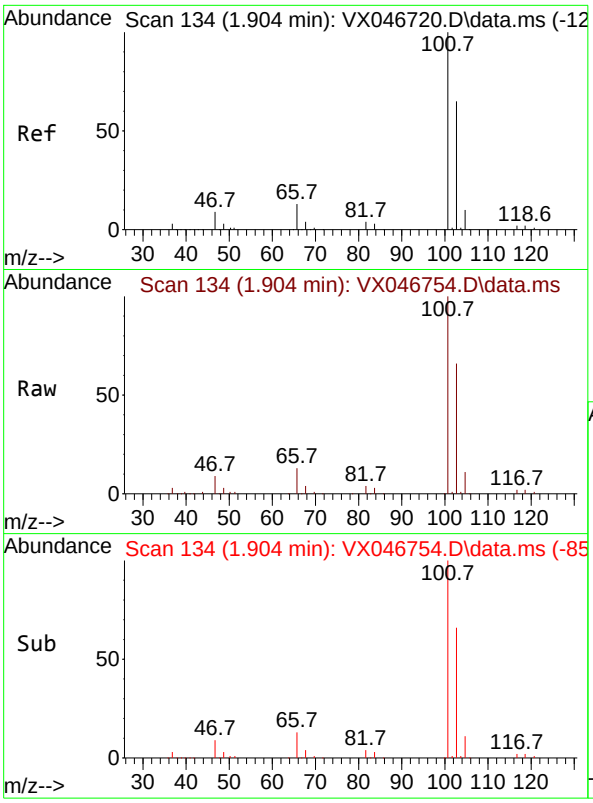



#6
Chloroethane
Concen: 50.564 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 64 Resp: 51273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 27.1 | 40.7 |






#7
Trichlorofluoromethane
Concen: 47.896 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

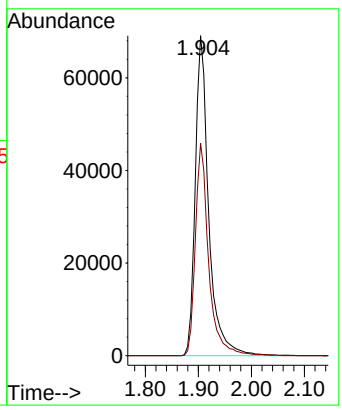
Tgt Ion:101 Resp: 12167

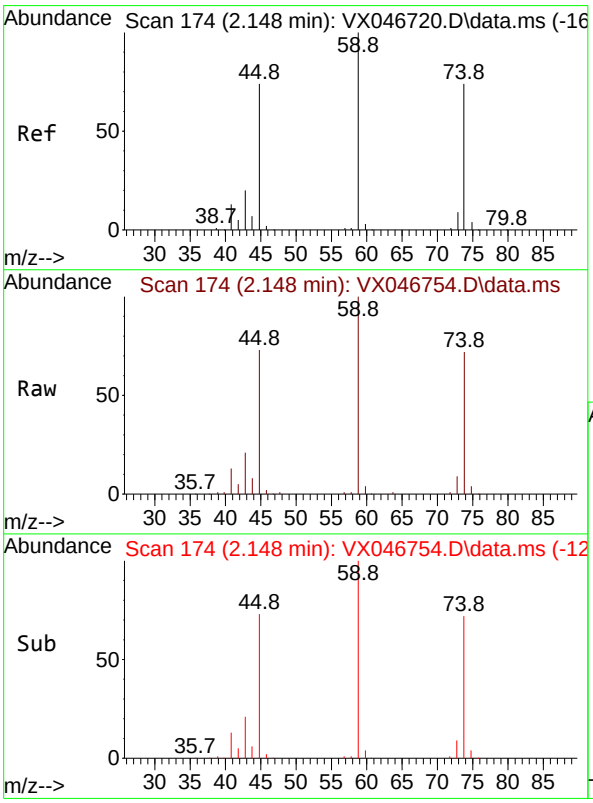
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

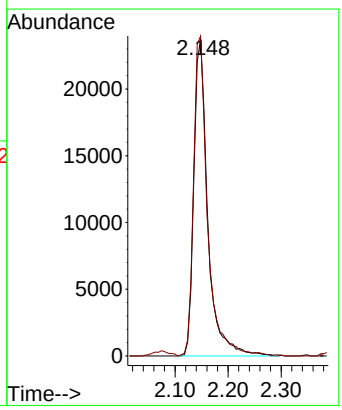


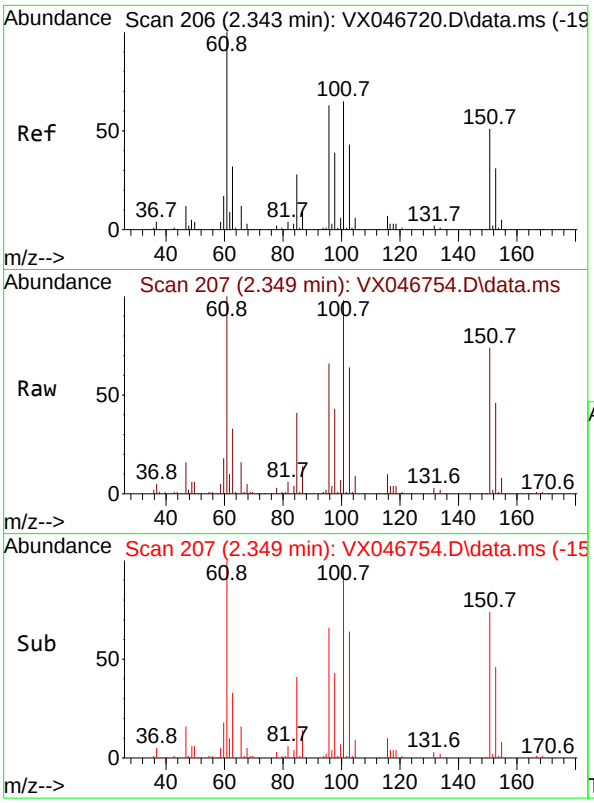




#8
Diethyl Ether
Concen: 49.514 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 74 Resp: 43167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.8 | 52.3 | 157.1 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.413 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

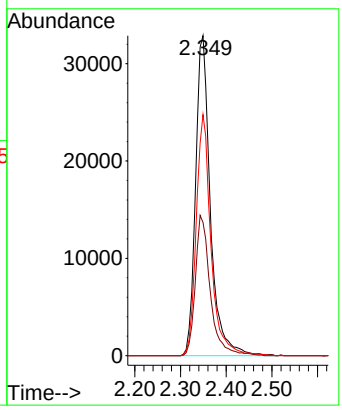
Tgt Ion:101 Resp: 7389

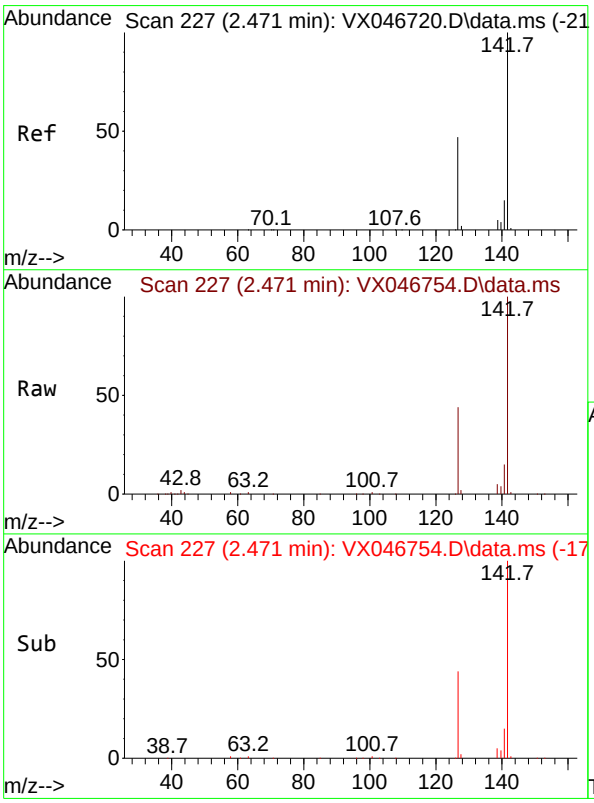
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.3 | 35.4 | 53.0 |
| 151 | 75.3 | 61.2 | 91.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

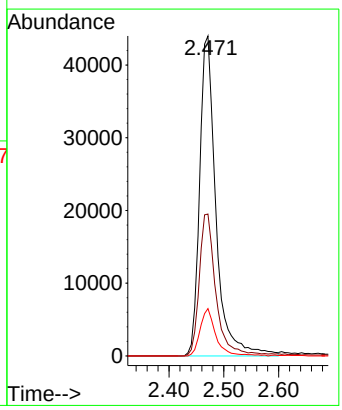


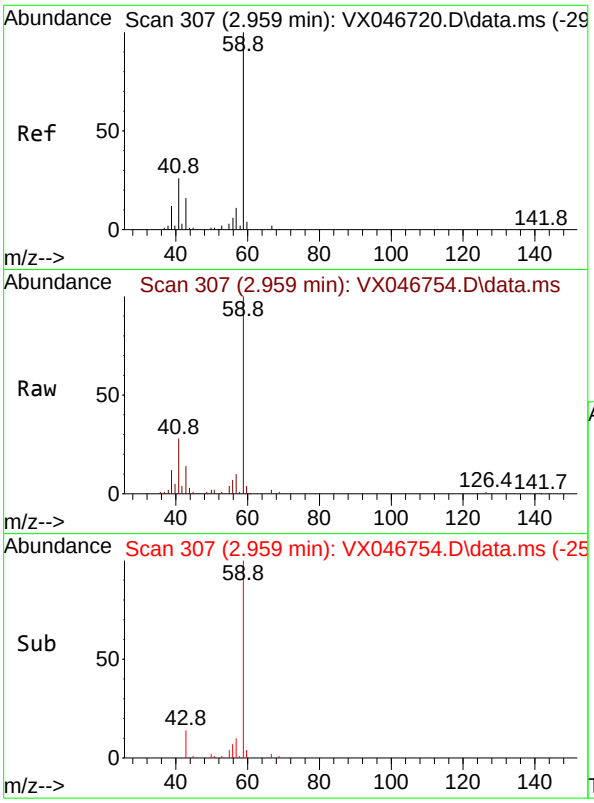




#10
Methyl Iodide
Concen: 46.992 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:142 Resp: 91117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.4 | 37.0 | 55.6 |
| 141 | 14.3 | 11.5 | 17.3 |






#11
Tert butyl alcohol
Concen: 189.076 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

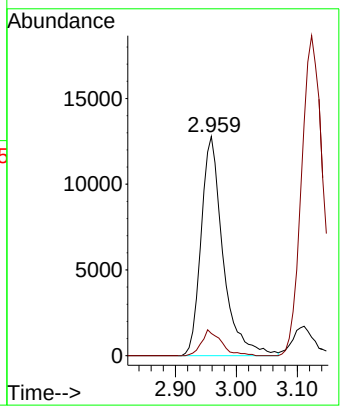
Tgt Ion: 59 Resp: 3195

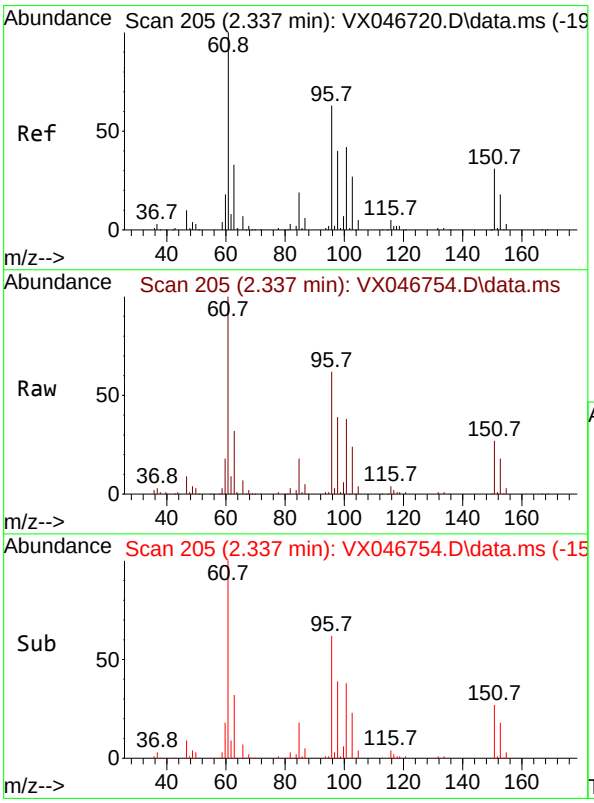
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

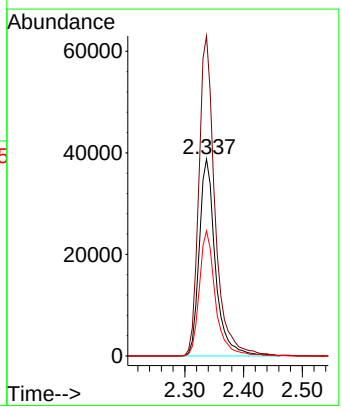


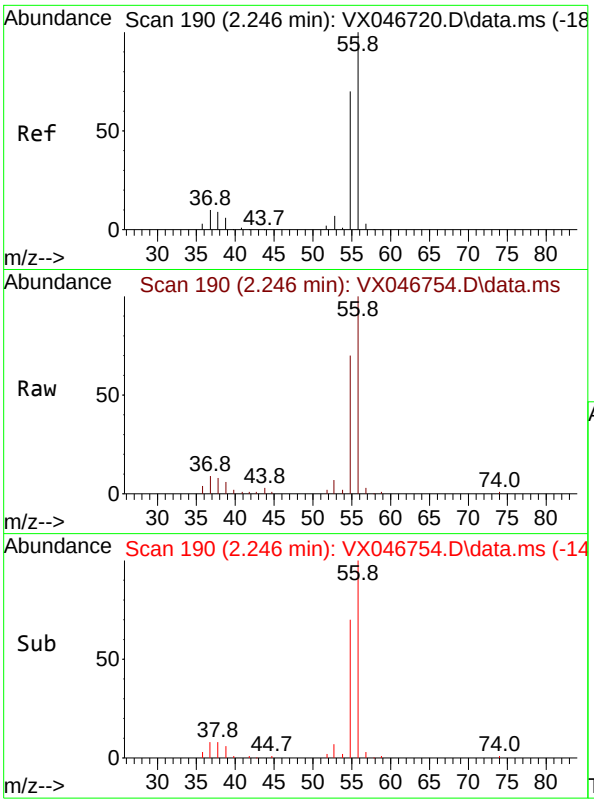




#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 96 Resp: 74340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.4 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |

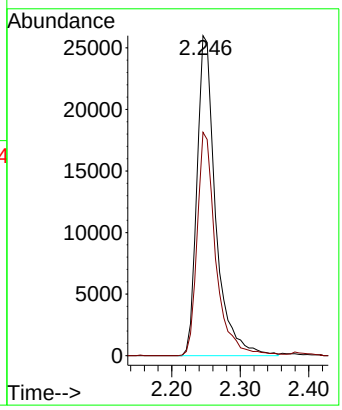





#13
Acrolein
Concen: 200.209 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 56 Resp: 4929

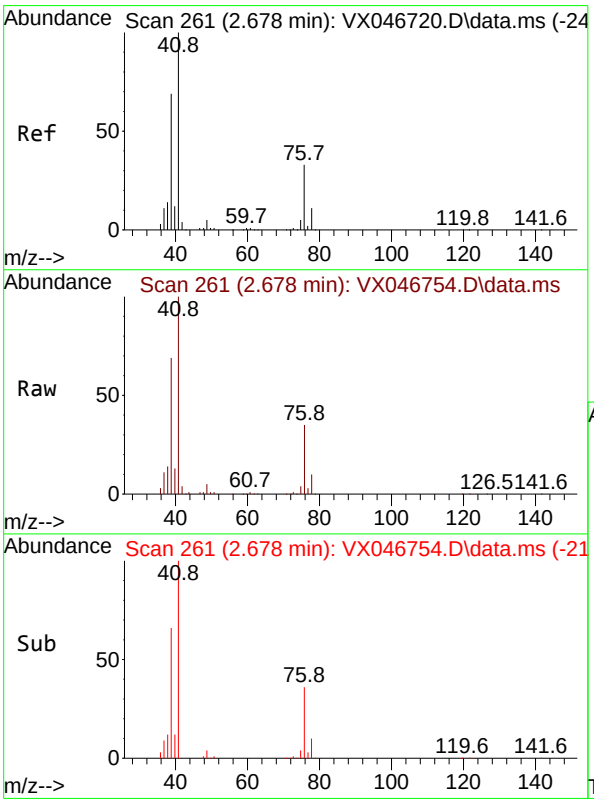
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 55.2 | 82.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

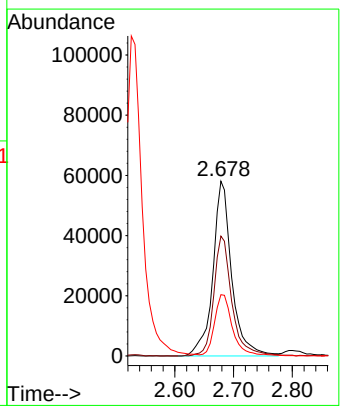
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

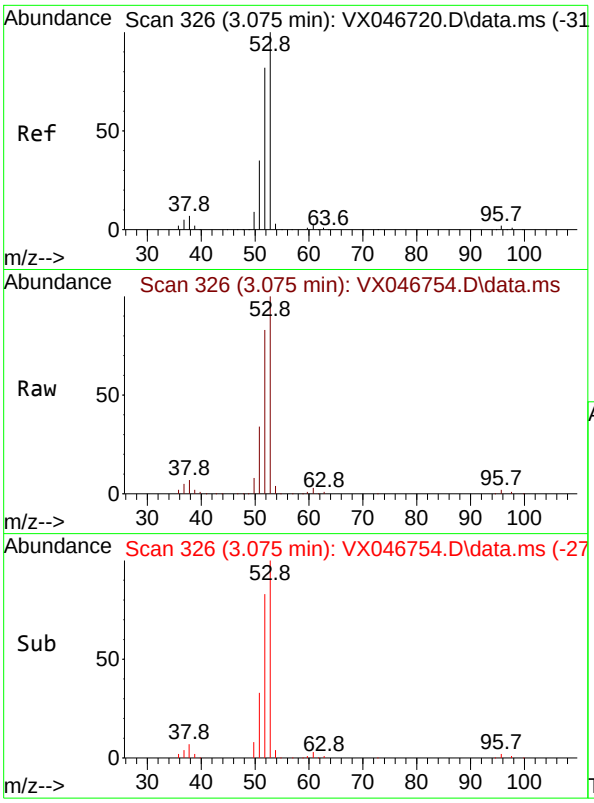



#14
Allyl chloride
Concen: 47.659 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 41 Resp: 129854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.4 | 53.6 | 80.4 |
| 76 | 33.5 | 26.8 | 40.2 |

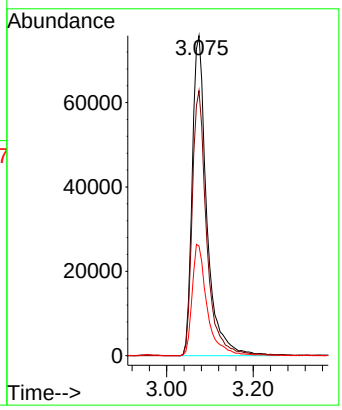





#15
Acrylonitrile
Concen: 233.349 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 53 Resp: 17735

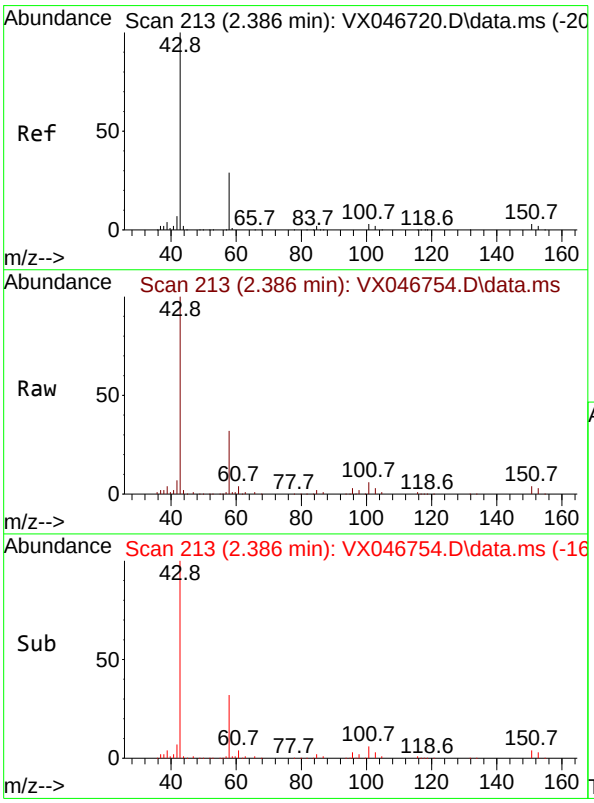
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 65.1 | 97.7 |
| 51 | 35.7 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

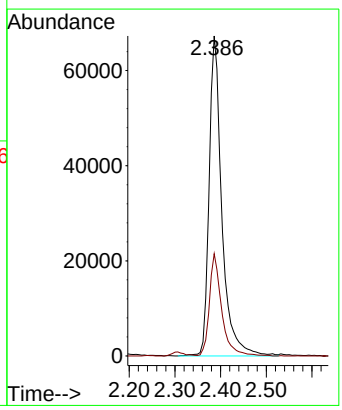
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

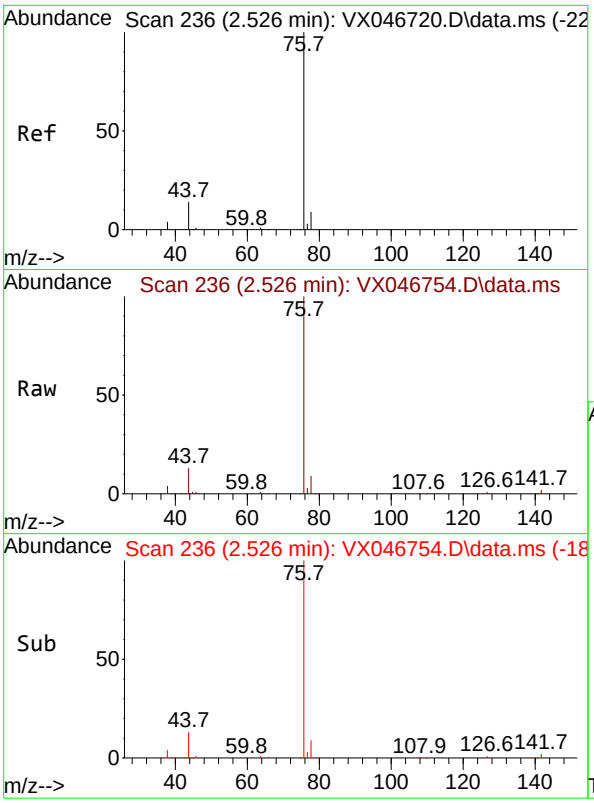



#16
Acetone
Concen: 207.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 130426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.0 | 24.5 | 36.7 |






#17
Carbon Disulfide
Concen: 45.662 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

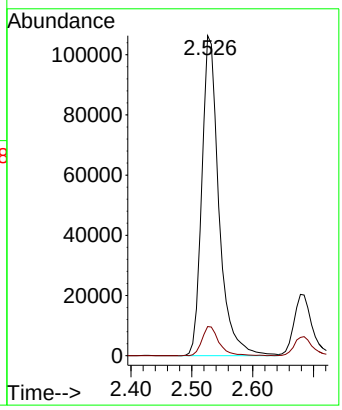
Tgt Ion: 76 Resp: 20735

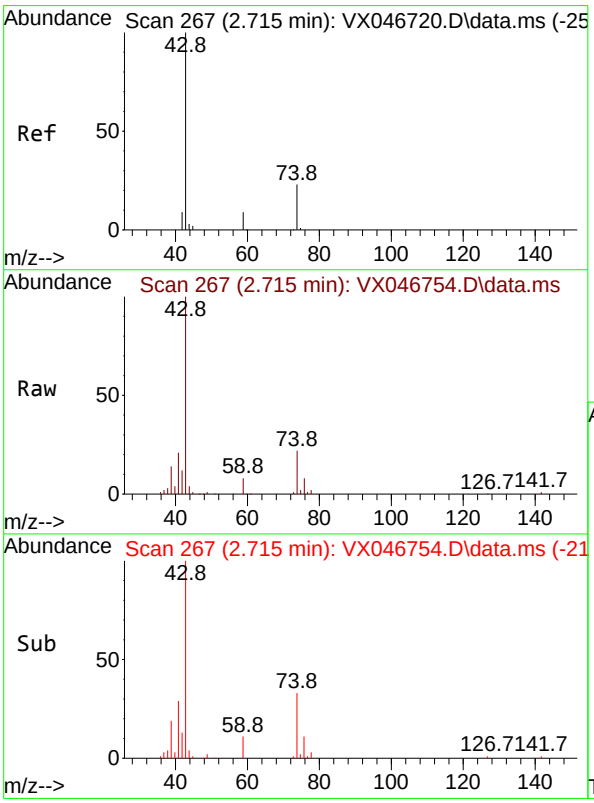
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

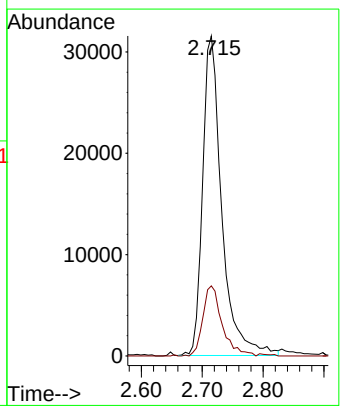


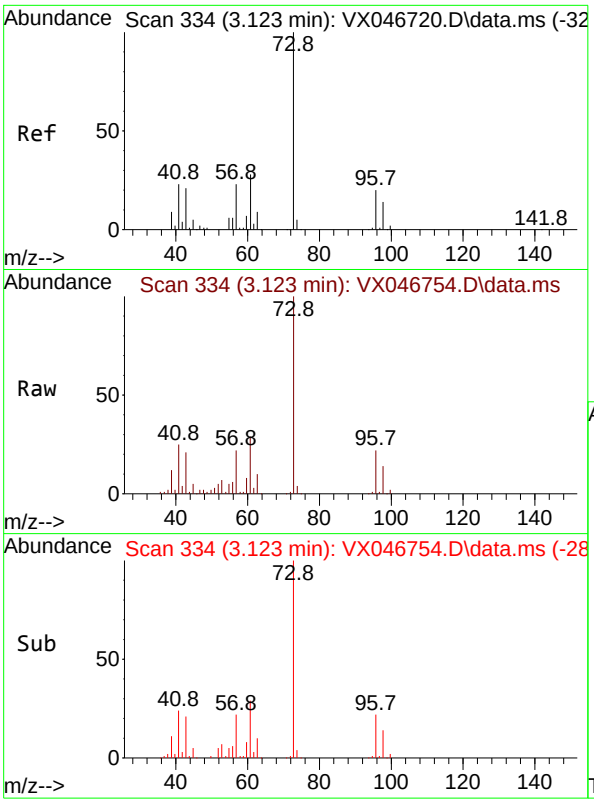




#18
Methyl Acetate
Concen: 43.107 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 68754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 18.4 | 27.6 |

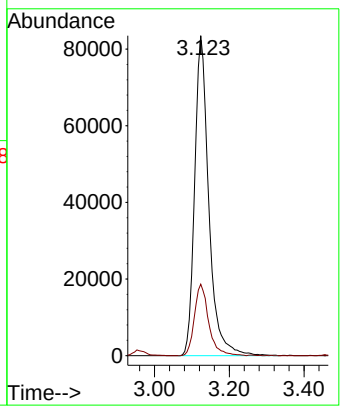





#19
Methyl tert-butyl Ether
Concen: 46.754 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 73 Resp: 21892

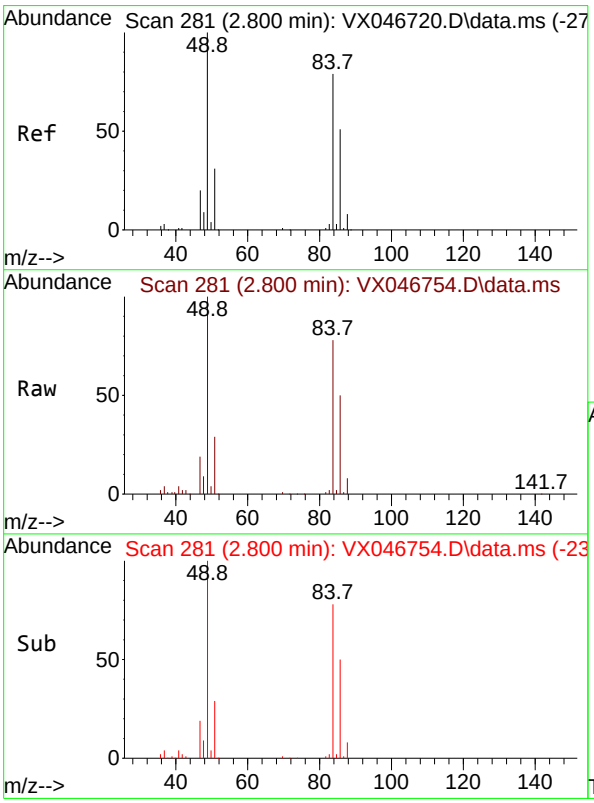
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.4 | 18.2 | 27.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

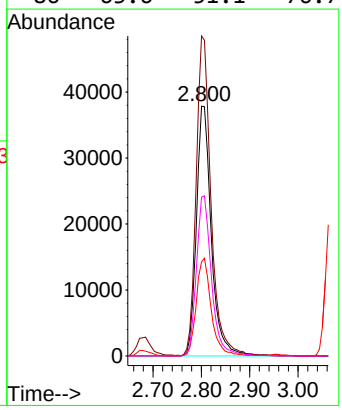
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

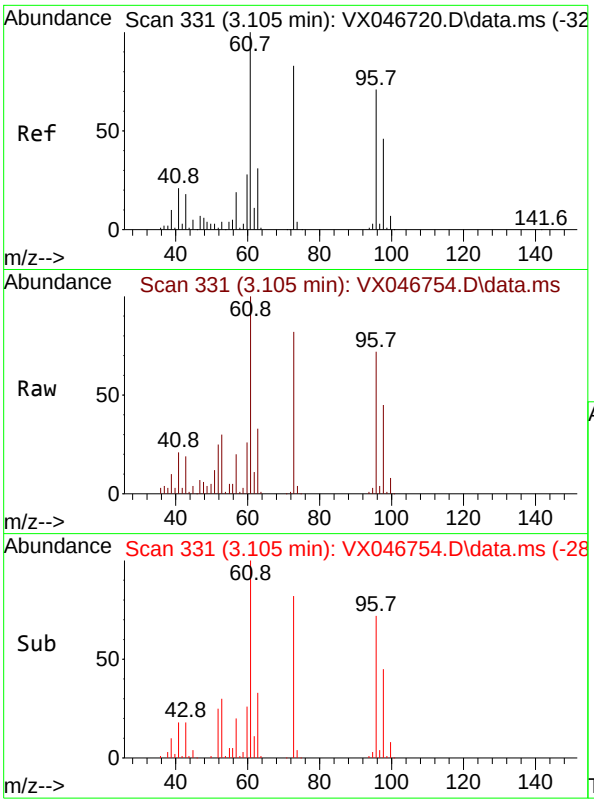



#20
Methylene Chloride
Concen: 46.453 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 84 Resp: 81126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 101.3 | 151.9 |
| 51 | 37.7 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |

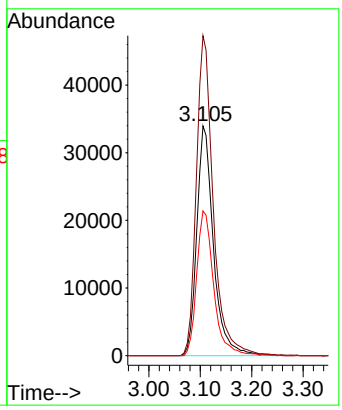





#21
trans-1,2-Dichloroethene
Concen: 47.641 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 96 Resp: 7665

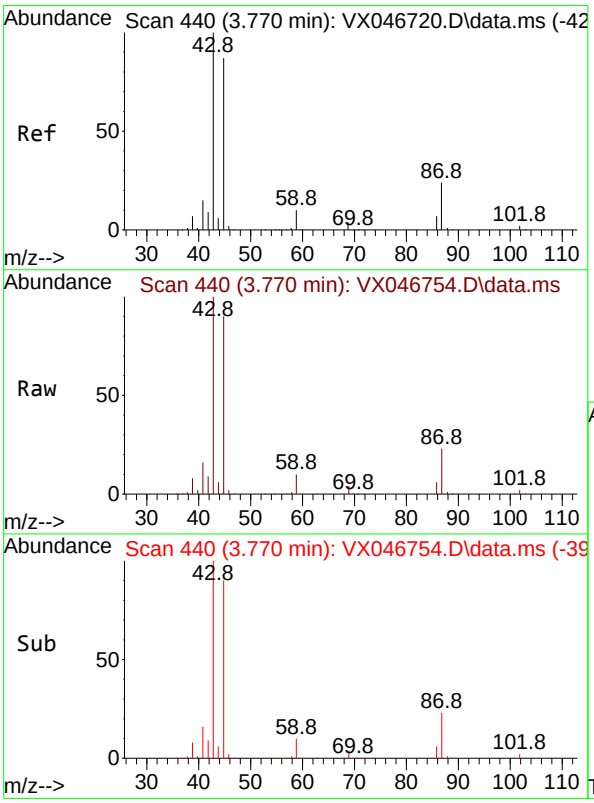
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.3 | 112.5 | 168.7 |
| 98 | 63.0 | 51.9 | 77.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

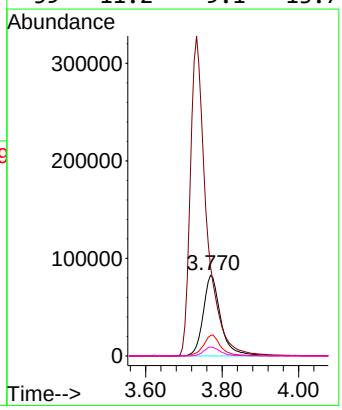
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

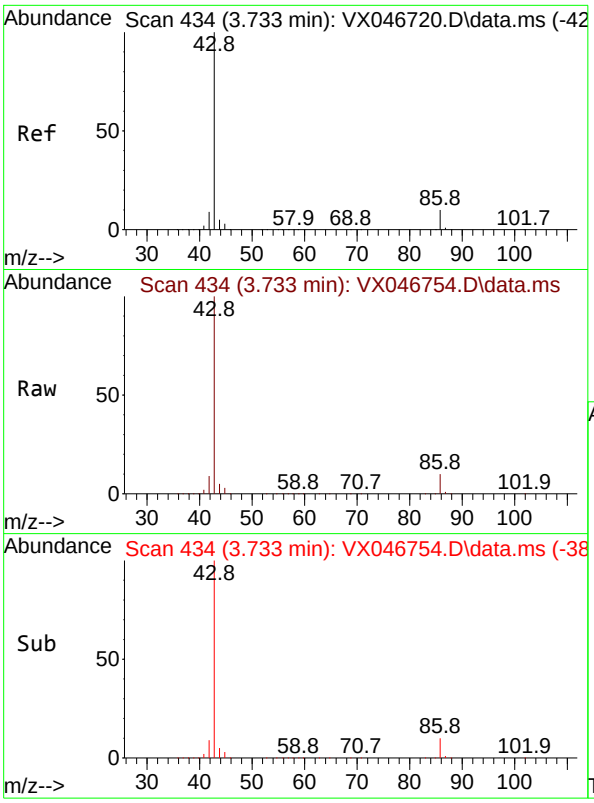



#22
Diisopropyl ether
Concen: 50.093 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 45 Resp: 262340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 110.9 | 91.9 | 137.9 |
| 87 | 25.3 | 22.0 | 33.0 |
| 59 | 11.2 | 9.1 | 13.7 |






#23
Vinyl Acetate
Concen: 231.797 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

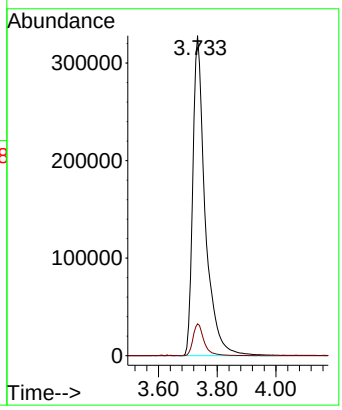
Tgt Ion: 43 Resp: 96533

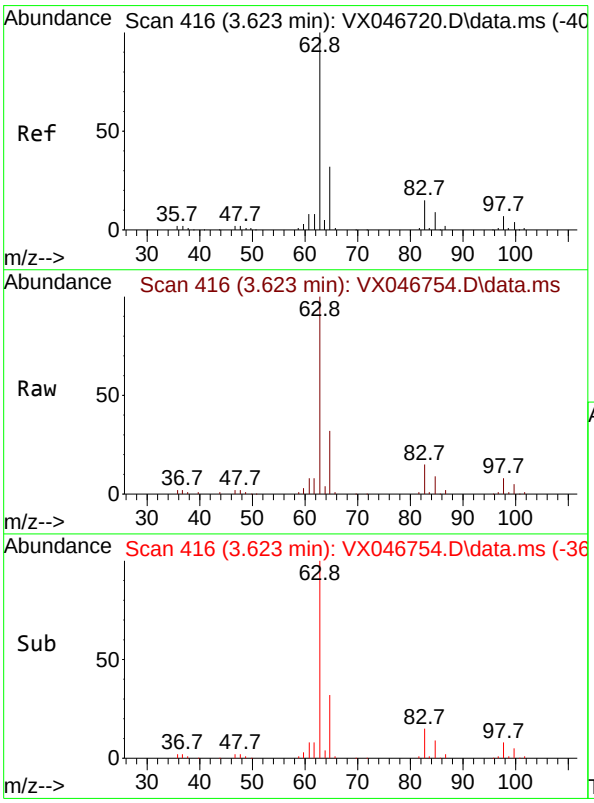
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 8.2 | 12.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
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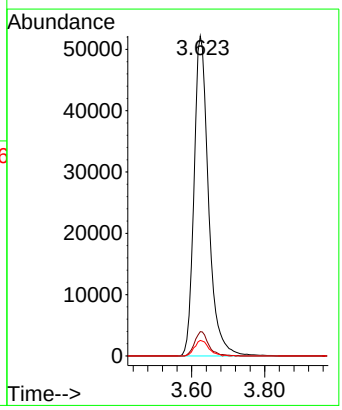


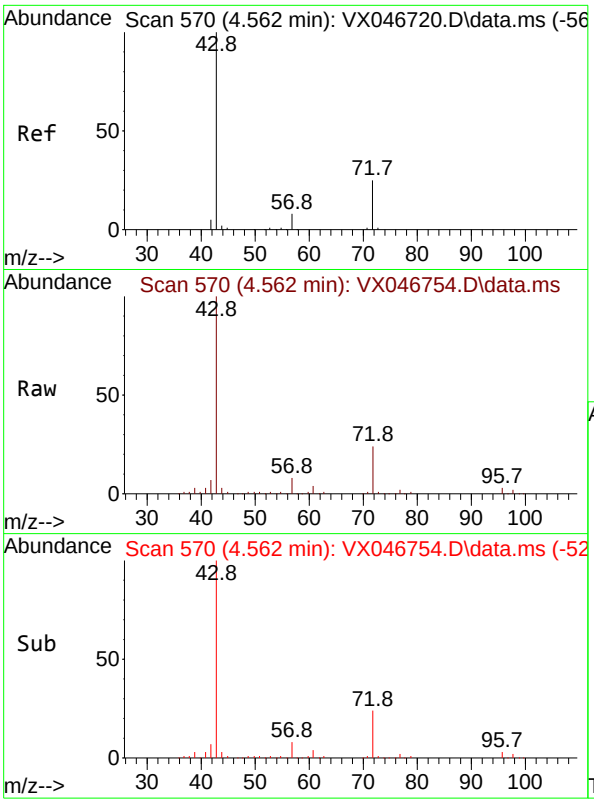




#24
1,1-Dichloroethane
Concen: 48.562 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 63 Resp: 144398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 4.0 | 11.9 |
| 100 | 4.8 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 226.078 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

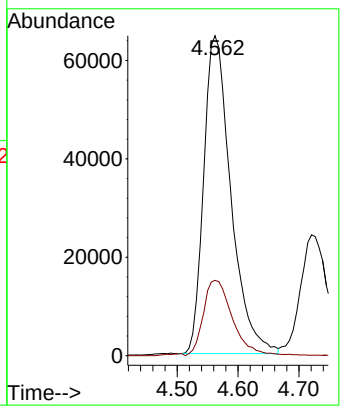
Tgt Ion: 43 Resp: 20079

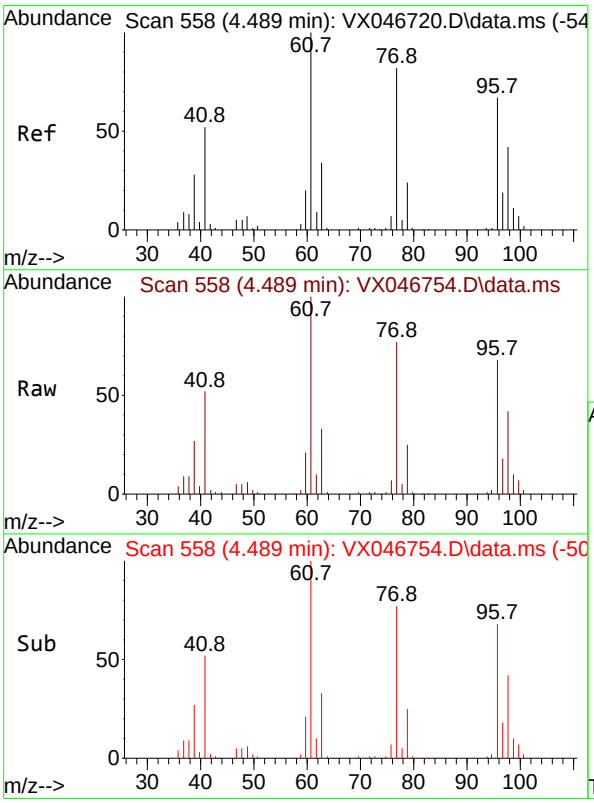
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.4 | 20.2 | 30.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

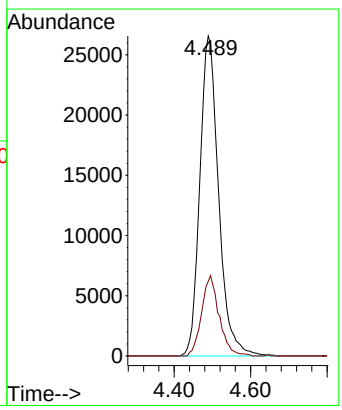


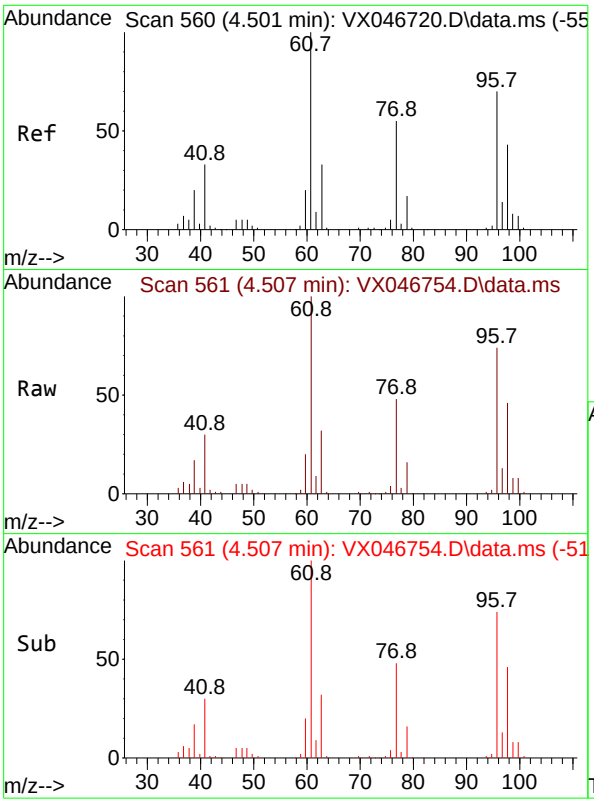




#26
2,2-Dichloropropane
Concen: 41.759 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 77 Resp: 90561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.4 | 11.8 | 35.3 |

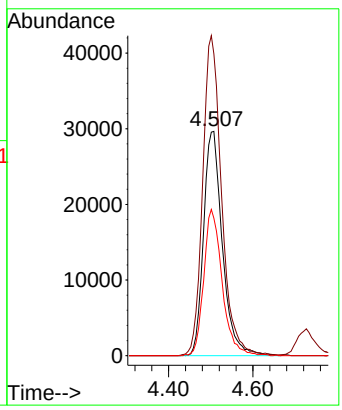





#27
cis-1,2-Dichloroethene
Concen: 48.686 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 96 Resp: 9203

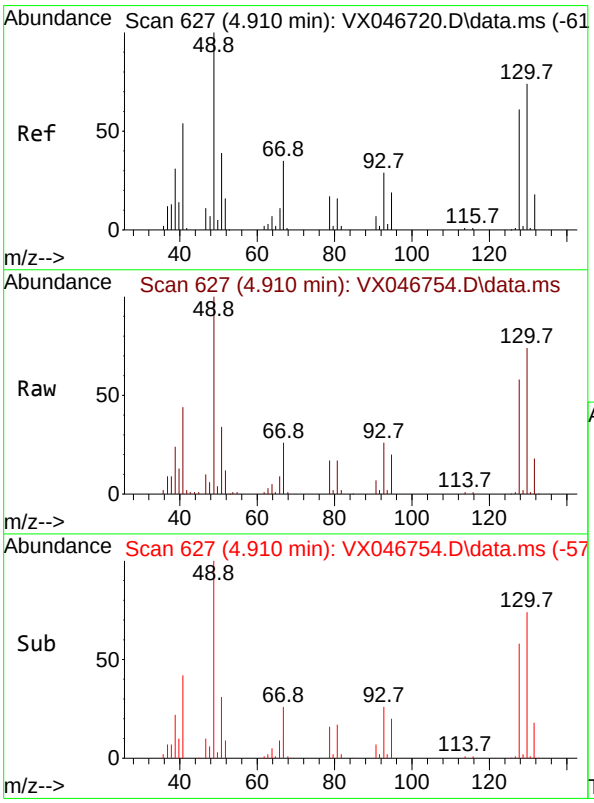
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.5 | 0.0 | 291.0 |
| 98 | 63.8 | 0.0 | 126.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

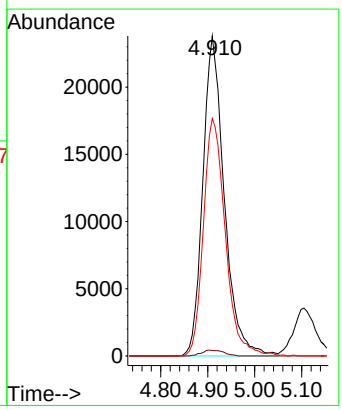
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

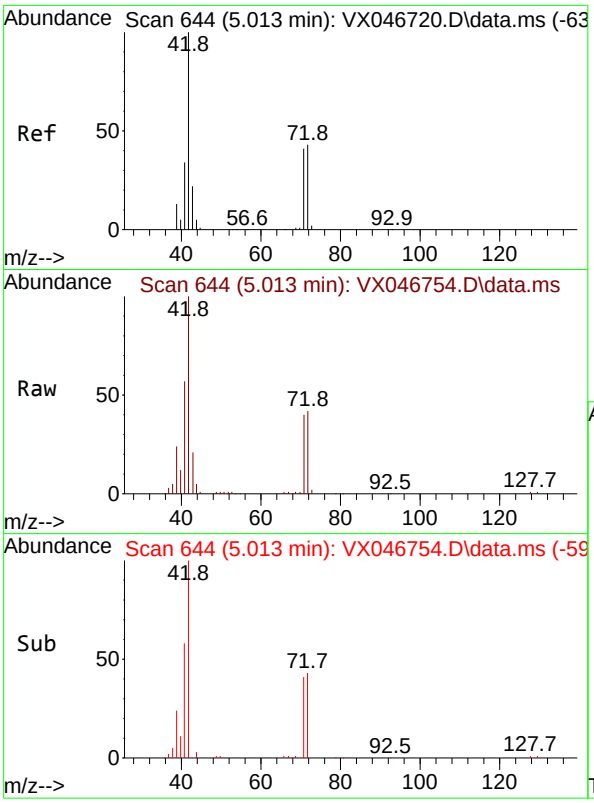



#28
Bromochloromethane
Concen: 55.824 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 49 Resp: 75253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 75.8 | 61.4 | 92.0 |






#29
Tetrahydrofuran
Concen: 228.277 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

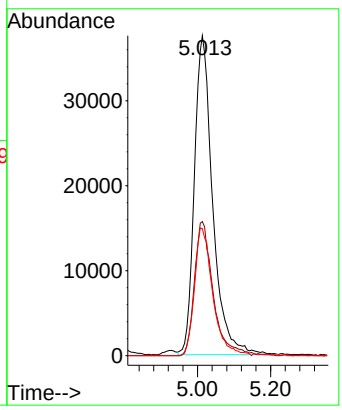
Tgt Ion: 42 Resp: 13095

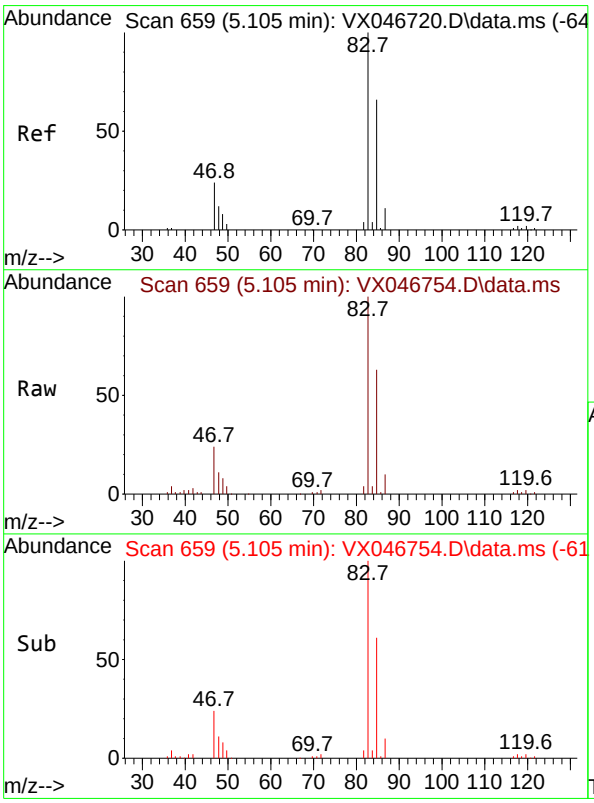
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.1 | 34.9 | 52.3 |
| 71 | 39.9 | 32.2 | 48.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

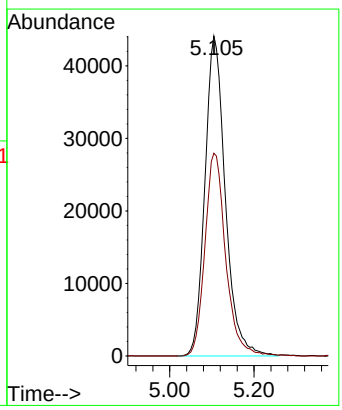


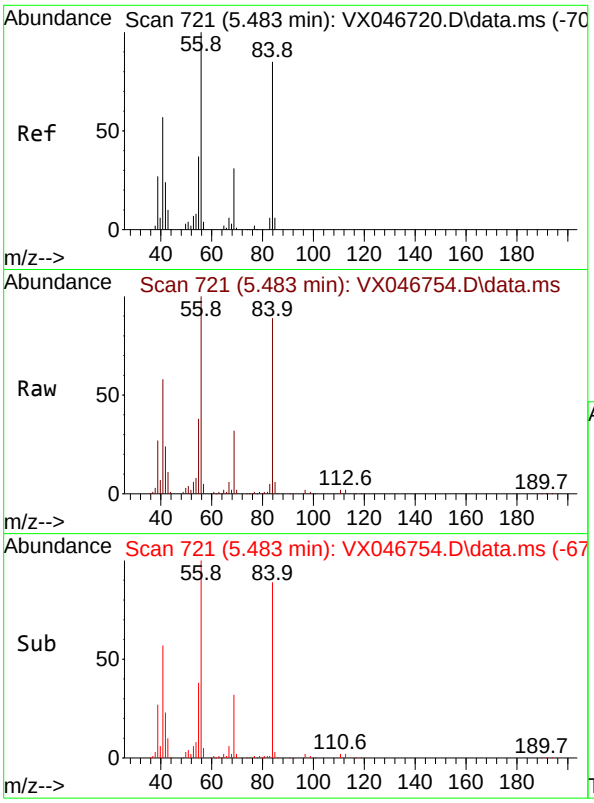




#30
Chloroform
Concen: 49.820 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 83 Resp: 148146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 53.7 | 80.5 |

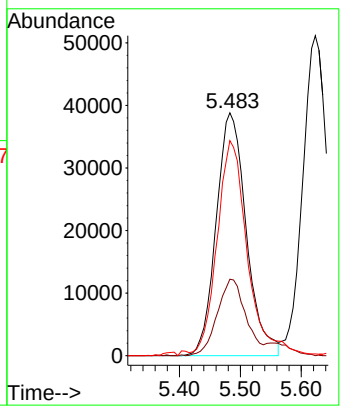





#31
Cyclohexane
Concen: 47.234 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 56 Resp: 13319

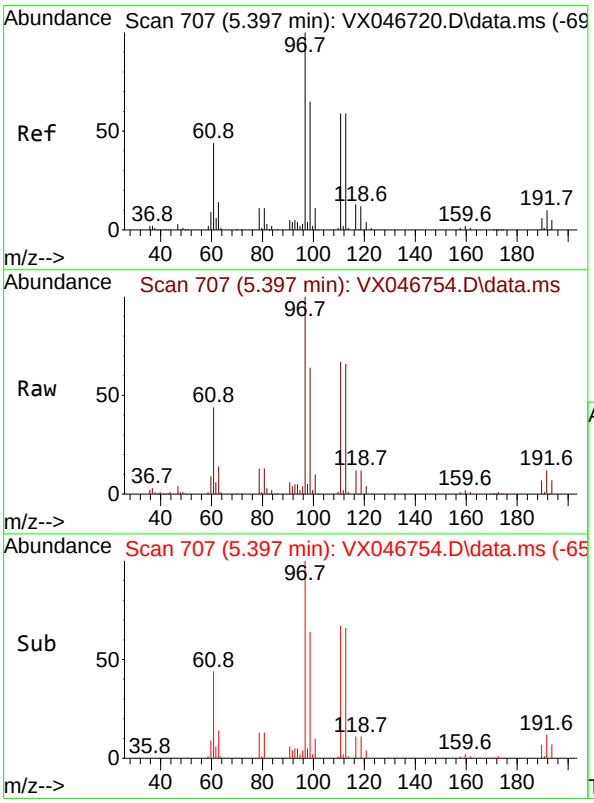
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.8 | 37.2 |
| 84 | 88.4 | 68.2 | 102.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

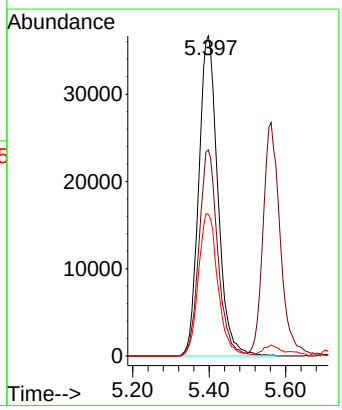
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

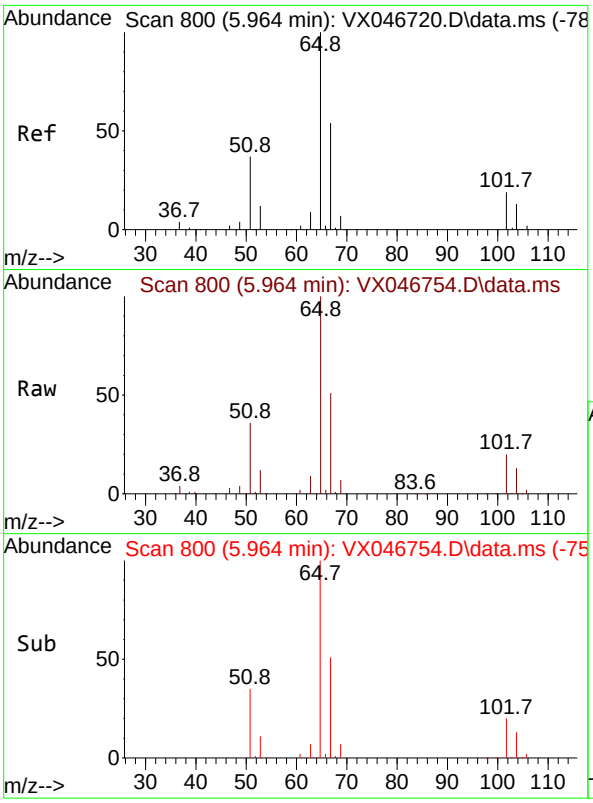



#32
1,1,1-Trichloroethane
Concen: 48.610 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 97 Resp: 126773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.3 | 76.9 |
| 61 | 45.6 | 36.4 | 54.6 |

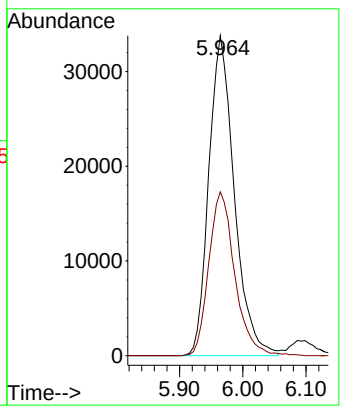





#33
1,2-Dichloroethane-d4
Concen: 50.219 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 65 Resp: 9457

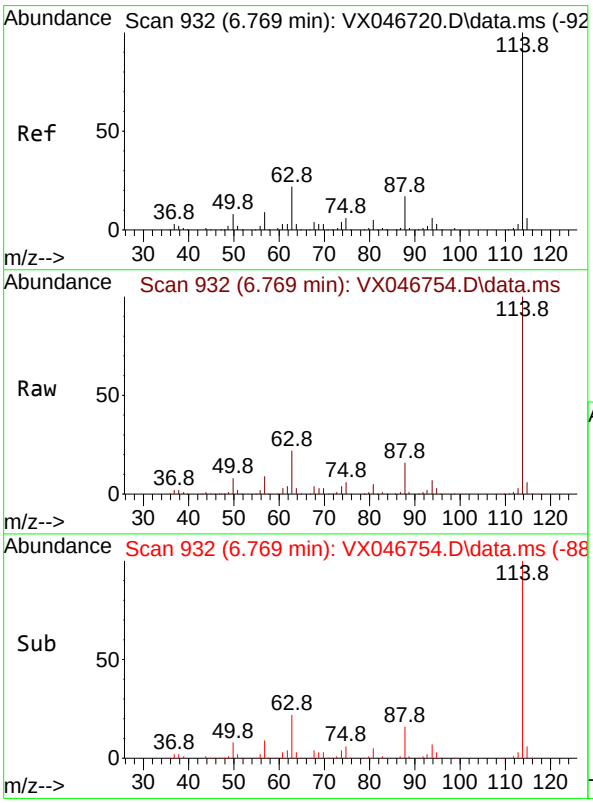
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 105.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

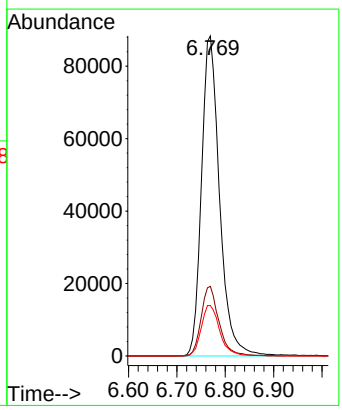
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

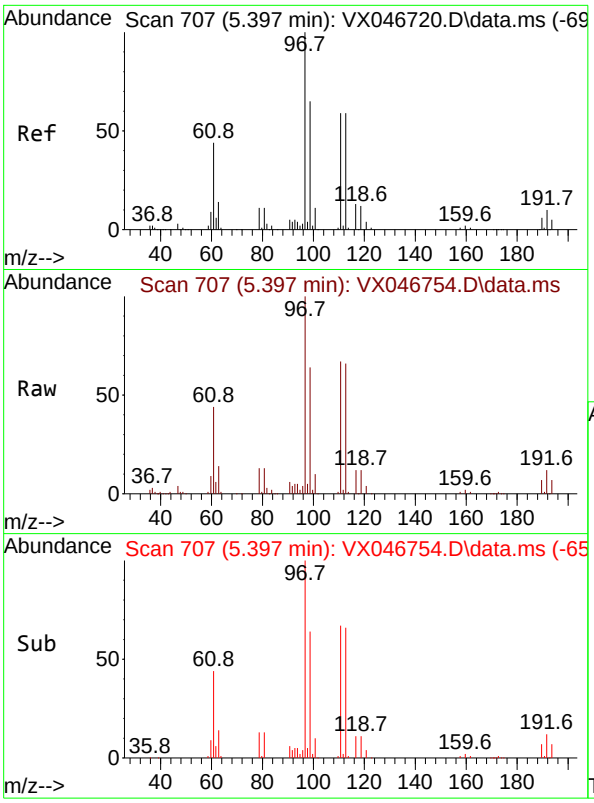



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:114 Resp: 229178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |

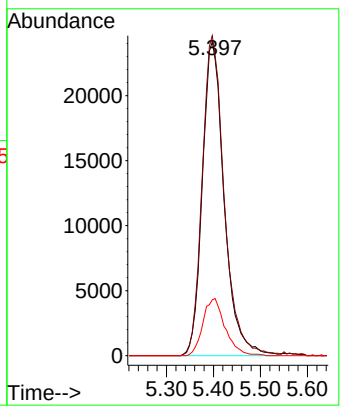





#35
Dibromofluoromethane
Concen: 51.260 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:113 Resp: 7772

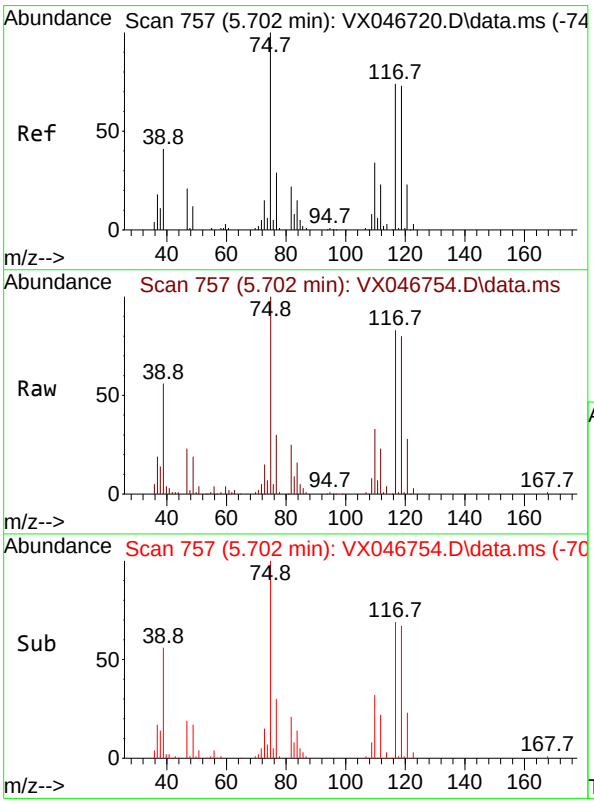
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

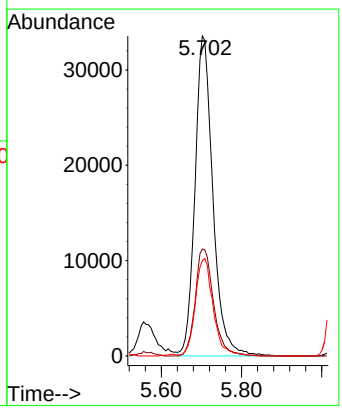
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

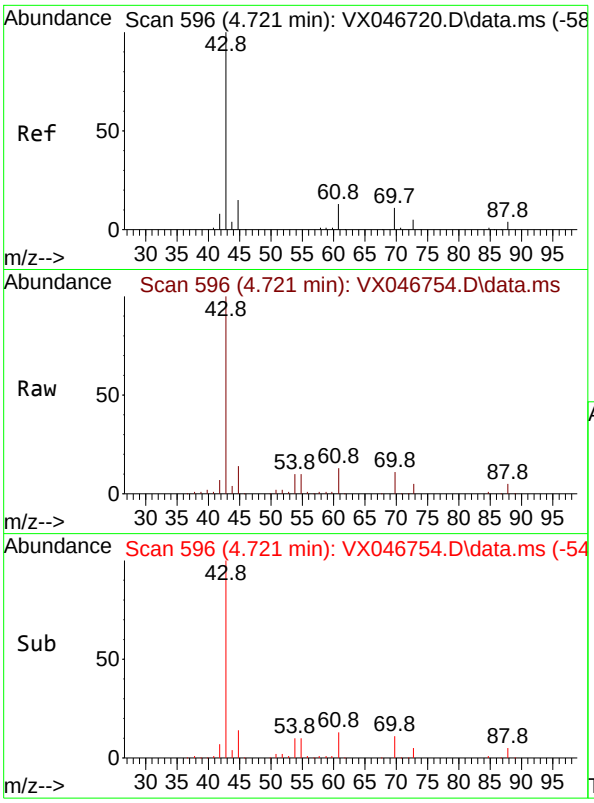



#36
1,1-Dichloropropene
Concen: 47.566 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 104116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.2 | 51.5 |
| 77 | 30.3 | 24.2 | 36.4 |






#37
Ethyl Acetate
Concen: 41.584 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

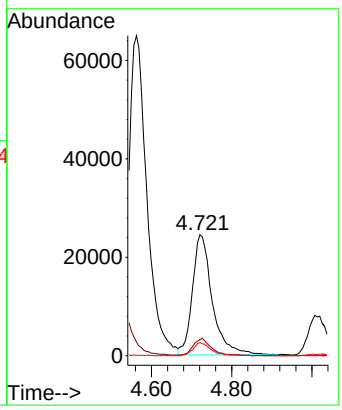
Tgt Ion: 43 Resp: 8401

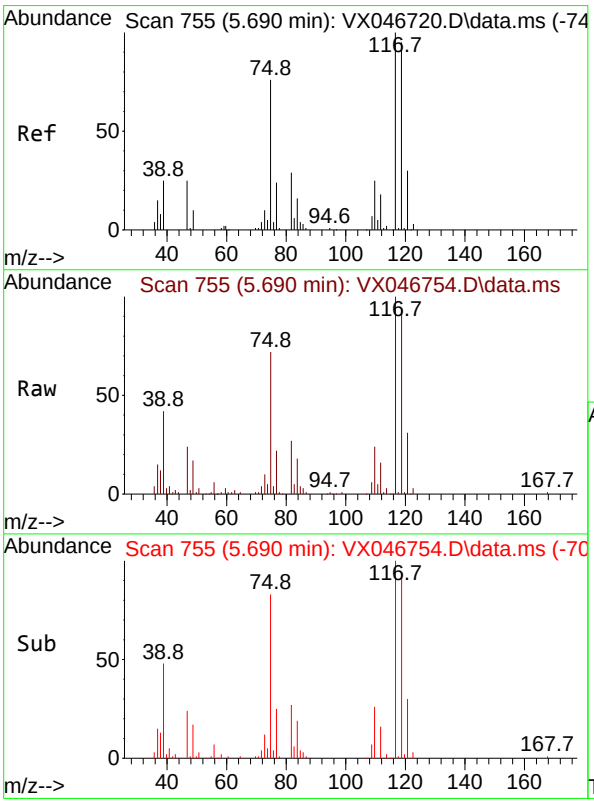
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 9.7 | 14.5 |
| 70 | 10.0 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

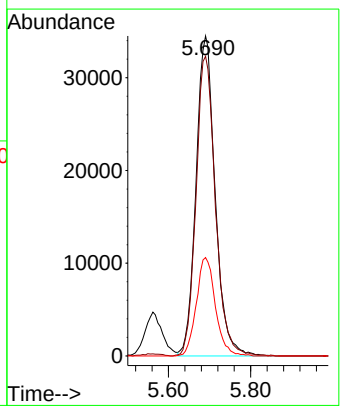


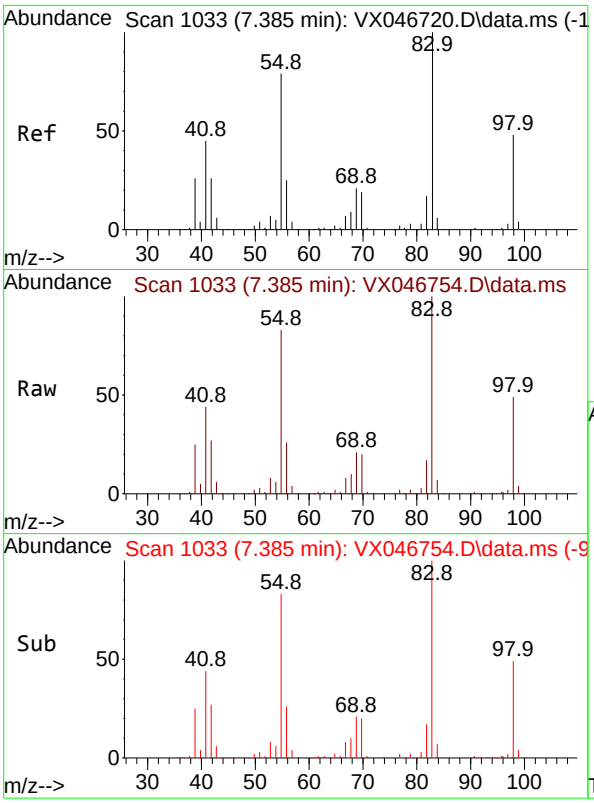




#38
Carbon Tetrachloride
Concen: 46.991 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:117 Resp: 111625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.6 | 75.2 | 112.8 |
| 121 | 30.7 | 24.1 | 36.1 |

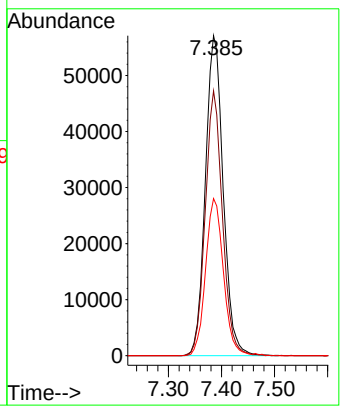





#39
Methylcyclohexane
Concen: 46.228 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 83 Resp: 13315

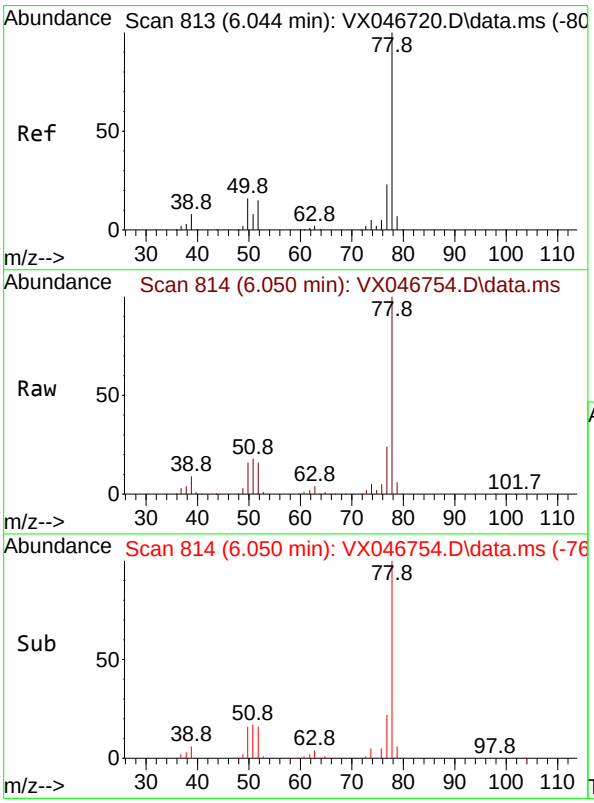
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.8 | 63.0 | 94.4 |
| 98 | 49.1 | 38.8 | 58.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

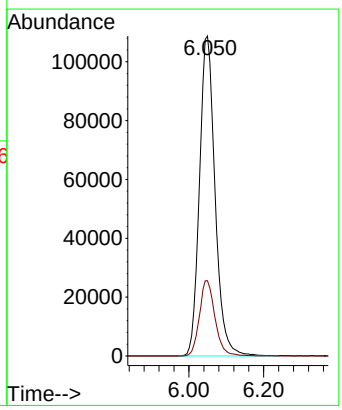
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

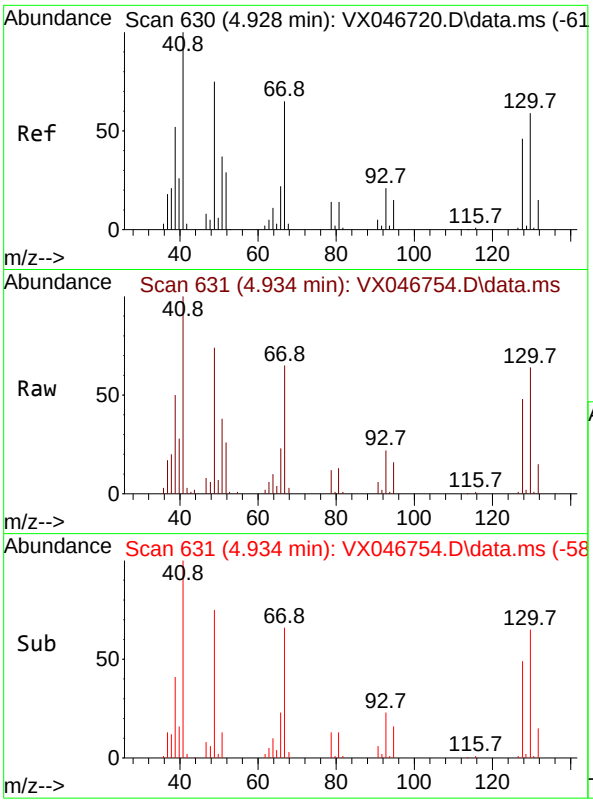



#40
Benzene
Concen: 48.615 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 78 Resp: 314925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

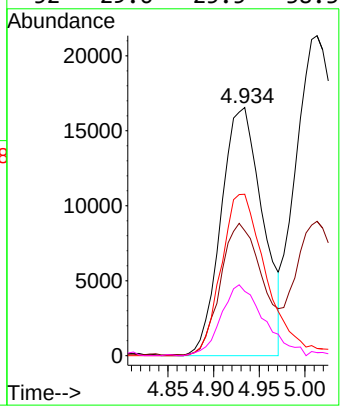





#41
Methacrylonitrile
Concen: 48.736 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 41 Resp: 5249

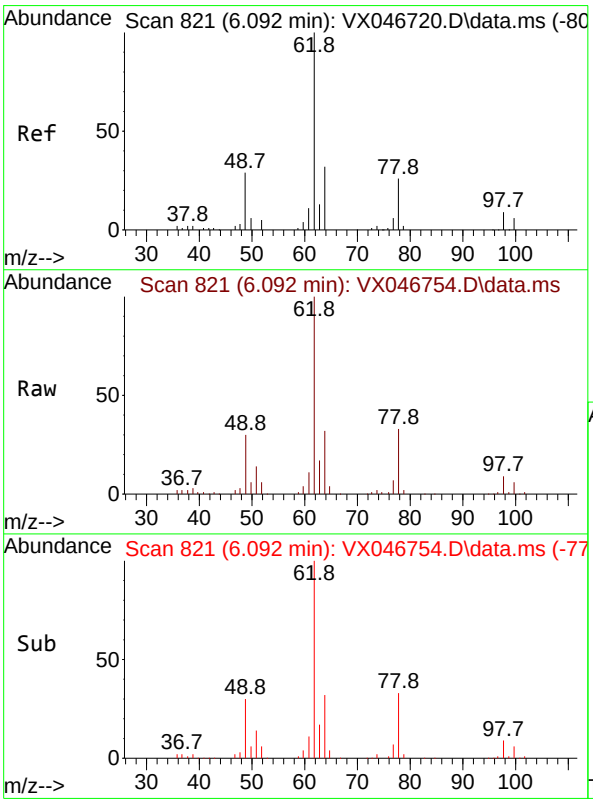
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.3 | 45.9 | 68.9 |
| 67 | 71.8 | 61.2 | 91.8 |
| 52 | 29.6 | 25.5 | 38.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

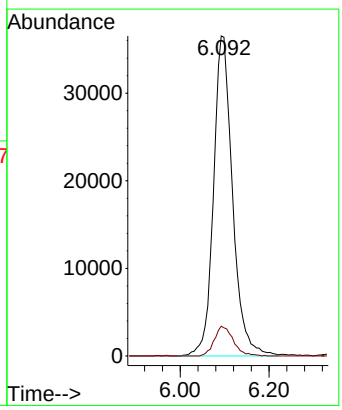
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

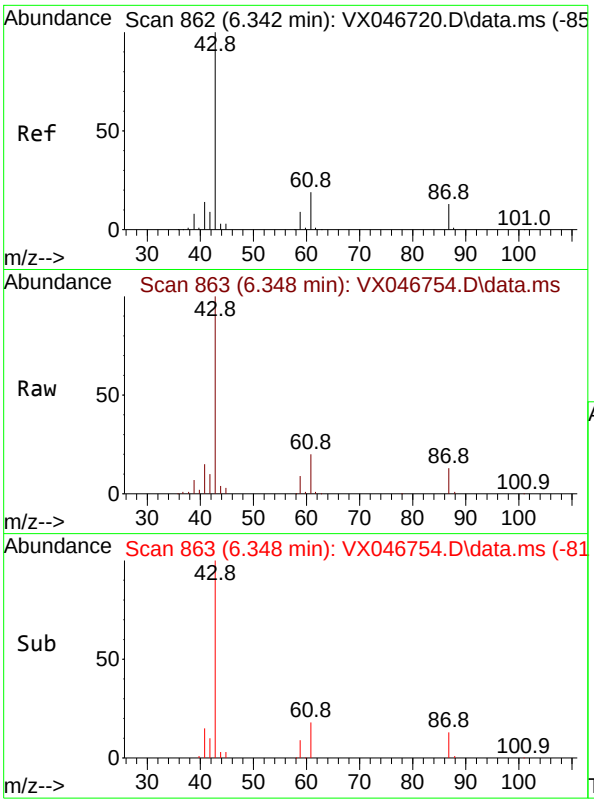



#42
1,2-Dichloroethane
Concen: 47.657 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 62 Resp: 108485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |






#43
Isopropyl Acetate
Concen: 44.472 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

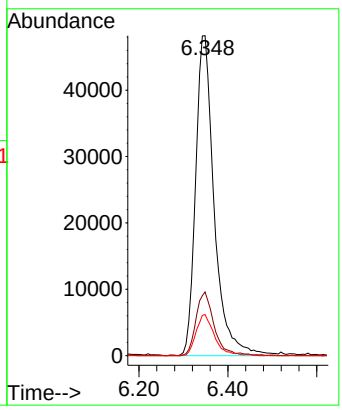
Tgt Ion: 43 Resp: 14060

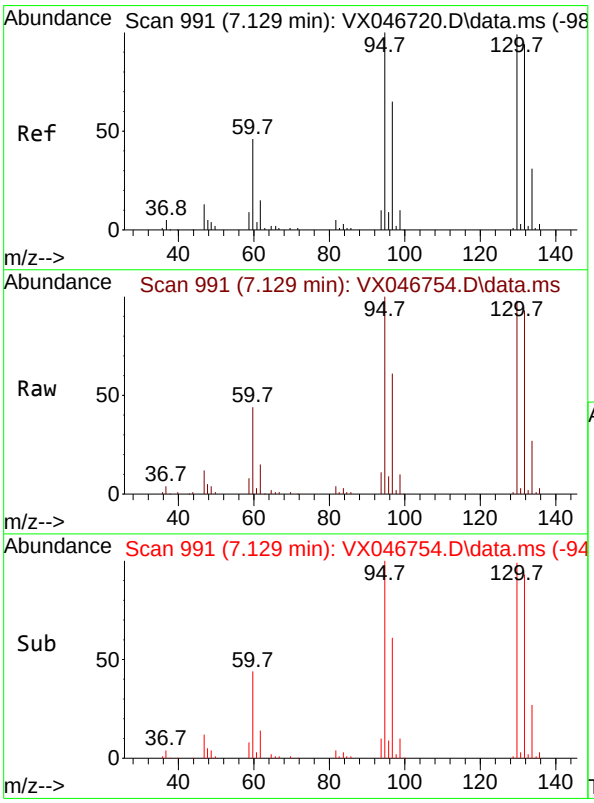
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.3 | 22.9 |
| 87 | 12.6 | 10.0 | 15.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

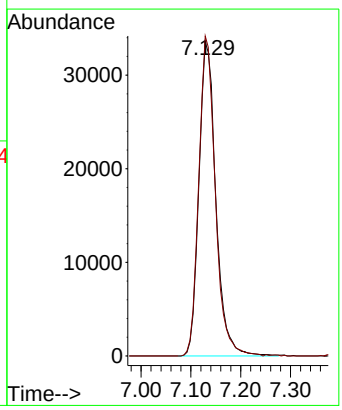


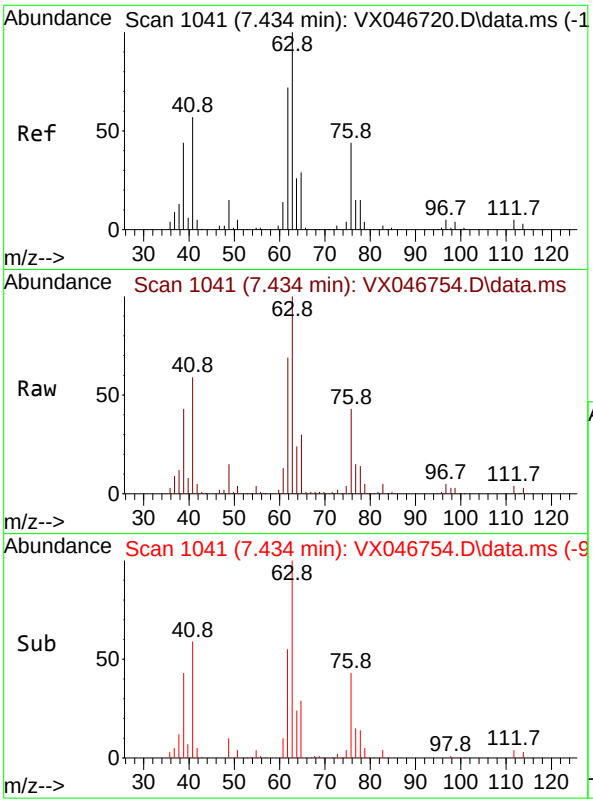




#44
Trichloroethene
Concen: 47.998 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:130 Resp: 79238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 202.6 |

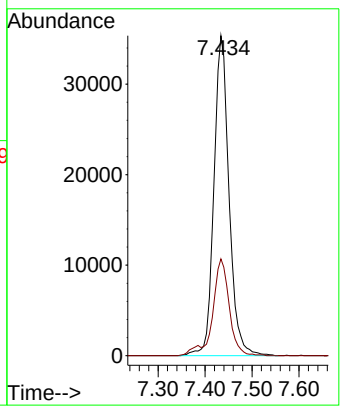





#45
1,2-Dichloropropane
Concen: 49.233 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 63 Resp: 7904

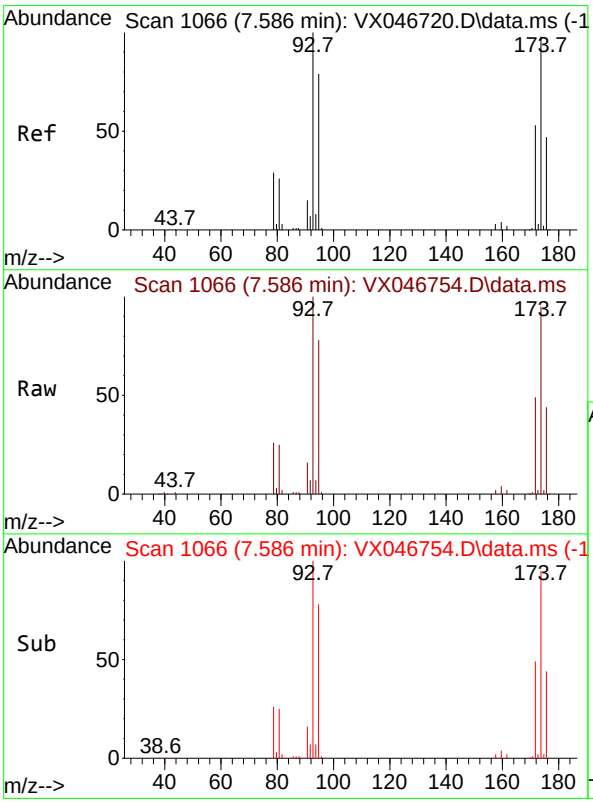
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 22.9 | 34.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

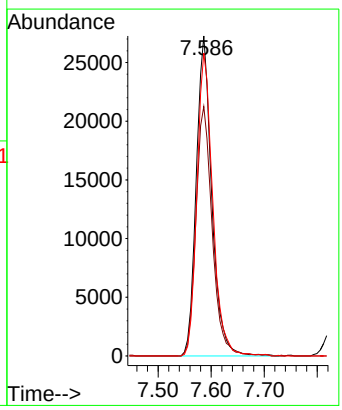
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

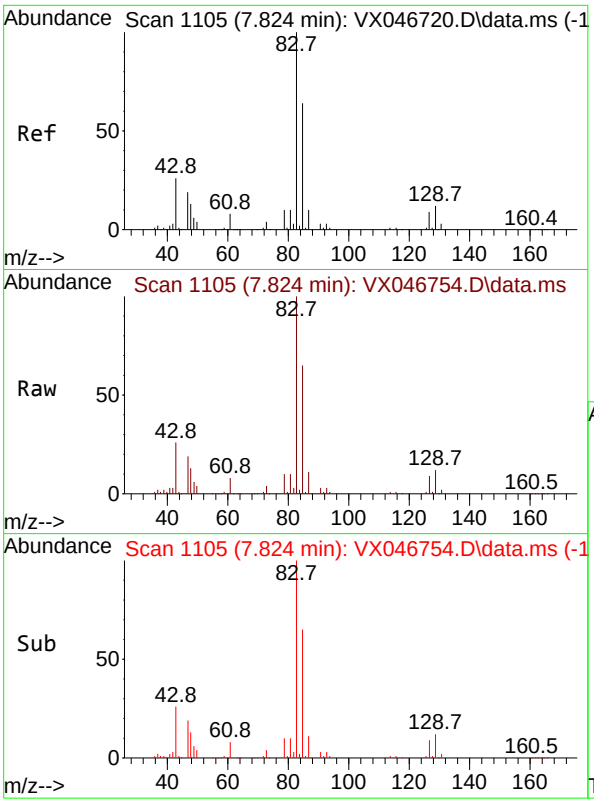



#46
Dibromomethane
Concen: 48.075 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 93 Resp: 55469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 66.2 | 99.4 |
| 174 | 96.1 | 77.0 | 115.6 |

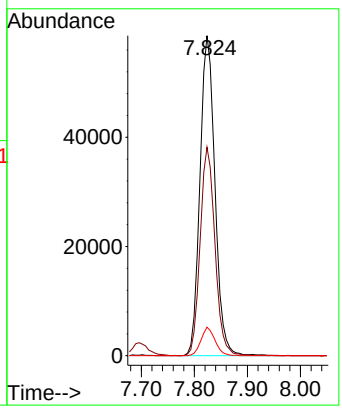





#47
Bromodichloromethane
Concen: 48.767 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 83 Resp: 11482

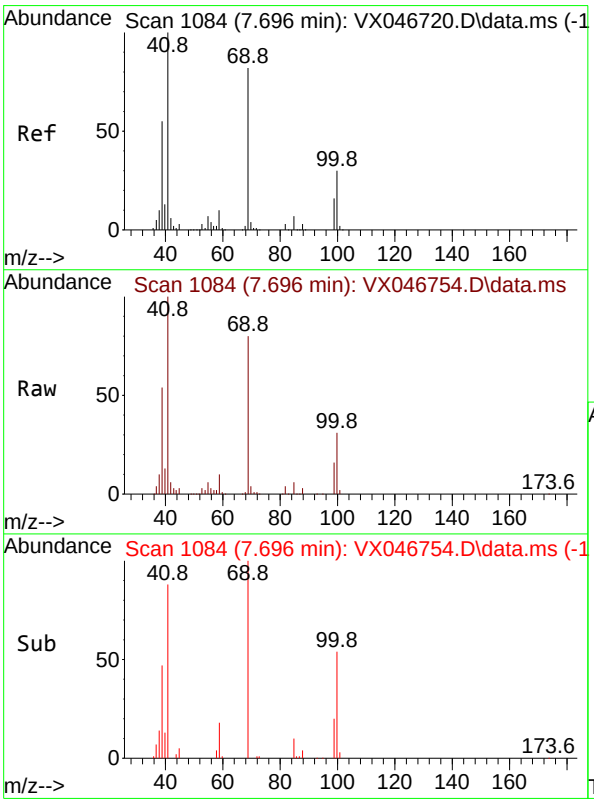
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 51.4 | 77.2 |
| 127 | 8.9 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

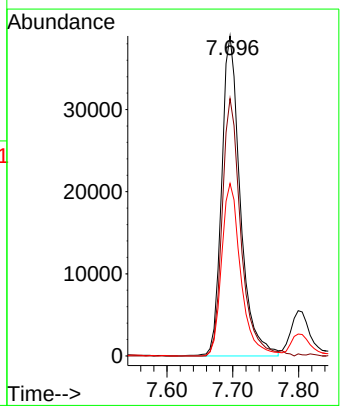
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

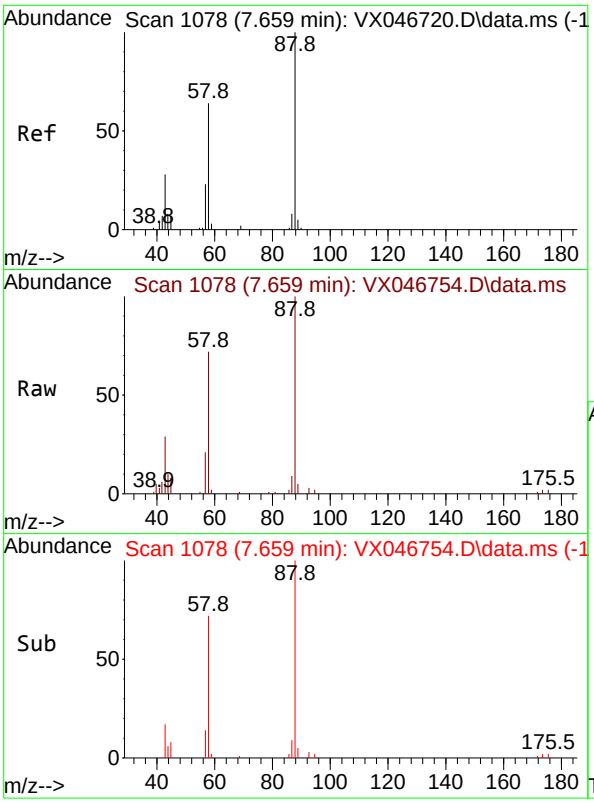



#48
Methyl methacrylate
Concen: 48.587 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 41 Resp: 77040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.5 | 63.4 | 95.2 |
| 39 | 55.4 | 45.4 | 68.0 |

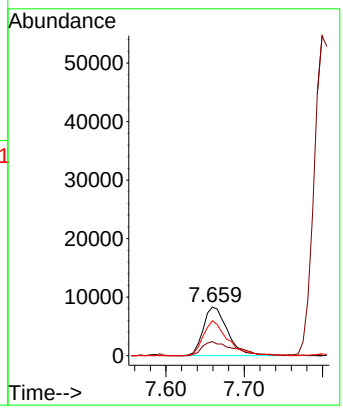





#49
1,4-Dioxane
Concen: 778.593 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 88 Resp: 1781

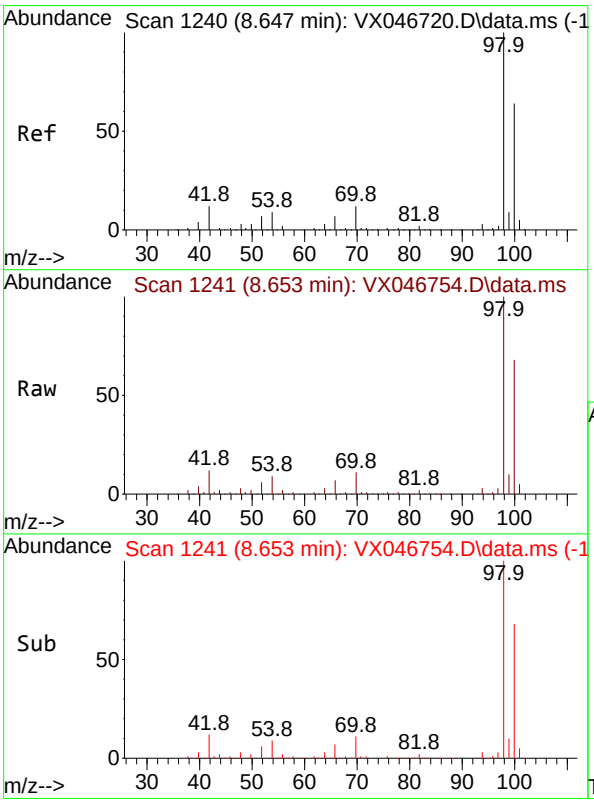
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.3 | 31.2 | 46.8 |
| 58 | 72.4 | 54.7 | 82.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

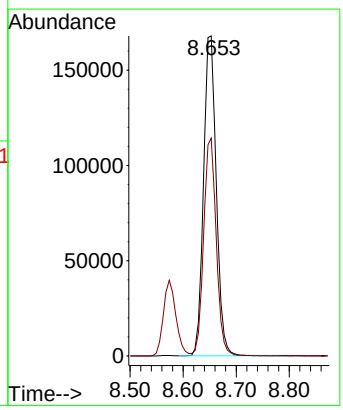
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

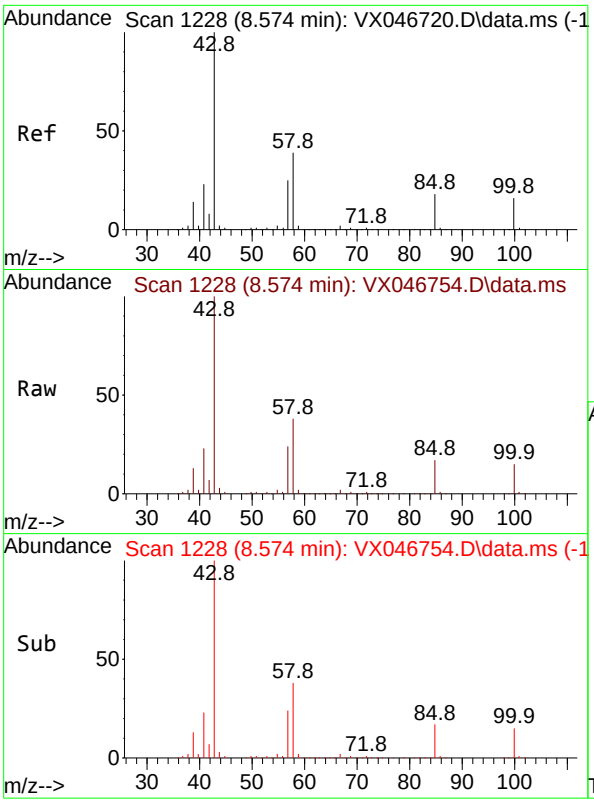



#50
Toluene-d8
Concen: 51.376 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 98 Resp: 279885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |

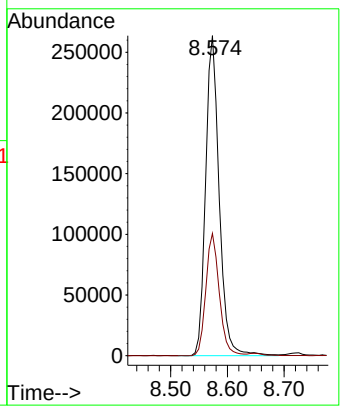





#51
4-Methyl-2-Pentanone
Concen: 232.751 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 43888

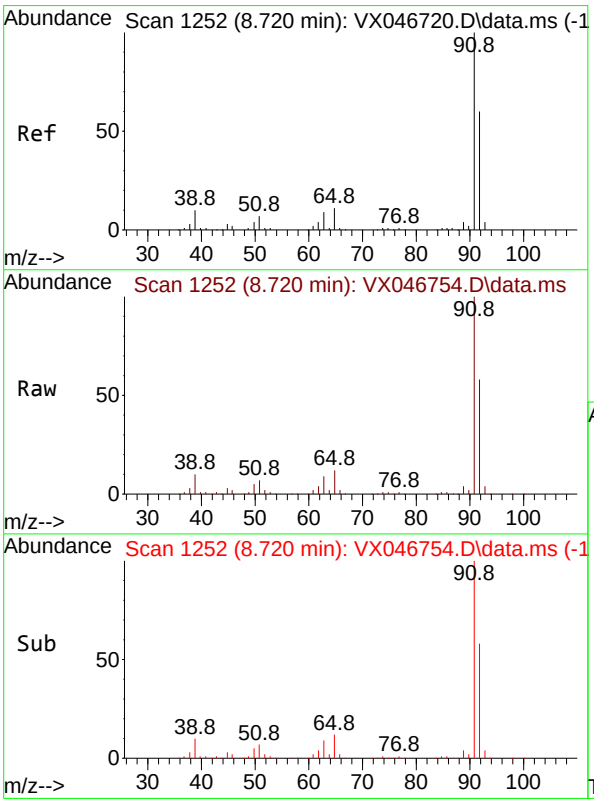
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.8 | 46.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

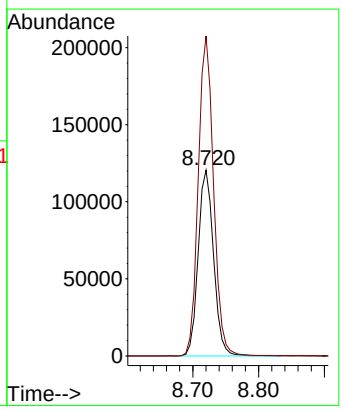
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

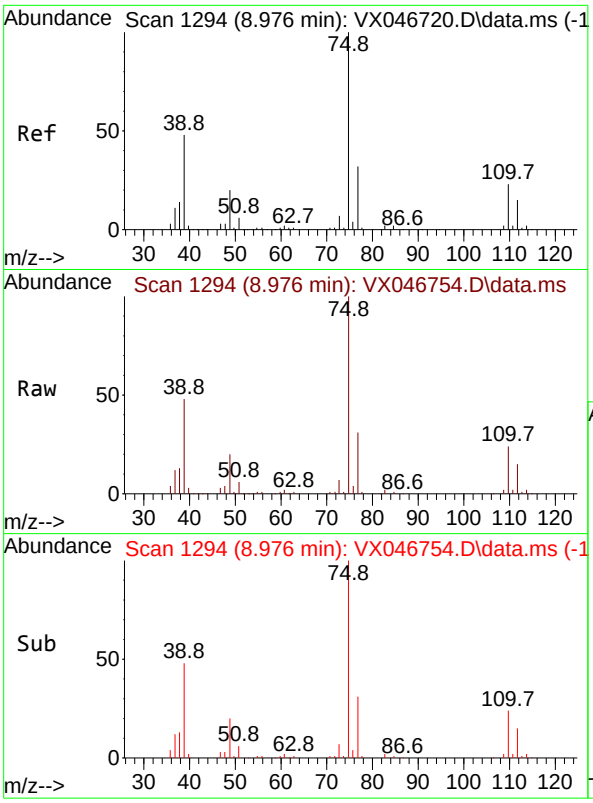



#52
Toluene
Concen: 48.803 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 92 Resp: 195988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.6 | 134.8 | 202.2 |

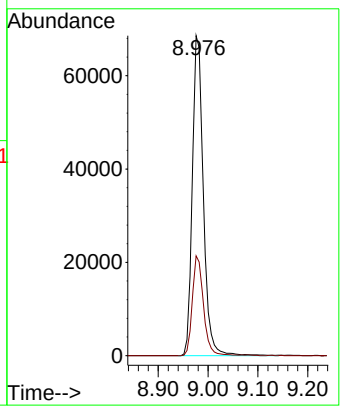





#53
t-1,3-Dichloropropene
Concen: 48.322 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 10556

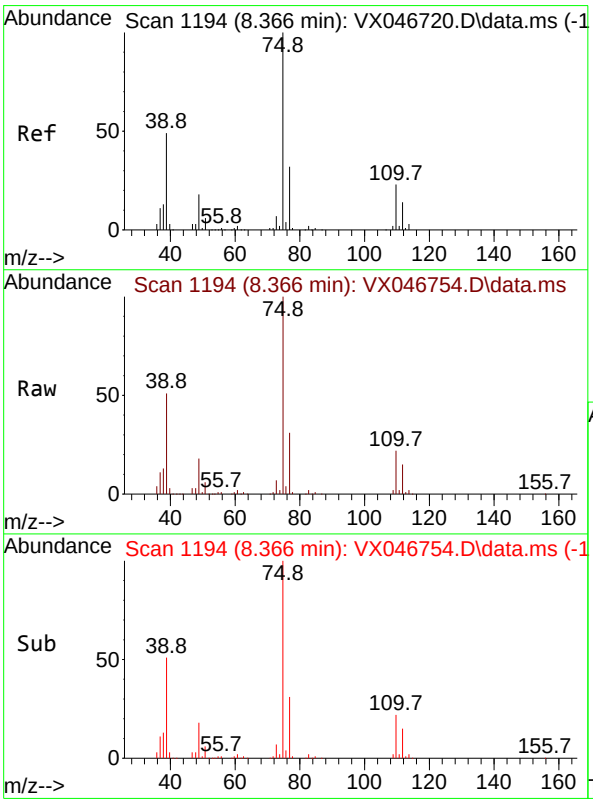
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.6 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

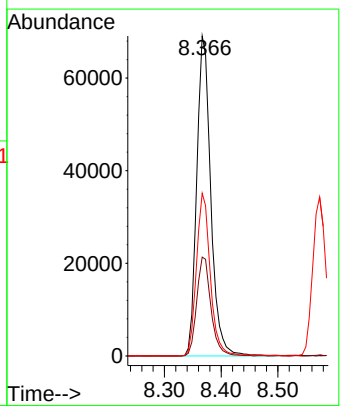
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

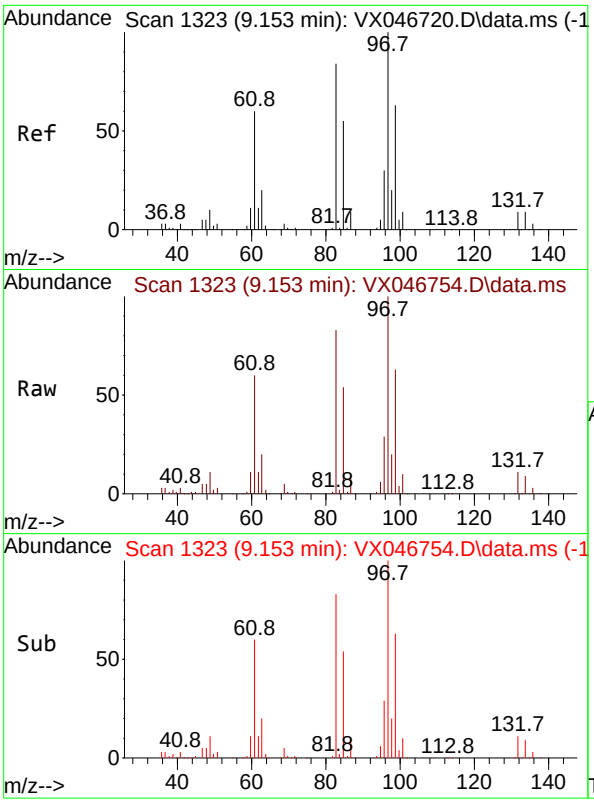



#54
cis-1,3-Dichloropropene
Concen: 48.004 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 119051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.3 | 37.9 |
| 39 | 50.2 | 39.2 | 58.8 |

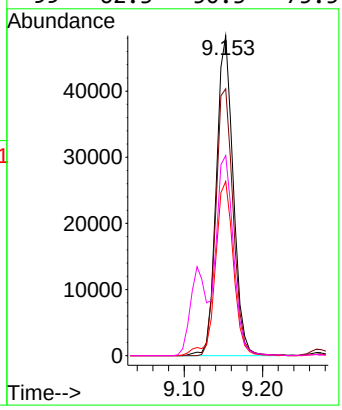





#55
1,1,2-Trichloroethane
Concen: 48.550 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

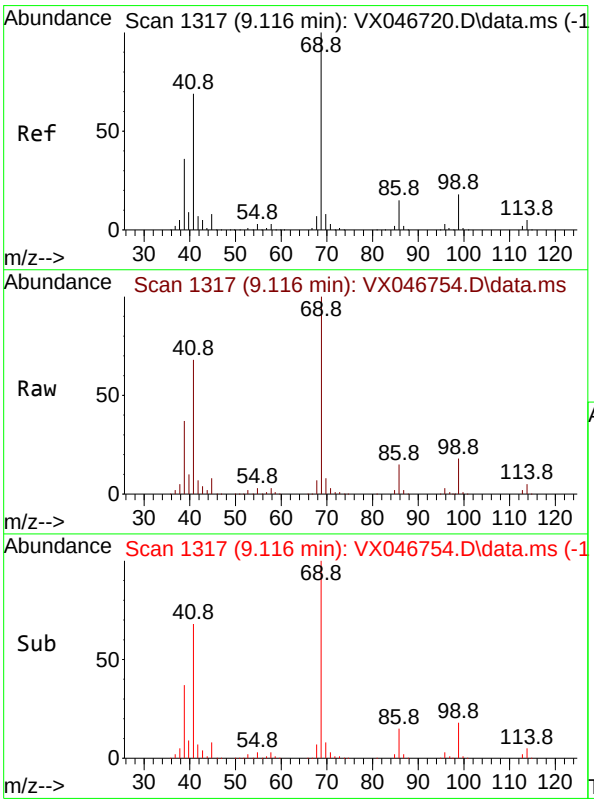
Tgt Ion: 97 Resp: 7265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.9 | 67.2 | 100.8 |
| 85 | 54.4 | 44.1 | 66.1 |
| 99 | 62.3 | 50.3 | 75.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

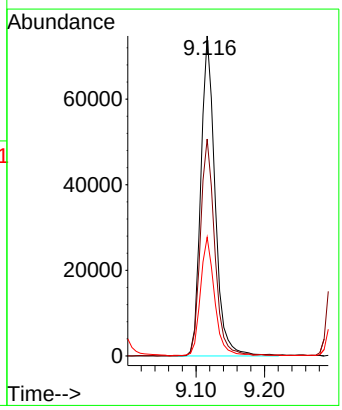
**Manual Integrations**
**APPROVED**
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

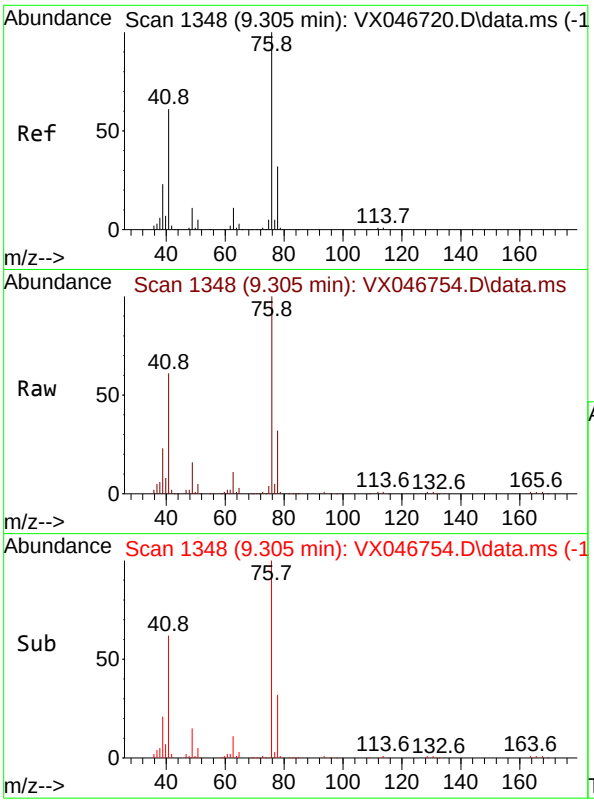



#56
Ethyl methacrylate
Concen: 48.989 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 69 Resp: 108226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.2 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |






#57
1,3-Dichloropropane
Concen: 49.000 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

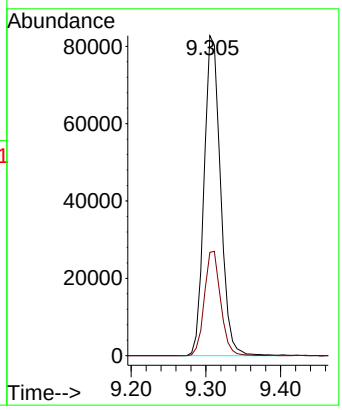
Tgt Ion: 76 Resp: 12628

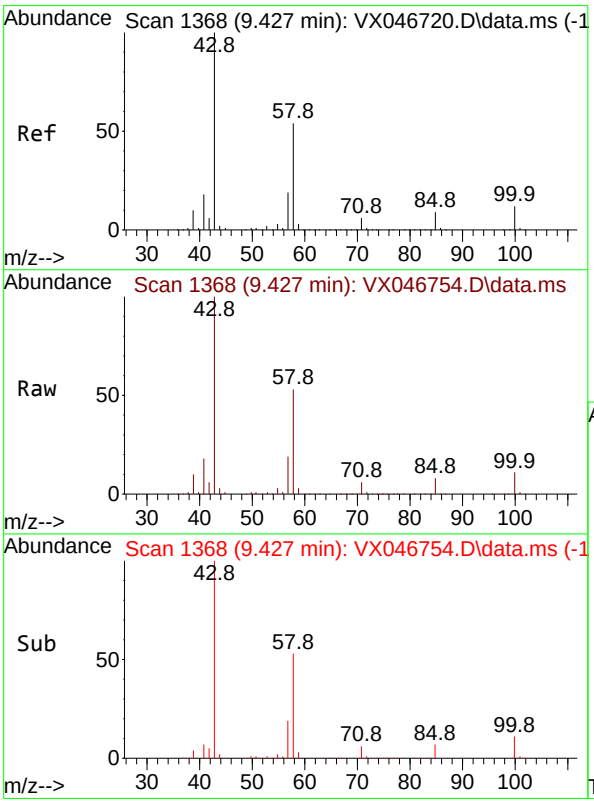
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.7 | 38.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

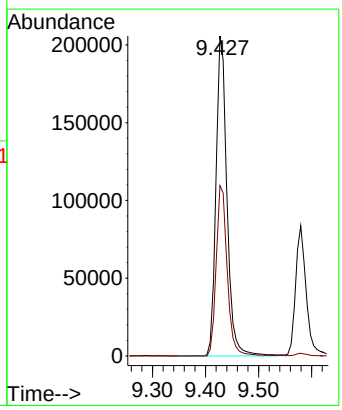


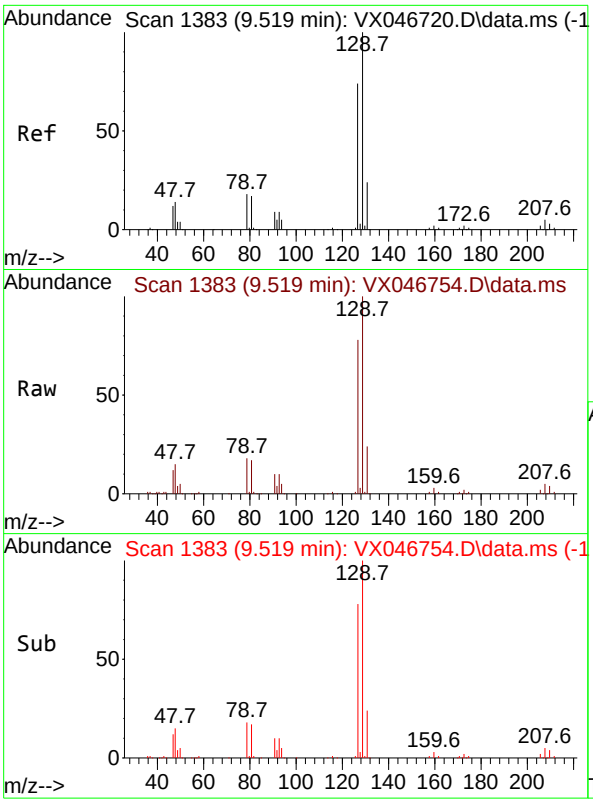




#59
2-Hexanone
Concen: 227.408 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 296453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.8 | 80.4 |

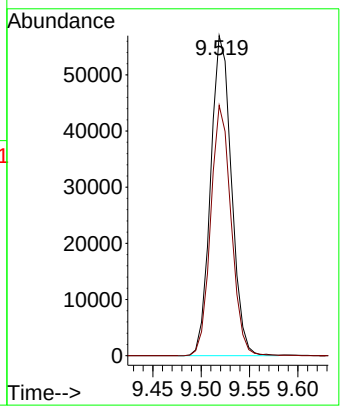





#60
Dibromochloromethane
Concen: 48.252 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:129 Resp: 8510

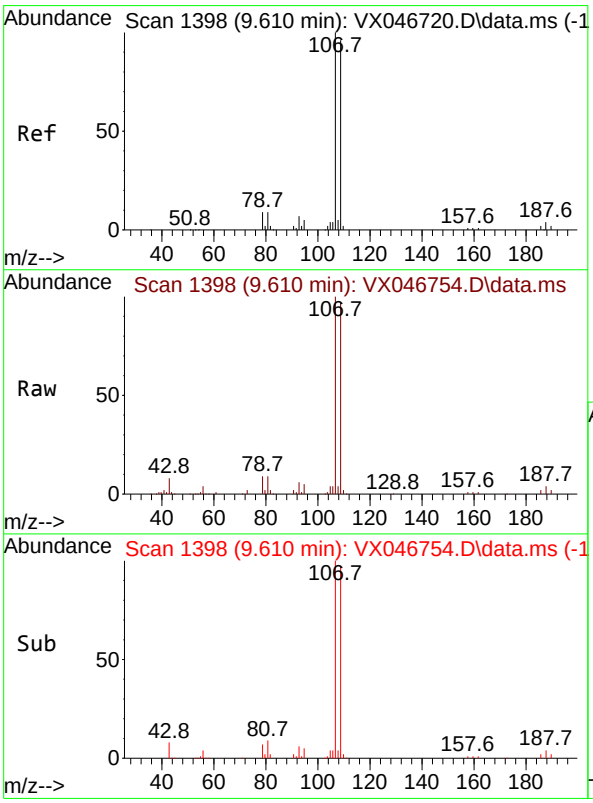
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

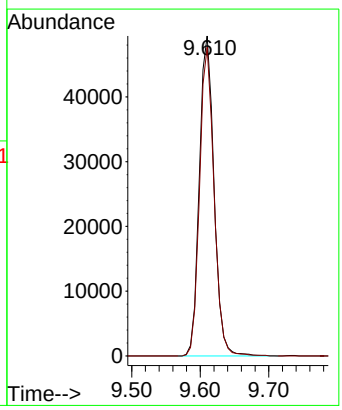
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

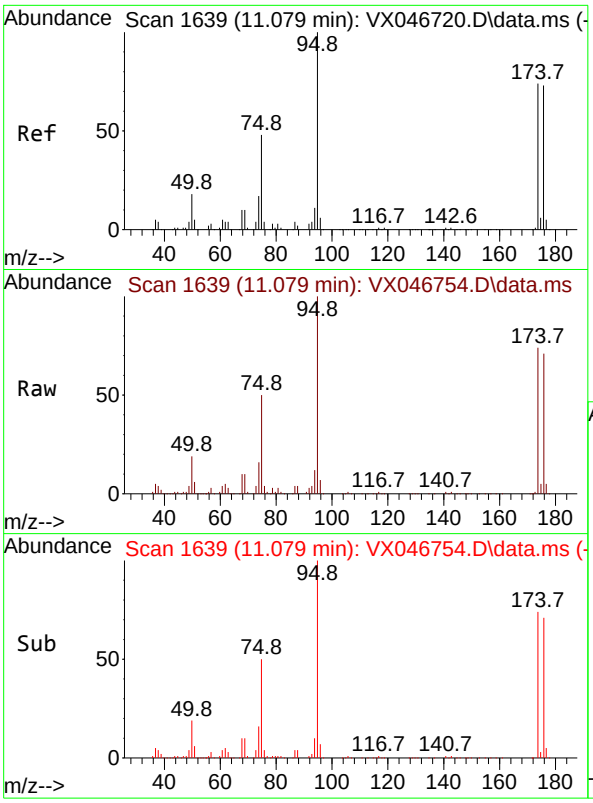



#61
1,2-Dibromoethane
Concen: 48.479 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:107 Resp: 73799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 75.8 | 113.6 |

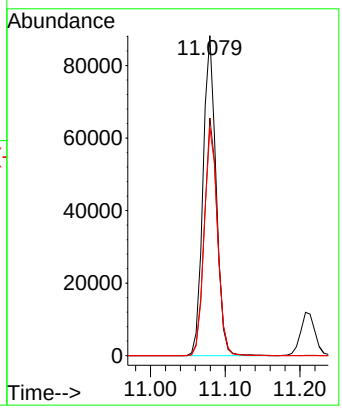





#62
4-Bromofluorobenzene
Concen: 52.509 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 95 Resp: 10663

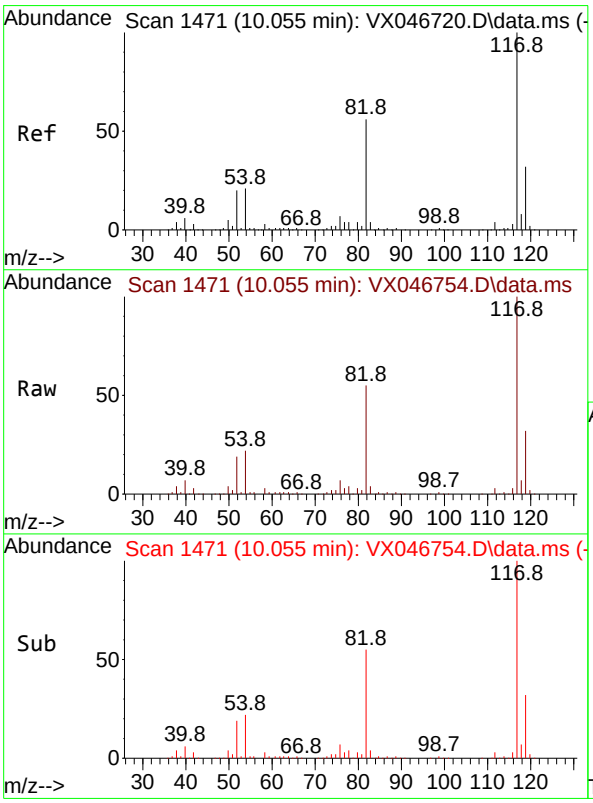
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.7 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

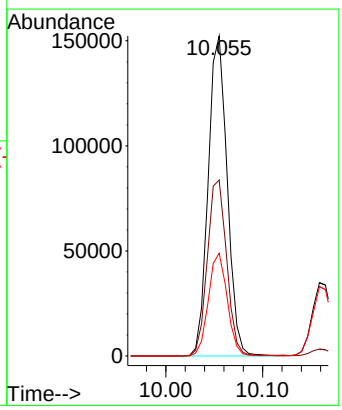
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

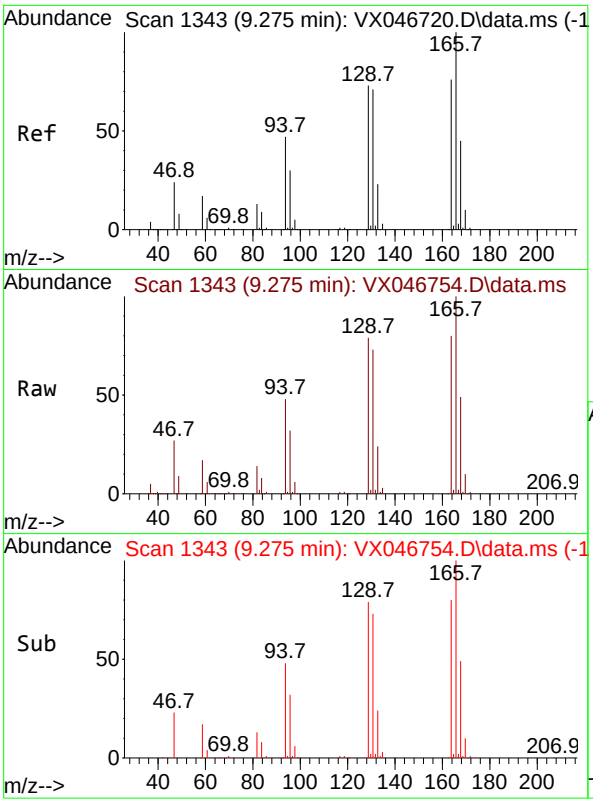



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:117 Resp: 208450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

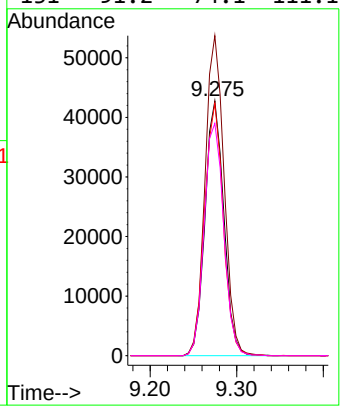





#64
Tetrachloroethene
Concen: 44.698 ug/l
RT: 9.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:164 Resp: 6455

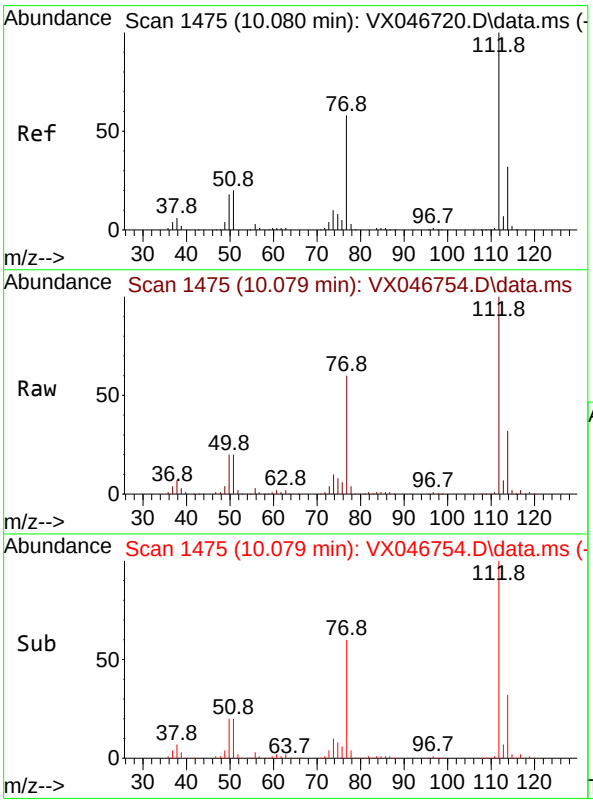
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.6 | 104.6 | 157.0 |
| 129 | 99.2 | 76.3 | 114.5 |
| 131 | 91.2 | 74.1 | 111.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

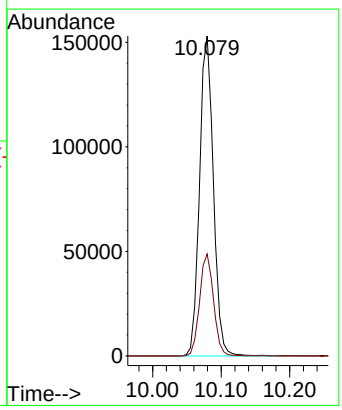
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

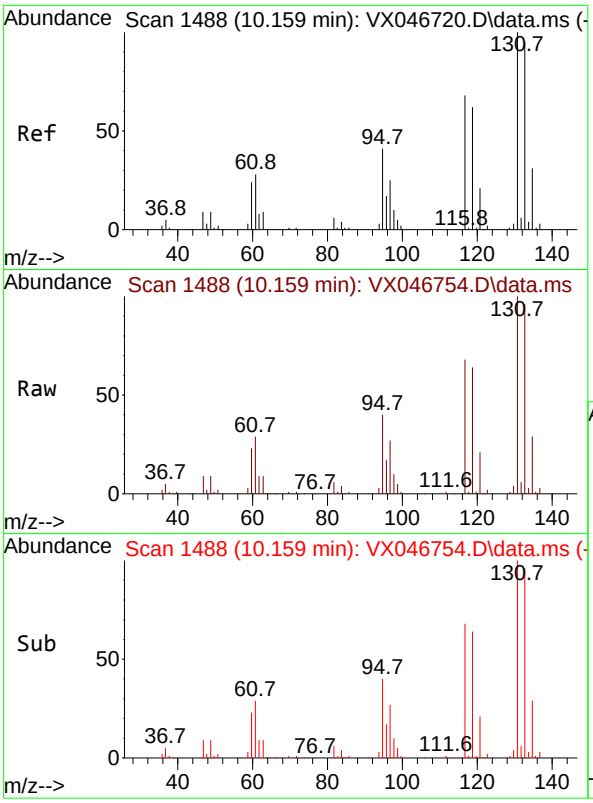



#65
Chlorobenzene
Concen: 46.805 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:112 Resp: 215369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |






#66
1,1,1,2-Tetrachloroethane
Concen: 47.316 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

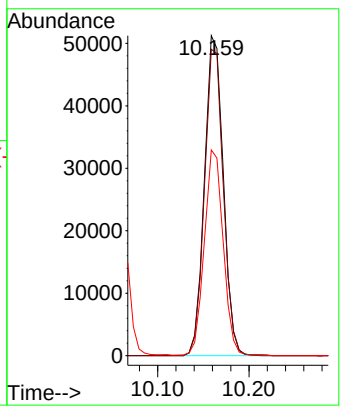
Tgt Ion:131 Resp: 7317

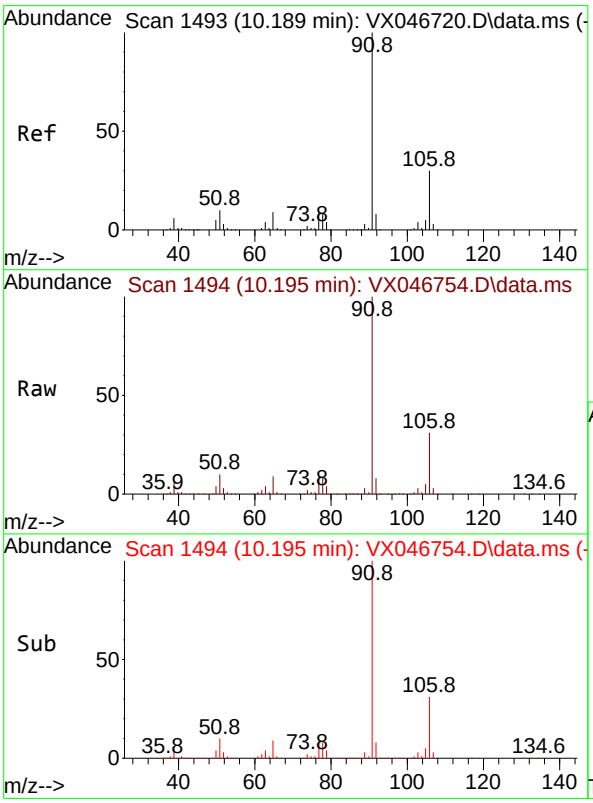
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.3 | 141.8 |
| 119 | 64.6 | 32.1 | 96.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

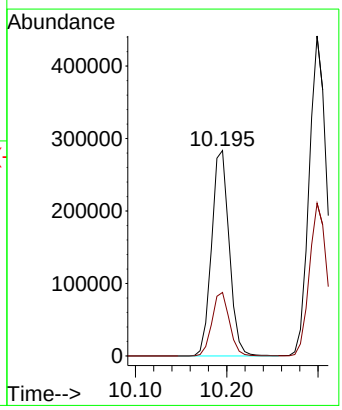


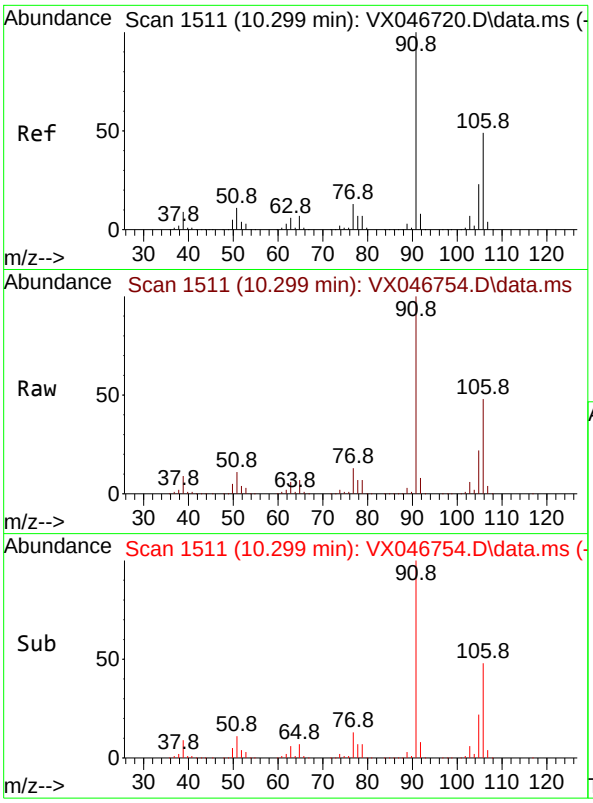




#67
Ethyl Benzene
Concen: 47.122 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 378857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 24.2 | 36.2 |






#68
m/p-Xylenes
Concen: 94.966 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

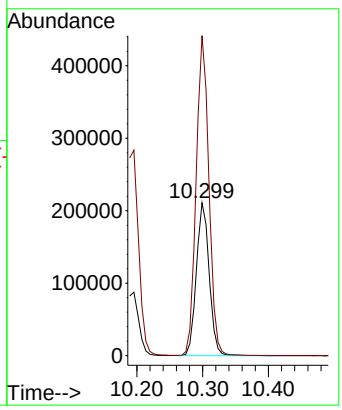
Tgt Ion:106 Resp: 28449

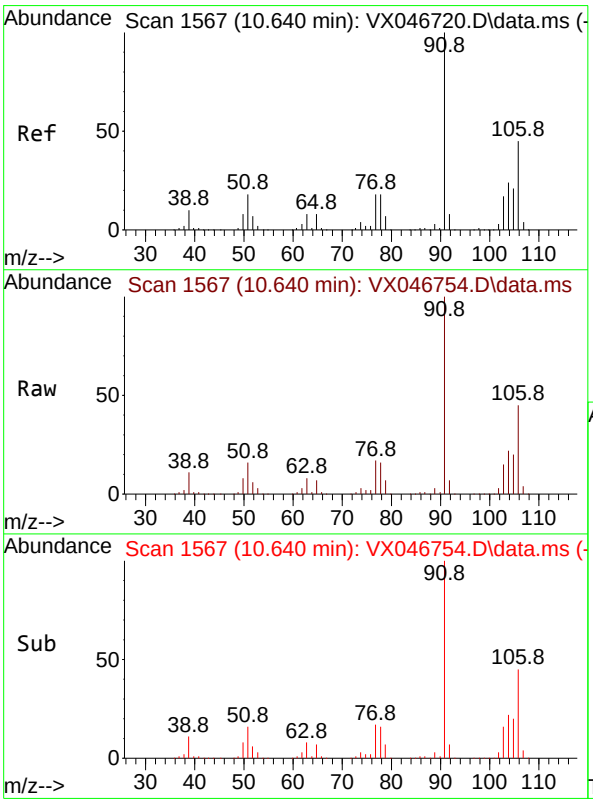
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 164.8 | 247.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

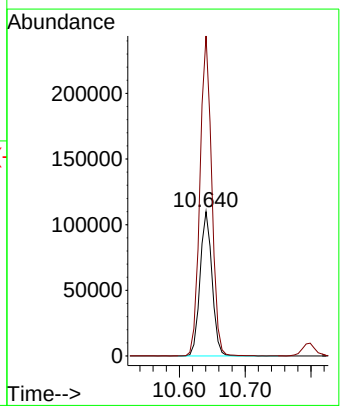


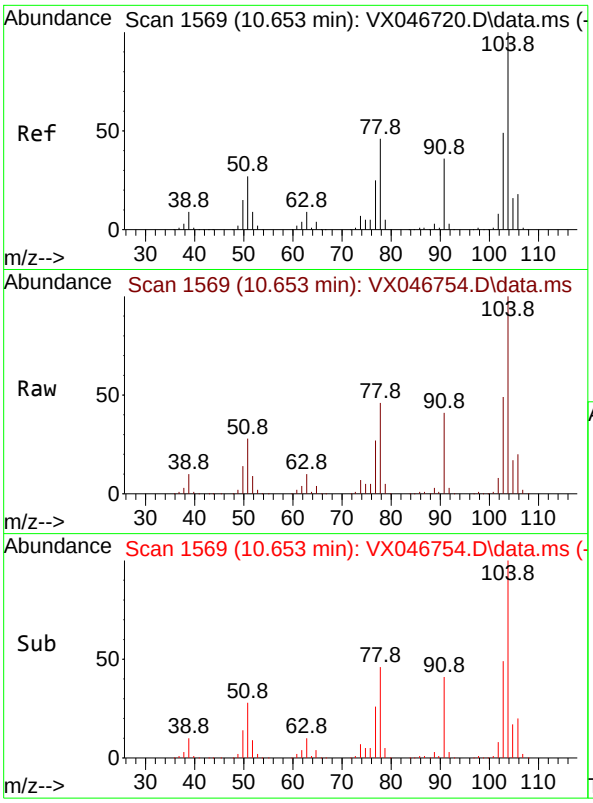




#69
o-Xylene
Concen: 49.257 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:106 Resp: 138291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 111.3 | 333.9 |

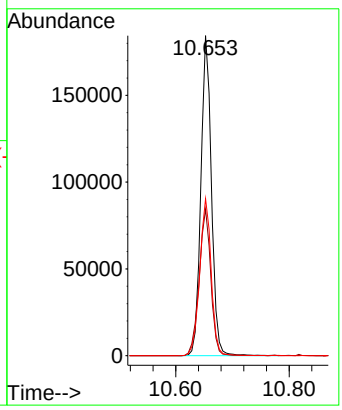





#70
Styrene
Concen: 48.609 ug/l
RT: 10.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:104 Resp: 23882

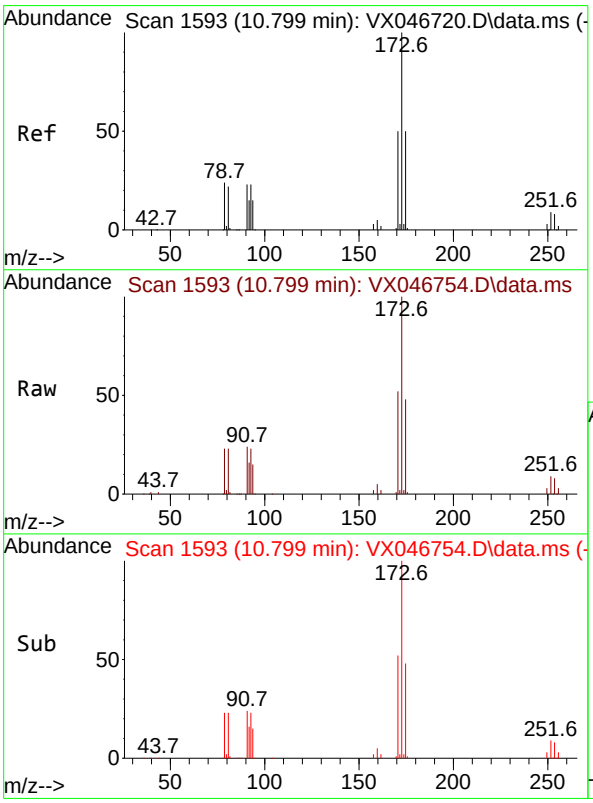
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 41.4 | 62.2 |
| 103 | 53.5 | 43.1 | 64.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

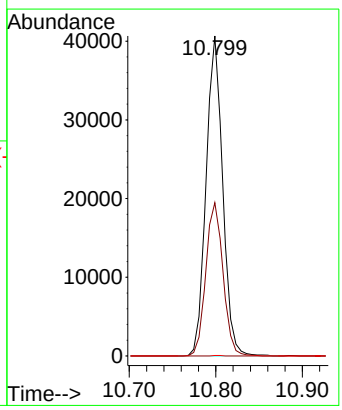
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

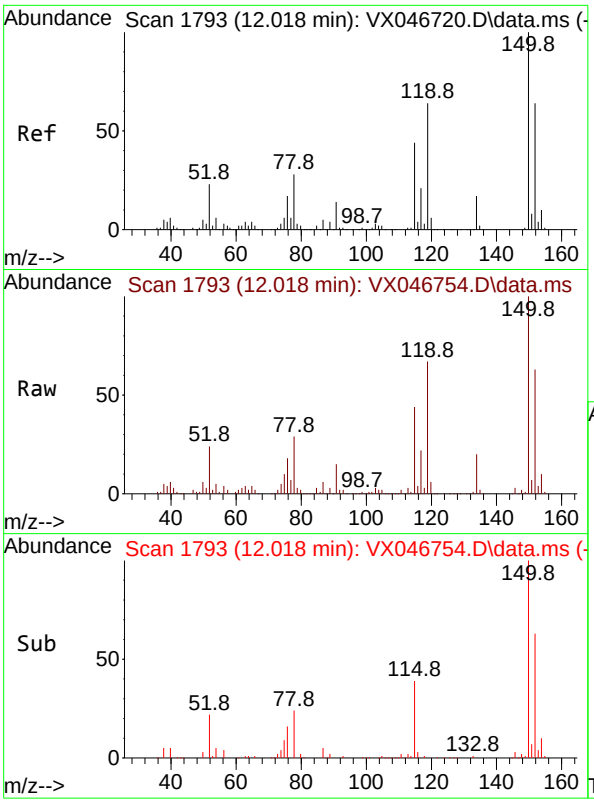



#71
Bromoform
Concen: 45.930 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:173 Resp: 54094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.6 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1# |

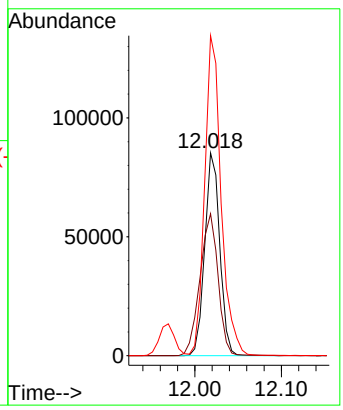





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:152 Resp: 10280

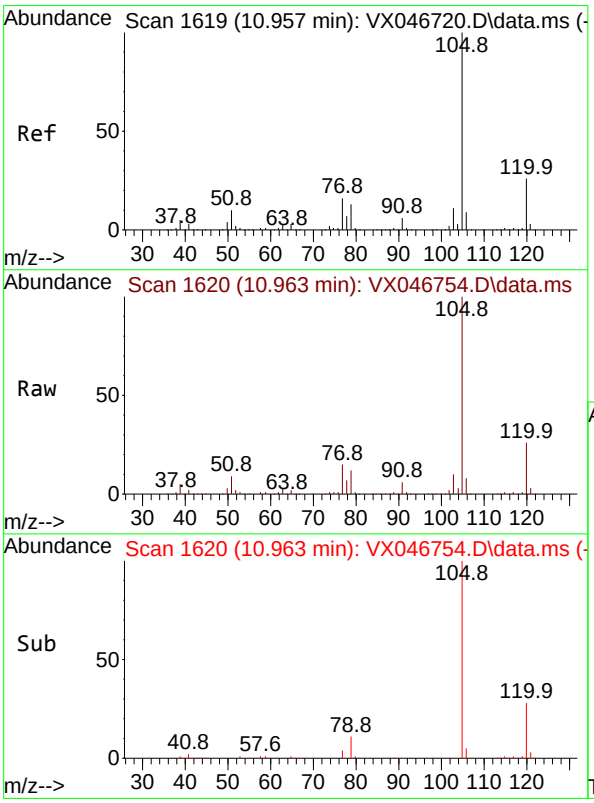
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.5 | 43.2 | 129.6 |
| 150 | 173.1 | 0.0 | 346.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

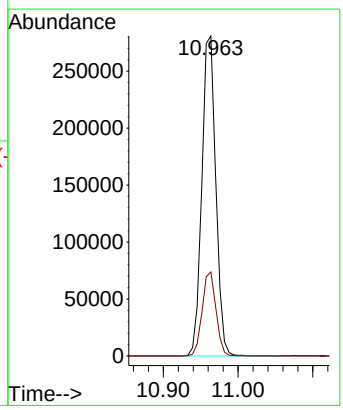
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

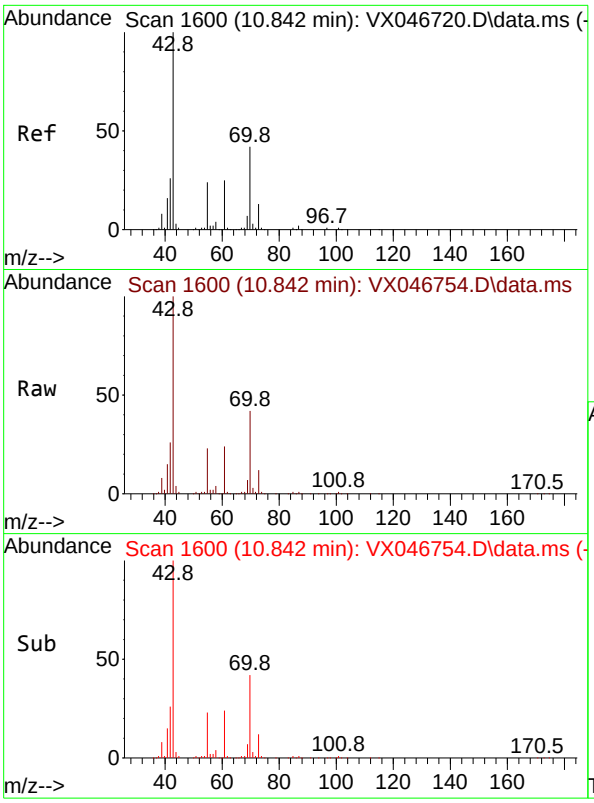



#73
Isopropylbenzene
Concen: 48.101 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 364190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |

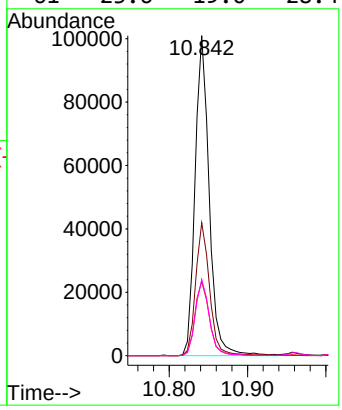





#74
N-amyl acetate
Concen: 44.281 ug/l
RT: 10.842 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 12702

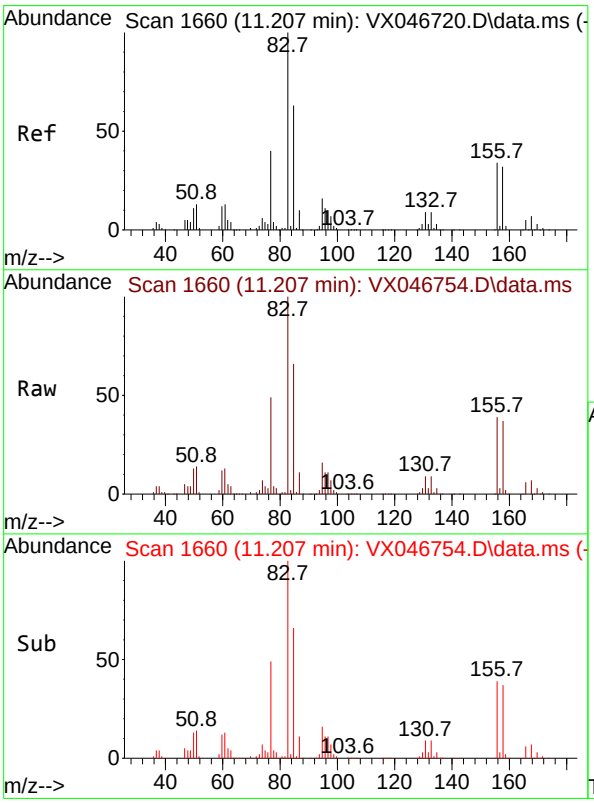
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 33.4 | 50.0 |
| 55 | 24.1 | 19.1 | 28.7 |
| 61 | 23.6 | 19.0 | 28.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

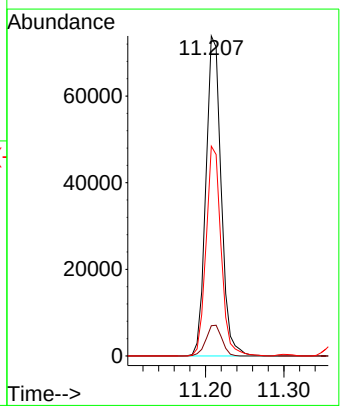
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

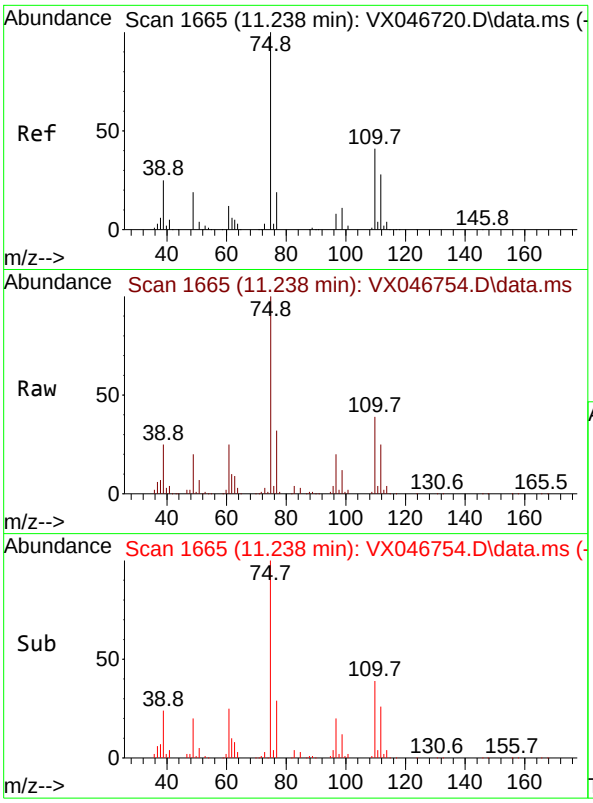



#75
1,1,2,2-Tetrachloroethane
Concen: 47.113 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 83 Resp: 99601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |






#76
1,2,3-Trichloropropane
Concen: 48.197 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

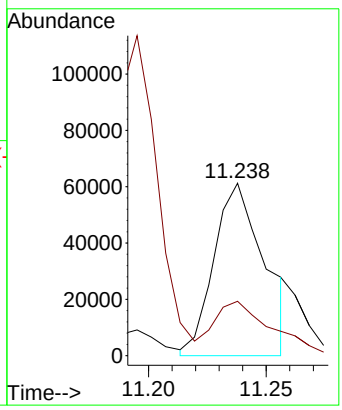
Tgt Ion: 75 Resp: 9074

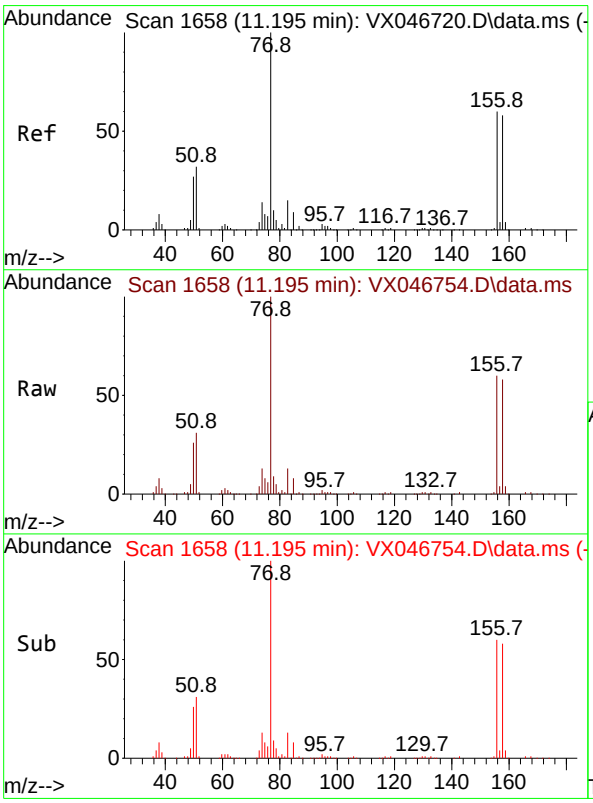
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.0 | 18.5 | 55.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

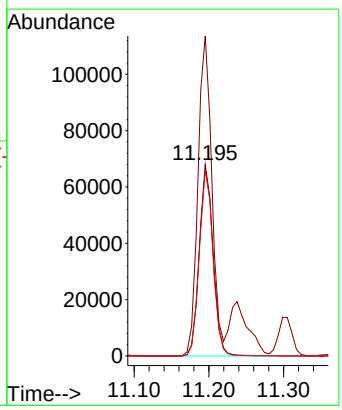


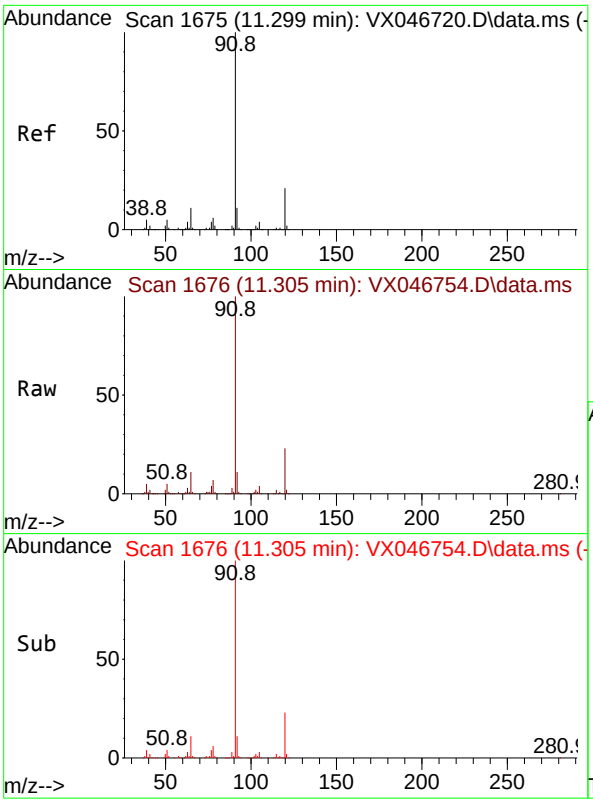




#77
Bromobenzene
Concen: 47.653 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:156 Resp: 86823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.3 | 82.8 | 248.6 |
| 158 | 97.0 | 47.6 | 142.9 |






#78
n-propylbenzene
Concen: 47.971 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

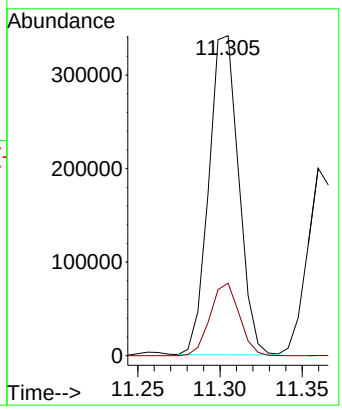
Tgt Ion: 91 Resp: 43140

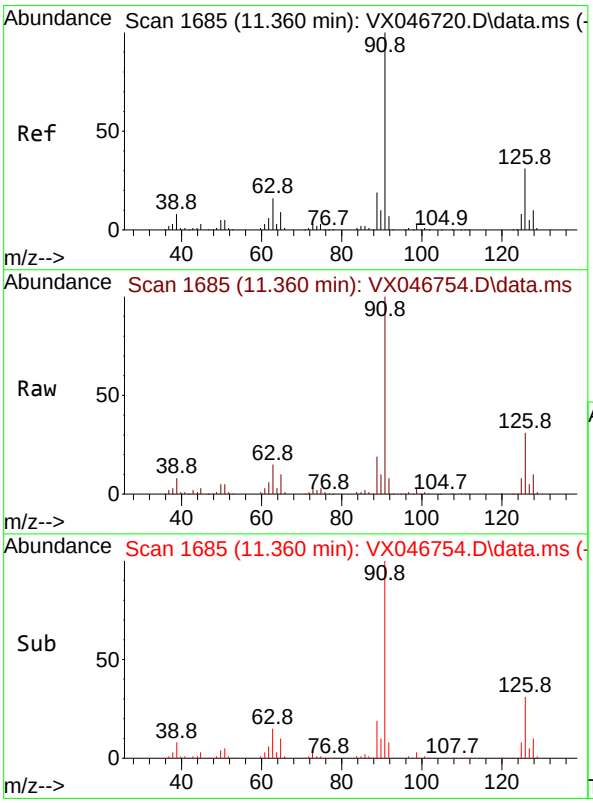
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.4 | 34.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

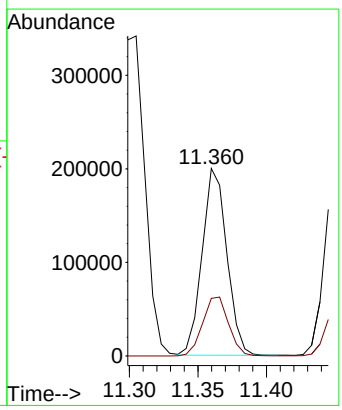


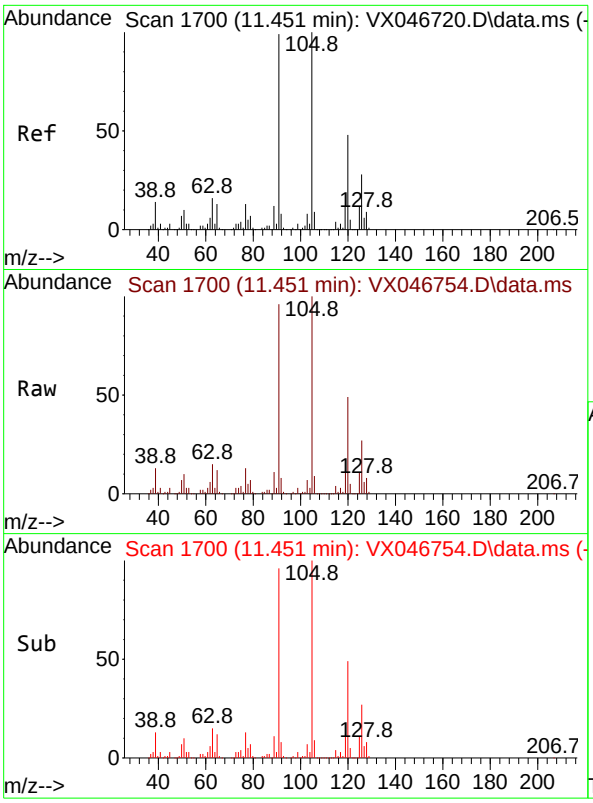




#79
2-Chlorotoluene
Concen: 46.774 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 251143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.6 | 49.7 |

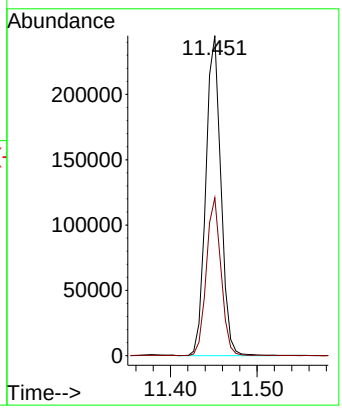





#80
1,3,5-Trimethylbenzene
Concen: 47.623 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 29630

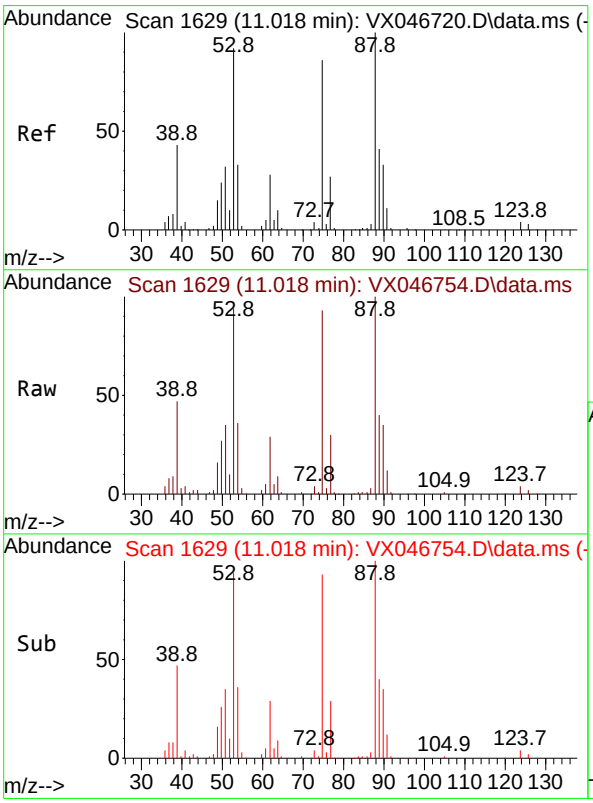
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.1 | 72.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

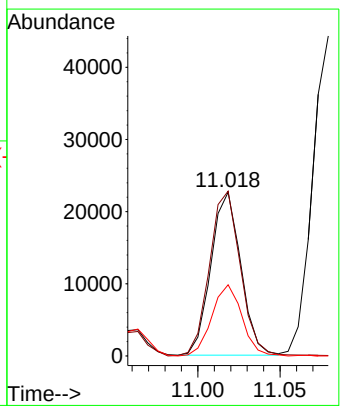
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

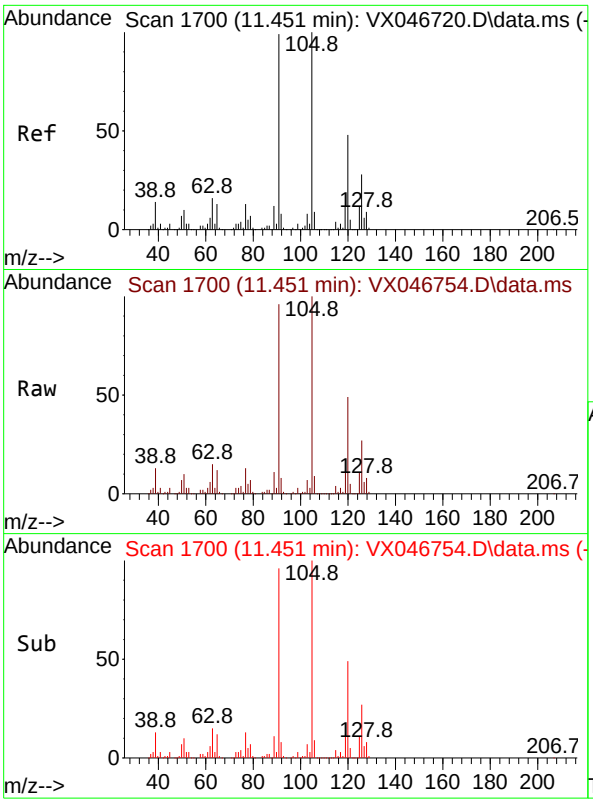



#81
trans-1,4-Dichloro-2-butene
Concen: 42.782 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 28498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.2 | 86.8 | 130.2 |
| 89 | 44.3 | 36.9 | 55.3 |

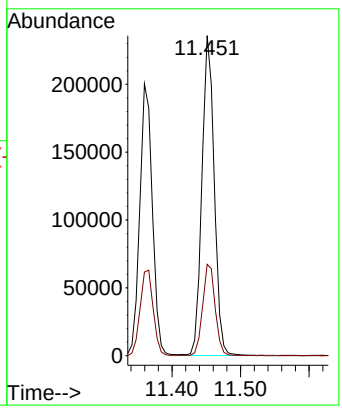





#82
4-Chlorotoluene
Concen: 47.107 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 29518

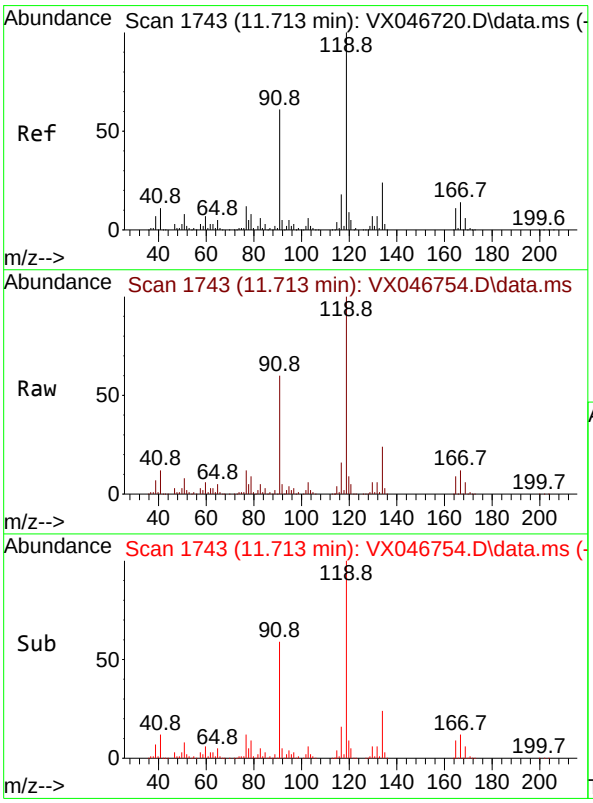
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

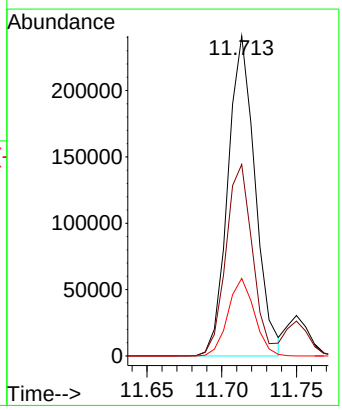
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

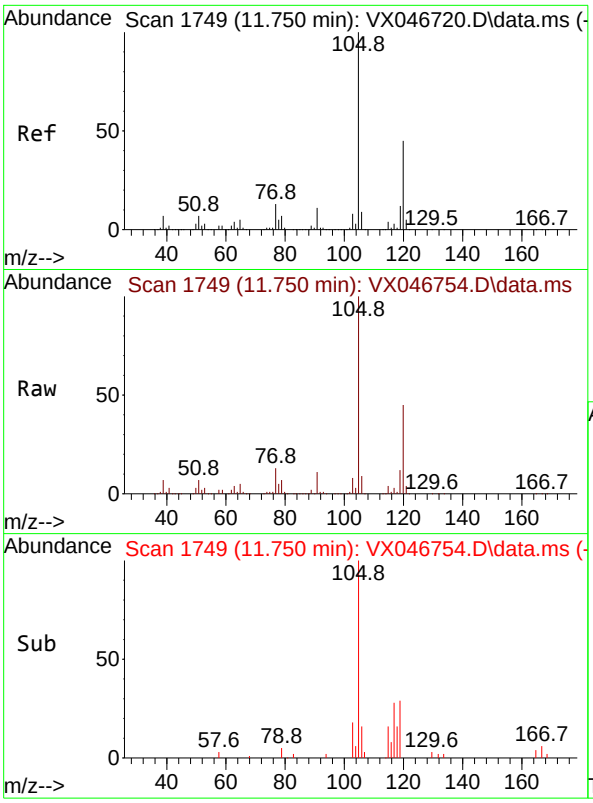



#83
tert-Butylbenzene
Concen: 47.460 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:119 Resp: 305236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.5 | 88.6 |
| 134 | 23.5 | 11.7 | 35.0 |

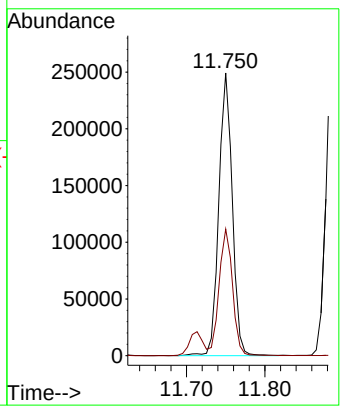





#84
1,2,4-Trimethylbenzene
Concen: 47.732 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 29837

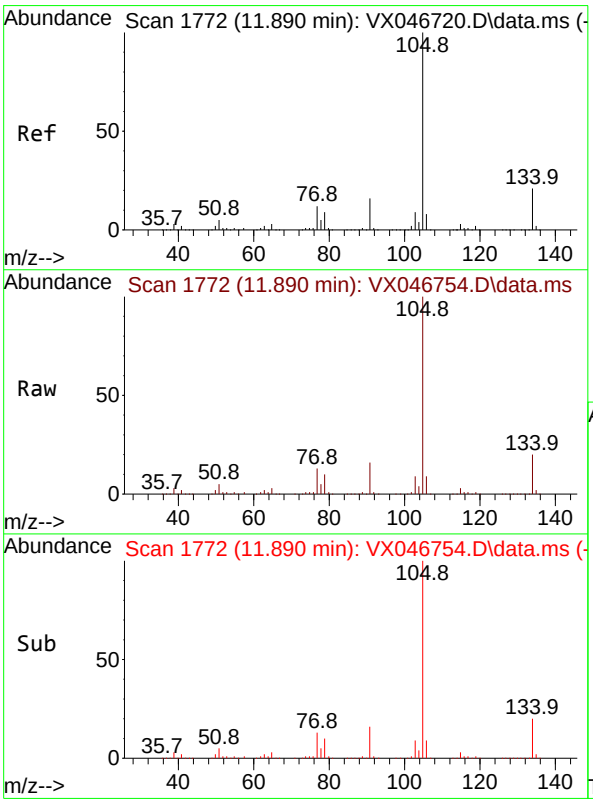
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

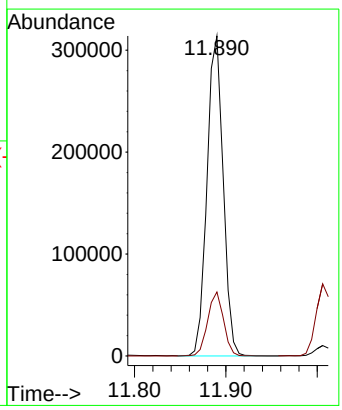
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

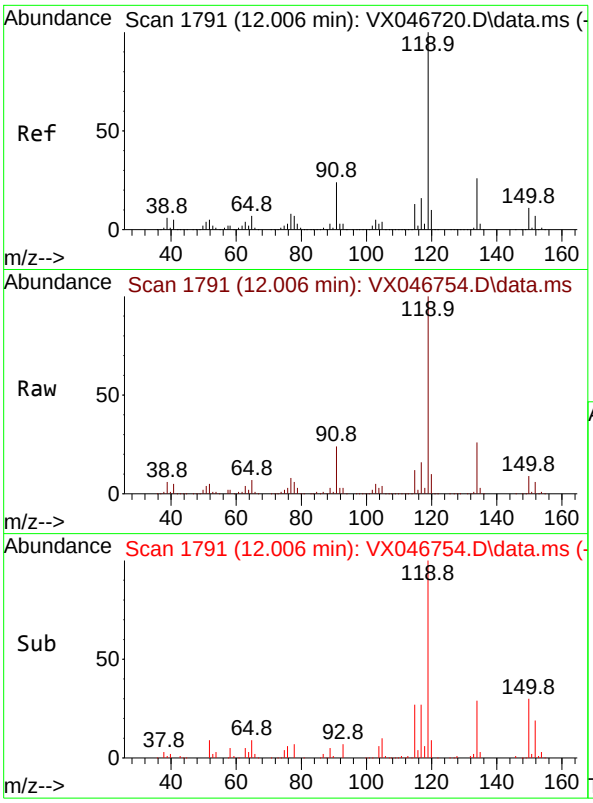



#85
sec-Butylbenzene
Concen: 47.347 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 384840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

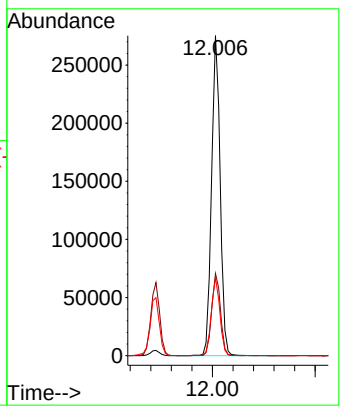





#86
p-Isopropyltoluene
Concen: 46.646 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:119 Resp: 31989

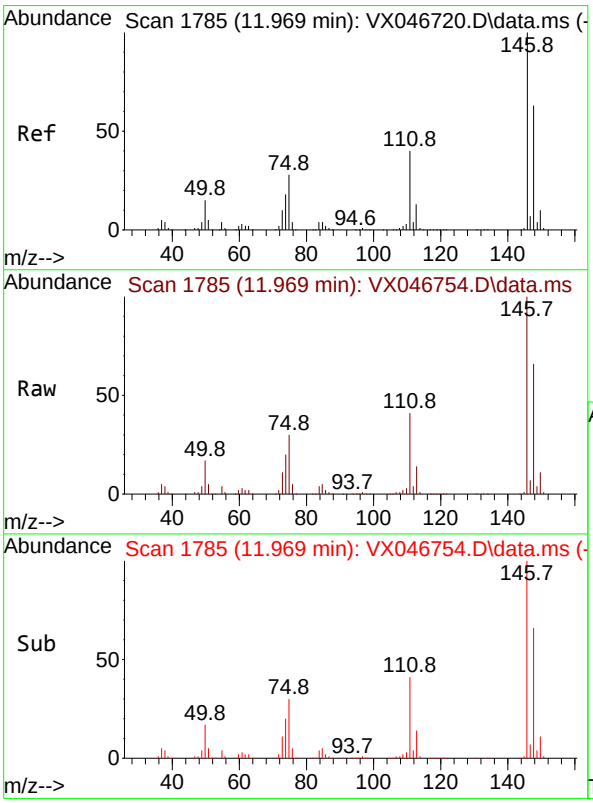
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 24.4 | 12.3 | 36.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

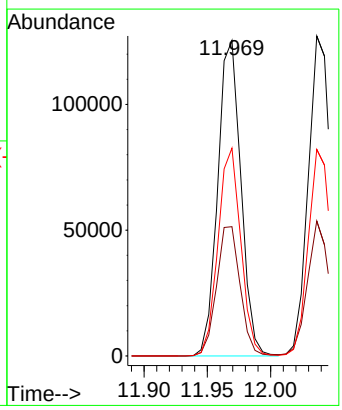
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

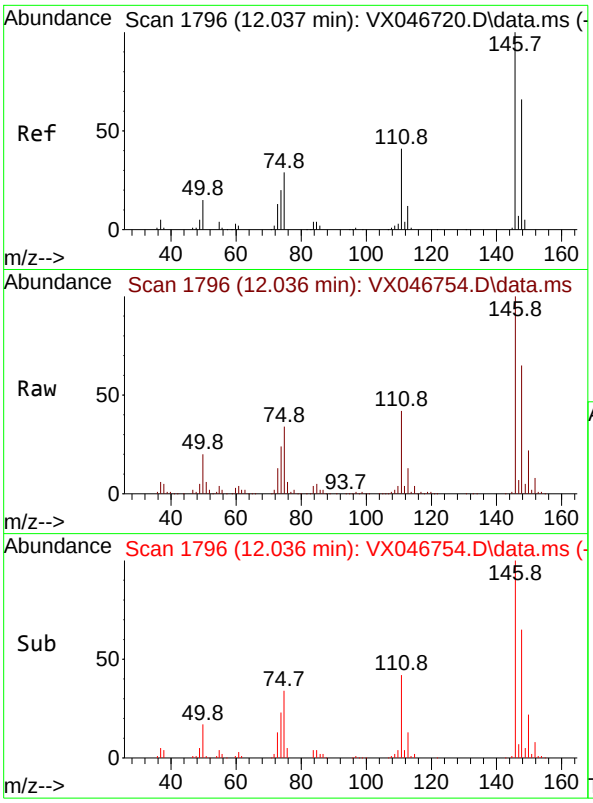



#87
1,3-Dichlorobenzene
Concen: 44.932 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:146 Resp: 159621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.6 | 61.8 |
| 148 | 64.7 | 31.6 | 94.8 |

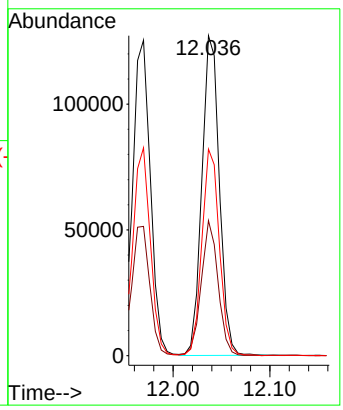





#88
1,4-Dichlorobenzene
Concen: 43.882 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:146 Resp: 16012

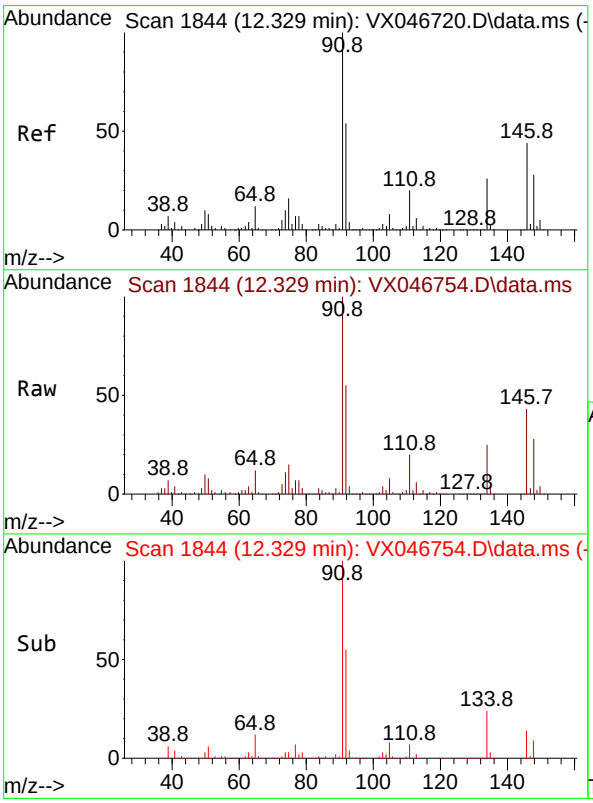
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.6 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

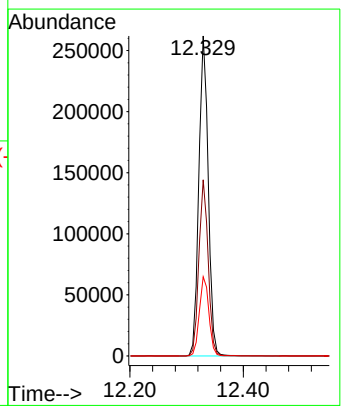
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

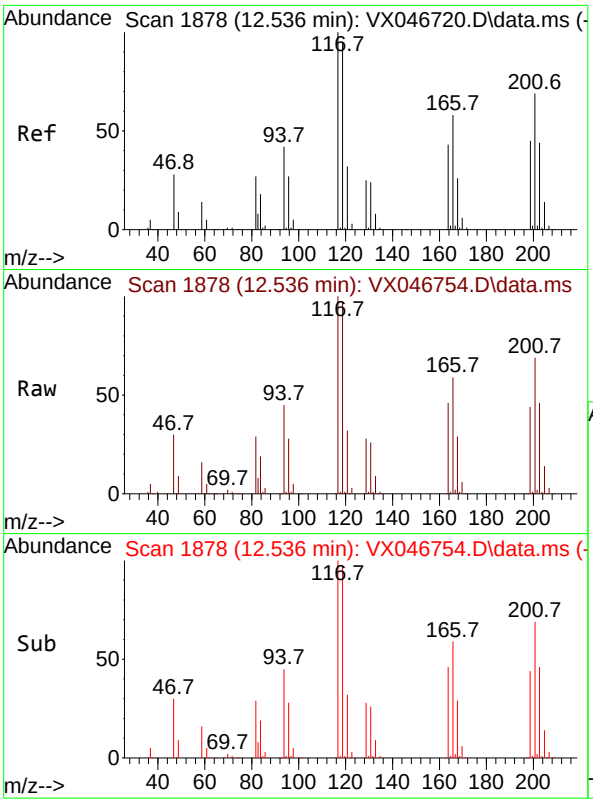



#89
n-Butylbenzene
Concen: 46.228 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 301016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.1 | 81.3 |
| 134 | 25.2 | 12.9 | 38.6 |

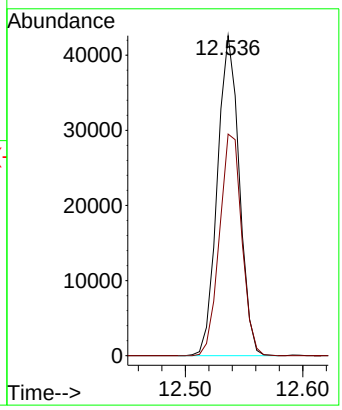





#90
Hexachloroethane
Concen: 45.931 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:117 Resp: 5516

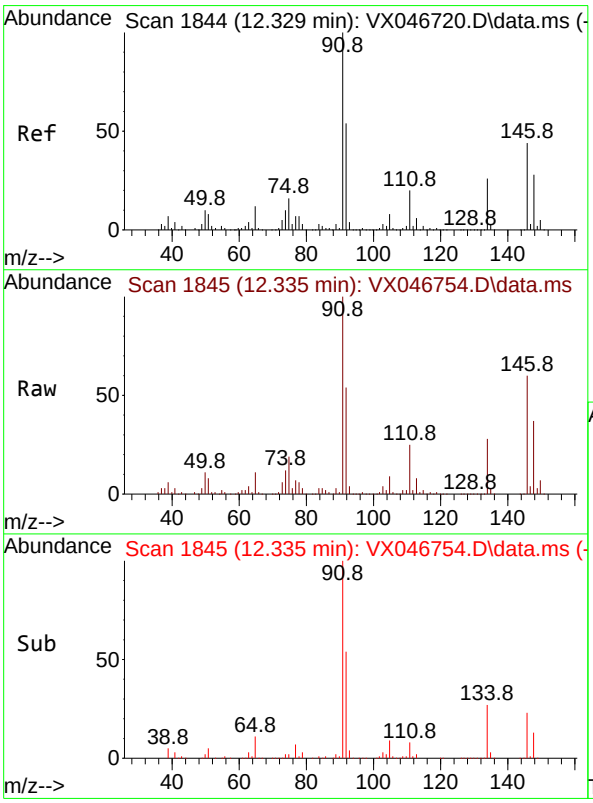
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

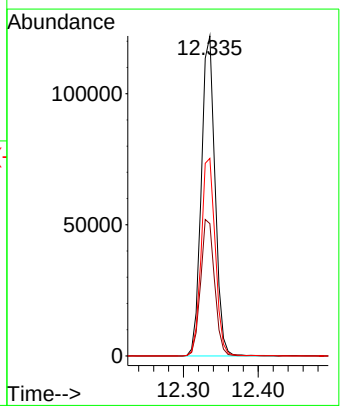
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

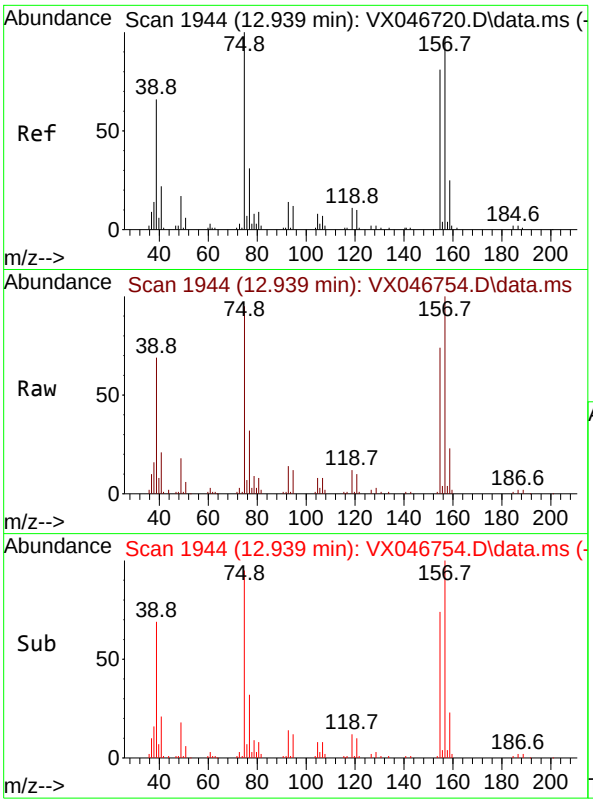



#91
1,2-Dichlorobenzene
Concen: 46.876 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:146 Resp: 155619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 21.7 | 65.1 |
| 148 | 63.4 | 32.0 | 96.2 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 44.327 ug/l
RT: 12.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

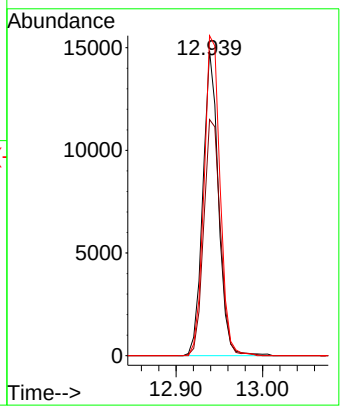
Tgt Ion: 75 Resp: 1850

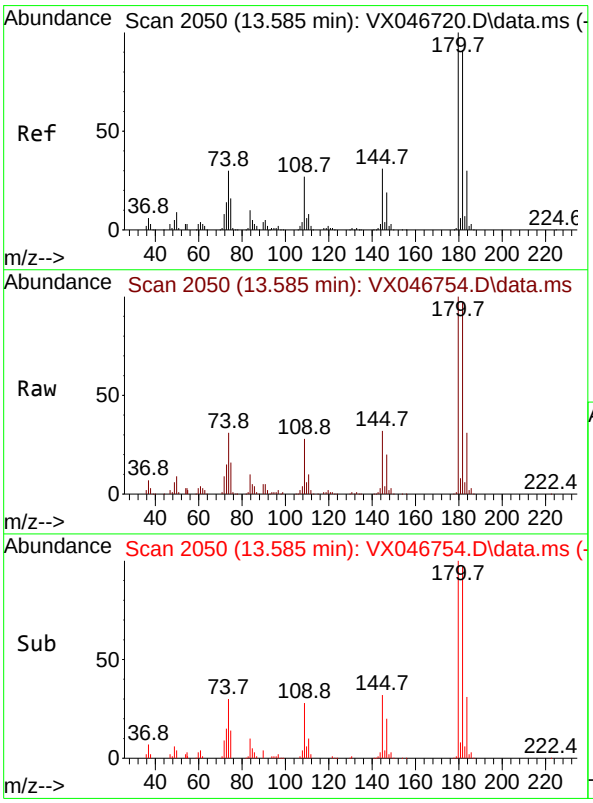
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.9 | 41.9 | 125.7 |
| 157 | 108.4 | 51.4 | 154.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

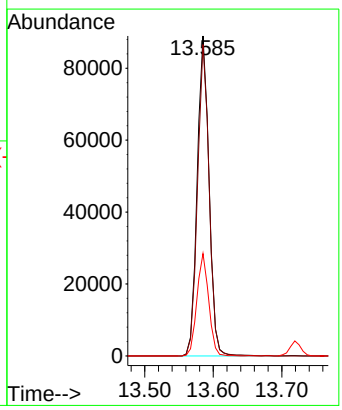


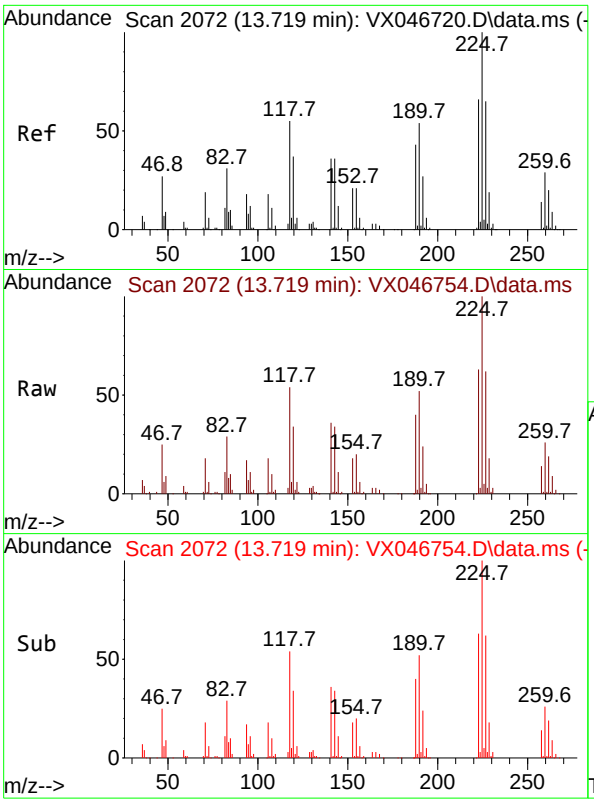




#93
1,2,4-Trichlorobenzene
Concen: 45.385 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:180 Resp: 107118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |

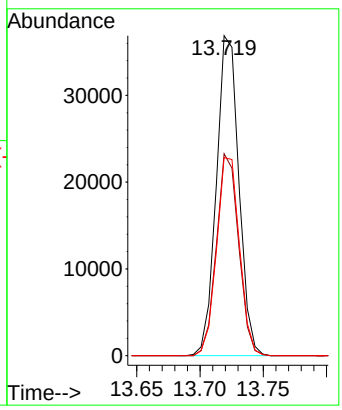





#94
Hexachlorobutadiene
Concen: 45.870 ug/l
RT: 13.719 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:225 Resp: 4554

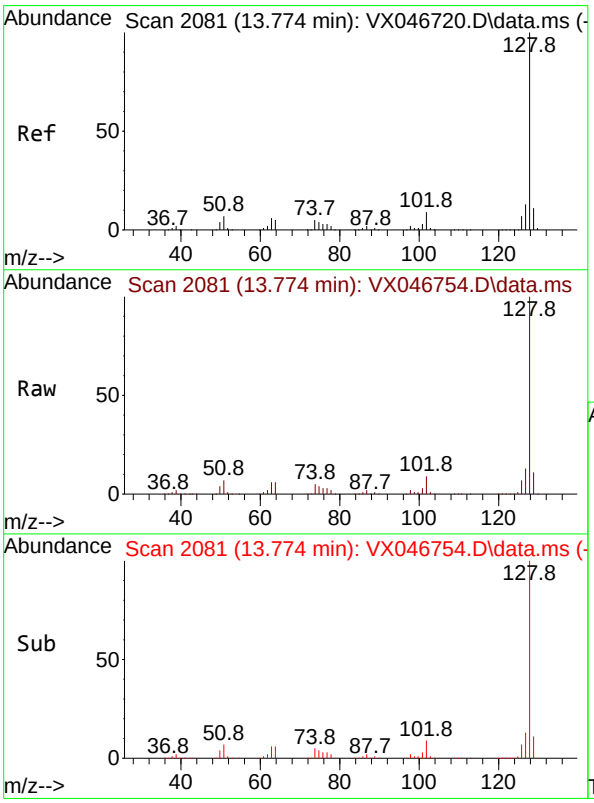
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 32.5 | 97.5 |
| 227 | 63.0 | 32.2 | 96.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

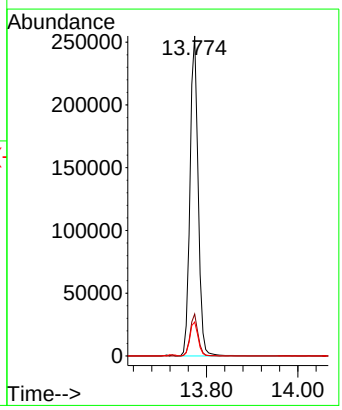
Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

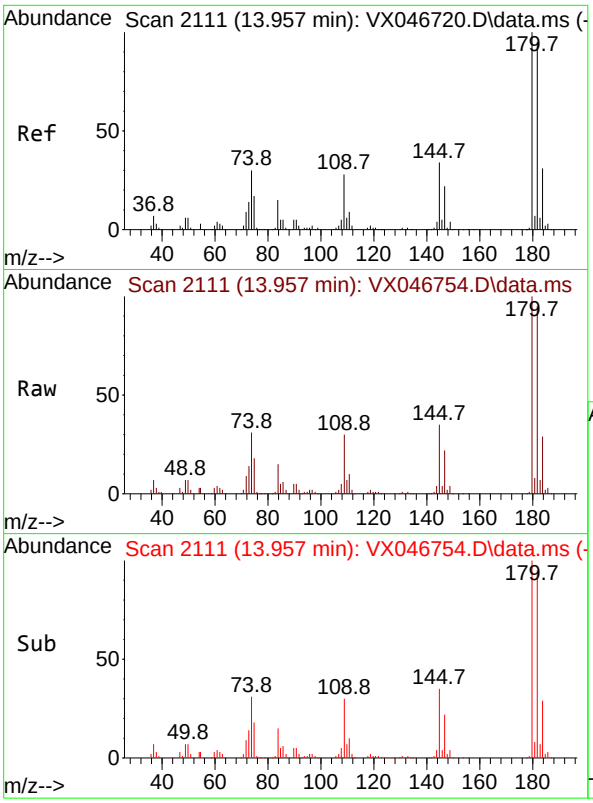



#95
Naphthalene
Concen: 46.868 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:128 Resp: 315148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |

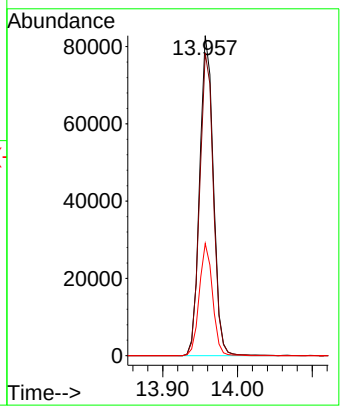





#96
1,2,3-Trichlorobenzene
Concen: 46.678 ug/l
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:180 Resp: 10539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 47.8 | 143.4 |
| 145 | 33.9 | 17.3 | 51.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

# Manual Integration Report

| Sequence: | vx061725 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VX046718.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:26:54 PM | MMDadoda | 6/18/2025 6:21:14 PM | Peak Integrated by Software |
| VSTDICC020 | VX046719.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:04 PM | MMDadoda | 6/18/2025 6:21:20 PM | Peak Integrated by Software |
| VSTDICCC050 | VX046720.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:12 PM | MMDadoda | 6/18/2025 6:21:32 PM | Peak Integrated by Software |
| VSTDICC100 | VX046721.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:20 PM | MMDadoda | 6/18/2025 6:21:40 PM | Peak Integrated by Software |
| VSTDICC150 | VX046722.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:27 PM | MMDadoda | 6/18/2025 6:21:48 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 1,4-Dichlorobenzene | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 2,2-Dichloropropane | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Chloroform | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Ethyl Acetate | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Methacrylonitrile | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICV050 | VX046726.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:47 PM | MMDadoda | 6/18/2025 6:22:09 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | vx061725 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | vx061825 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046728.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:44:37 AM | MMdadoda | 6/21/2025 12:14:53 AM | Peak Integrated by Software |
| VX0618WBS01 | VX046731.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:44:42 AM | MMdadoda | 6/21/2025 12:14:58 AM | Peak Integrated by Software |
| Q2345-08MS | VX046753.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:45:26 AM | MMdadoda | 6/21/2025 12:15:09 AM | Peak Integrated by Software |
| Q2345-09MSD | VX046754.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:45:30 AM | MMdadoda | 6/21/2025 12:15:16 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046756.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:45:35 AM | MMdadoda | 6/21/2025 12:15:20 AM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | VX061925 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046758.D | 1,2,3-Trichloropropane | JOHN | 6/20/2025 8:42:24 AM | MMdadoda | 6/21/2025 12:20:44 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046758.D | 2-Butanone | JOHN | 6/20/2025 8:42:24 AM | MMdadoda | 6/21/2025 12:20:44 AM | Peak Integrated by Software |
| VX0619WBS01 | VX046762.D | 1,2,3-Trichloropropane | JOHN | 6/20/2025 8:42:30 AM | MMdadoda | 6/21/2025 12:20:48 AM | Peak Integrated by Software |
| VX0619WBS01 | VX046762.D | 2-Butanone | JOHN | 6/20/2025 8:42:30 AM | MMdadoda | 6/21/2025 12:20:48 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046775.D | 1,2,3-Trichloropropane | JOHN | 6/20/2025 8:42:59 AM | MMdadoda | 6/21/2025 12:21:03 AM | Peak Integrated by Software |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 6/18/2025 5:28:16 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/18/2025 6:22:48 PM | | |
| SubDirectory | VX061725 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134389 |
| Initial Calibration Stds | VP134390,VP134391,VP134392,VP134393,VP134394,VP134395 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134396 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046715.D | 17 Jun 2025 08:46 | JC/MD | Ok |
| 2 | VSTDICC001 | VX046716.D | 17 Jun 2025 10:09 | JC/MD | Not Ok |
| 3 | VSTDICC001 | VX046717.D | 17 Jun 2025 10:58 | JC/MD | ReRun |
| 4 | VSTDICC005 | VX046718.D | 17 Jun 2025 11:19 | JC/MD | Ok,M |
| 5 | VSTDICC020 | VX046719.D | 17 Jun 2025 13:59 | JC/MD | Ok,M |
| 6 | VSTDICCC050 | VX046720.D | 17 Jun 2025 14:20 | JC/MD | Ok,M |
| 7 | VSTDICC100 | VX046721.D | 17 Jun 2025 14:41 | JC/MD | Ok,M |
| 8 | VSTDICC150 | VX046722.D | 17 Jun 2025 15:02 | JC/MD | Ok,M |
| 9 | IBLK | VX046723.D | 17 Jun 2025 15:23 | JC/MD | Ok |
| 10 | VSTDICC001 | VX046724.D | 17 Jun 2025 16:20 | JC/MD | Not Ok |
| 11 | VSTDICC001 | VX046725.D | 17 Jun 2025 17:18 | JC/MD | Ok,M |
| 12 | VSTDICV050 | VX046726.D | 17 Jun 2025 18:00 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | | HP Processing Method | 82X061725W.M | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046727.D | 18 Jun 2025 08:59 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046728.D | 18 Jun 2025 09:33 | JC/MD | Ok,M |
| 3 | VX0618MBL01 | VX046729.D | 18 Jun 2025 10:22 | JC/MD | Ok |
| 4 | VX0618WBL01 | VX046730.D | 18 Jun 2025 10:45 | JC/MD | Ok |
| 5 | VX0618WBS01 | VX046731.D | 18 Jun 2025 11:07 | JC/MD | Ok,M |
| 6 | VX0618WBSD01 | VX046732.D | 18 Jun 2025 11:29 | JC/MD | Ok,M |
| 7 | Q2345-01 | VX046733.D | 18 Jun 2025 11:50 | JC/MD | ReRun |
| 8 | Q2345-02 | VX046734.D | 18 Jun 2025 12:12 | JC/MD | Ok |
| 9 | Q2345-03 | VX046735.D | 18 Jun 2025 12:33 | JC/MD | Ok |
| 10 | Q2345-04 | VX046736.D | 18 Jun 2025 12:54 | JC/MD | Ok |
| 11 | Q2345-05 | VX046737.D | 18 Jun 2025 13:15 | JC/MD | Ok |
| 12 | Q2345-06 | VX046738.D | 18 Jun 2025 13:37 | JC/MD | Ok |
| 13 | Q2345-07 | VX046739.D | 18 Jun 2025 13:58 | JC/MD | Ok |
| 14 | Q2345-10 | VX046740.D | 18 Jun 2025 14:20 | JC/MD | Ok |
| 15 | Q2345-11 | VX046741.D | 18 Jun 2025 14:41 | JC/MD | Ok |
| 16 | Q2345-12 | VX046742.D | 18 Jun 2025 15:03 | JC/MD | Ok |
| 17 | Q2345-13 | VX046743.D | 18 Jun 2025 15:24 | JC/MD | Ok |
| 18 | Q2345-14 | VX046744.D | 18 Jun 2025 15:46 | JC/MD | Ok |
| 19 | Q2345-15 | VX046745.D | 18 Jun 2025 16:07 | JC/MD | Ok |
| 20 | Q2345-16 | VX046746.D | 18 Jun 2025 16:29 | JC/MD | Ok |
| 21 | Q2345-17 | VX046747.D | 18 Jun 2025 16:50 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | HP Processing Method | 82X061725W.M | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2344-09 | VX046748.D | 18 Jun 2025 17:12 | JC/MD | Ok |
| 23 | Q2344-01 | VX046749.D | 18 Jun 2025 17:34 | JC/MD | Ok |
| 24 | Q2344-03 | VX046750.D | 18 Jun 2025 17:55 | JC/MD | Ok |
| 25 | Q2344-05 | VX046751.D | 18 Jun 2025 18:16 | JC/MD | Ok |
| 26 | Q2344-07 | VX046752.D | 18 Jun 2025 18:37 | JC/MD | Ok |
| 27 | Q2345-08MS | VX046753.D | 18 Jun 2025 18:58 | JC/MD | Ok,M |
| 28 | Q2345-09MSD | VX046754.D | 18 Jun 2025 19:19 | JC/MD | Ok,M |
| 29 | VIBLK | VX046755.D | 18 Jun 2025 19:40 | JC/MD | Ok |
| 30 | VSTDCCC050 | VX046756.D | 18 Jun 2025 20:01 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061925

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/20/2025 8:46:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:21:16 AM | | |
| SubDirectory | VX061925 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134428 |
| Initial Calibration Stds | |
| CCC | VP134429,VP134430 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046757.D | 19 Jun 2025 08:42 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046758.D | 19 Jun 2025 09:43 | JC/MD | Ok,M |
| 3 | VX0619MBL01 | VX046759.D | 19 Jun 2025 10:12 | JC/MD | Ok |
| 4 | VX0619WBL01 | VX046760.D | 19 Jun 2025 10:33 | JC/MD | Ok |
| 5 | Q2345-01 | VX046761.D | 19 Jun 2025 11:03 | JC/MD | Ok |
| 6 | VX0619WBS01 | VX046762.D | 19 Jun 2025 11:24 | JC/MD | Ok,M |
| 7 | VX0619WBSD01 | VX046763.D | 19 Jun 2025 11:51 | JC/MD | Ok,M |
| 8 | Q2361-01 | VX046764.D | 19 Jun 2025 12:12 | JC/MD | Ok |
| 9 | Q2334-01 | VX046765.D | 19 Jun 2025 12:33 | JC/MD | Ok |
| 10 | Q2334-02 | VX046766.D | 19 Jun 2025 12:54 | JC/MD | Ok |
| 11 | Q2334-03 | VX046767.D | 19 Jun 2025 13:15 | JC/MD | Ok |
| 12 | Q2363-02 | VX046768.D | 19 Jun 2025 13:36 | JC/MD | Dilution |
| 13 | IBLK | VX046769.D | 19 Jun 2025 13:57 | JC/MD | Ok |
| 14 | IBLK | VX046770.D | 19 Jun 2025 14:18 | JC/MD | Ok |
| 15 | Q2351-01 | VX046771.D | 19 Jun 2025 15:45 | JC/MD | Ok |
| 16 | Q2372-02 | VX046772.D | 19 Jun 2025 16:06 | JC/MD | Ok |
| 17 | Q2372-01 | VX046773.D | 19 Jun 2025 16:27 | JC/MD | Ok |
| 18 | IBLK | VX046774.D | 19 Jun 2025 16:49 | JC/MD | Ok |
| 19 | VSTDCCC050 | VX046775.D | 19 Jun 2025 17:10 | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 6/18/2025 5:28:16 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/18/2025 6:22:48 PM | | |
| SubDirectory | VX061725 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134389 |
| Initial Calibration Stds | VP134390,VP134391,VP134392,VP134393,VP134394,VP134395 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134396 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046715.D | 17 Jun 2025 08:46 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX046716.D | 17 Jun 2025 10:09 | RRF check | JC/MD | Not Ok |
| 3 | VSTDICC001 | VSTDICC001 | VX046717.D | 17 Jun 2025 10:58 | low response | JC/MD | ReRun |
| 4 | VSTDICC005 | VSTDICC005 | VX046718.D | 17 Jun 2025 11:19 | | JC/MD | Ok,M |
| 5 | VSTDICC020 | VSTDICC020 | VX046719.D | 17 Jun 2025 13:59 | LR- 10,49 | JC/MD | Ok,M |
| 6 | VSTDICCC050 | VSTDICCC050 | VX046720.D | 17 Jun 2025 14:20 | | JC/MD | Ok,M |
| 7 | VSTDICC100 | VSTDICC100 | VX046721.D | 17 Jun 2025 14:41 | | JC/MD | Ok,M |
| 8 | VSTDICC150 | VSTDICC150 | VX046722.D | 17 Jun 2025 15:02 | | JC/MD | Ok,M |
| 9 | IBLK | IBLK | VX046723.D | 17 Jun 2025 15:23 | | JC/MD | Ok |
| 10 | VSTDICC001 | VSTDICC001 | VX046724.D | 17 Jun 2025 16:20 | spike error | JC/MD | Not Ok |
| 11 | VSTDICC001 | VSTDICC001 | VX046725.D | 17 Jun 2025 17:18 | | JC/MD | Ok,M |
| 12 | VSTDICV050 | ICVVX061725 | VX046726.D | 17 Jun 2025 18:00 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr # | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046727.D | 18 Jun 2025 08:59 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046728.D | 18 Jun 2025 09:33 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0618MBL01 | VX0618MBL01 | VX046729.D | 18 Jun 2025 10:22 | | JC/MD | Ok |
| 4 | VX0618WBL01 | VX0618WBL01 | VX046730.D | 18 Jun 2025 10:45 | | JC/MD | Ok |
| 5 | VX0618WBS01 | VX0618WBS01 | VX046731.D | 18 Jun 2025 11:07 | | JC/MD | Ok,M |
| 6 | VX0618WBSD01 | VX0618WBSD01 | VX046732.D | 18 Jun 2025 11:29 | vial A pH<2 | JC/MD | Ok,M |
| 7 | Q2345-01 | EB02-20250616 | VX046733.D | 18 Jun 2025 11:50 | vial A pH<2 EB;Hit of com.#16,20 | JC/MD | ReRun |
| 8 | Q2345-02 | TB03-20250616 | VX046734.D | 18 Jun 2025 12:12 | vial A pH<2 TB | JC/MD | Ok |
| 9 | Q2345-03 | BPOW6-1-20250616 | VX046735.D | 18 Jun 2025 12:33 | vial A pH<2 | JC/MD | Ok |
| 10 | Q2345-04 | BPOW6-2-20250616 | VX046736.D | 18 Jun 2025 12:54 | vial A pH<2 | JC/MD | Ok |
| 11 | Q2345-05 | DUP05-20250616 | VX046737.D | 18 Jun 2025 13:15 | vial A pH<2 | JC/MD | Ok |
| 12 | Q2345-06 | BPOW6-3-20250616 | VX046738.D | 18 Jun 2025 13:37 | vial A pH<2 | JC/MD | Ok |
| 13 | Q2345-07 | BPOW6-5-20250616 | VX046739.D | 18 Jun 2025 13:58 | vial A pH<2 | JC/MD | Ok |
| 14 | Q2345-10 | BPOW6-6-20250616 | VX046740.D | 18 Jun 2025 14:20 | vial A pH<2 | JC/MD | Ok |
| 15 | Q2345-11 | BPOW6-10-20250616 | VX046741.D | 18 Jun 2025 14:41 | vial A pH<2 | JC/MD | Ok |
| 16 | Q2345-12 | BPOW6-9-20250616 | VX046742.D | 18 Jun 2025 15:03 | vial A pH<2 | JC/MD | Ok |
| 17 | Q2345-13 | TT189D2-20250617 | VX046743.D | 18 Jun 2025 15:24 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q2345-14 | TT150S1-20250617 | VX046744.D | 18 Jun 2025 15:46 | vial A pH<2 | JC/MD | Ok |
| 19 | Q2345-15 | RW8-MW01D1-202506 | VX046745.D | 18 Jun 2025 16:07 | vial A pH<2 | JC/MD | Ok |
| 20 | Q2345-16 | TT192D2-20250617 | VX046746.D | 18 Jun 2025 16:29 | vial A pH<2 | JC/MD | Ok |
| 21 | Q2345-17 | BPOW6-4-20250616 | VX046747.D | 18 Jun 2025 16:50 | vial A pH<2 | JC/MD | Ok |
| 22 | Q2344-09 | TRIP-BLANK | VX046748.D | 18 Jun 2025 17:12 | vial A pH<2 TB | JC/MD | Ok |
| 23 | Q2344-01 | MW-1 | VX046749.D | 18 Jun 2025 17:34 | vial A pH<2 | JC/MD | Ok |
| 24 | Q2344-03 | MW-3 | VX046750.D | 18 Jun 2025 17:55 | vial A pH<2 | JC/MD | Ok |
| 25 | Q2344-05 | MW-4 | VX046751.D | 18 Jun 2025 18:16 | vial A pH<2 | JC/MD | Ok |
| 26 | Q2344-07 | MW-2 | VX046752.D | 18 Jun 2025 18:37 | vial A pH<2 | JC/MD | Ok |
| 27 | Q2345-08MS | BPOW6-5-20250616MS | VX046753.D | 18 Jun 2025 18:58 | vial A pH<2 | JC/MD | Ok,M |
| 28 | Q2345-09MSD | BPOW6-5-20250616MS | VX046754.D | 18 Jun 2025 19:19 | vial A pH<2 | JC/MD | Ok,M |
| 29 | VIBLK | VIBLK | VX046755.D | 18 Jun 2025 19:40 | | JC/MD | Ok |
| 30 | VSTDCCC050 | VSTDCCC050EC | VX046756.D | 18 Jun 2025 20:01 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061925

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/20/2025 8:46:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:21:16 AM | | |
| SubDirectory | VX061925 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134428 |
| Initial Calibration Stds | |
| CCC | VP134429,VP134430 |
| 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 | VX046757.D | 19 Jun 2025 08:42 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046758.D | 19 Jun 2025 09:43 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0619MBL01 | VX0619MBL01 | VX046759.D | 19 Jun 2025 10:12 | | JC/MD | Ok |
| 4 | VX0619WBL01 | VX0619WBL01 | VX046760.D | 19 Jun 2025 10:33 | | JC/MD | Ok |
| 5 | Q2345-01 | EB02-20250616 | VX046761.D | 19 Jun 2025 11:03 | vial B pH<2 EB | JC/MD | Ok |
| 6 | VX0619WBS01 | VX0619WBS01 | VX046762.D | 19 Jun 2025 11:24 | | JC/MD | Ok,M |
| 7 | VX0619WBSD01 | VX0619WBSD01 | VX046763.D | 19 Jun 2025 11:51 | | JC/MD | Ok,M |
| 8 | Q2361-01 | TT205S1-20250617 | VX046764.D | 19 Jun 2025 12:12 | vial A pH<2 | JC/MD | Ok |
| 9 | Q2334-01 | MW3 | VX046765.D | 19 Jun 2025 12:33 | vial A pH<2 | JC/MD | Ok |
| 10 | Q2334-02 | MW4 | VX046766.D | 19 Jun 2025 12:54 | vial A pH<2 | JC/MD | Ok |
| 11 | Q2334-03 | GBTW1 | VX046767.D | 19 Jun 2025 13:15 | vial A pH<2 | JC/MD | Ok |
| 12 | Q2363-02 | GCAP1W | VX046768.D | 19 Jun 2025 13:36 | vial A pH<2 Need 20X | JC/MD | Dilution |
| 13 | IBLK | IBLK | VX046769.D | 19 Jun 2025 13:57 | | JC/MD | Ok |
| 14 | IBLK | IBLK | VX046770.D | 19 Jun 2025 14:18 | | JC/MD | Ok |
| 15 | Q2351-01 | FAIRLAWN-SUMP | VX046771.D | 19 Jun 2025 15:45 | vial A pH<2 oily sample | JC/MD | Ok |
| 16 | Q2372-02 | GAV2W | VX046772.D | 19 Jun 2025 16:06 | vial A pH<2 | JC/MD | Ok |
| 17 | Q2372-01 | GAV1W | VX046773.D | 19 Jun 2025 16:27 | vial A pH<2 | JC/MD | Ok |
| 18 | IBLK | IBLK | VX046774.D | 19 Jun 2025 16:49 | | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061925

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/20/2025 8:46:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:21:16 AM | | |
| SubDirectory | VX061925 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134428 |
| Initial Calibration Stds | |
| CCC | VP134429,VP134430 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | VSTDCCC050 | VSTDCCC050EC | VX046775.D | 19 Jun 2025 17:10 | | JC/MD | Ok,M |

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q2345

**Test :** VOCMS Group1

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** vx061825,VX061925,

**Standard ID :**
VP133174,VP133887,VP133935,VP133953,VP133991,VP134142,VP134149,VP134413,VP134416,VP134417,VP134428,VP134429,VP134430,

**Chemical ID :**
V13391,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14620,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14921,V14929,V14944,V14945,V14946,V14947,W3112,

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

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 617 | 8260 Surrogate, 400PPM | VP133174 | 02/27/2025 | 08/27/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 03/04/2025 |

**FROM** 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP133887 | 05/12/2025 | 06/23/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/14/2025 |

**FROM** 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = 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 |
|---|---|---|---|---|---|---|---|---|
| 247 | 8260 Internal Standard, 250PPM | VP133935 | 05/16/2025 | 11/12/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/21/2025 |

**FROM** 0.25000ml of V14290 + 24.75000ml of V14921 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP133953 | 05/19/2025 | 11/09/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/21/2025 |

**FROM** 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP133991 | 05/22/2025 | 06/19/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 05/24/2025 |

**FROM** 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 719 | 8260 Working STD (BCM)-First source, 400PPM | VP134142 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1810 | 8260 Working Std(2-CVE)-800ppm | VP134149 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP134413 | 06/18/2025 | 06/19/2025 | Mahesh Dadoda | None | None | Semsettin Yesilyurt 06/21/2025 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP134416 | 06/18/2025 | 06/19/2025 | Mahesh Dadoda | None | None | Semsettin Yesilyurt 06/24/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = 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 | VP134417 | 06/18/2025 | 06/19/2025 | Mahesh Dadoda | None | None | Semsettin Yesilyurt 06/24/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP134428 | 06/19/2025 | 06/20/2025 | John Carlone | None | None | Mahesh Dadoda 06/23/2025 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP133953 = 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 | VP134429 | 06/19/2025 | 06/19/2025 | John Carlone | None | None | Mahesh Dadoda 06/23/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP134430 | 06/19/2025 | 06/19/2025 | John Carlone | None | None | Mahesh Dadoda 06/23/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# 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 | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 02/27/2026 | 02/27/2025 / SAM | 04/12/2023 / SAM | V13706 |

| 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 | 12/12/2025 | 12/12/2024 / SAM | 04/15/2024 / SAM | V14290 |

| 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 | 09/30/2025 | 05/12/2025 / SAM | 08/15/2024 / SAM | V14432 |

| 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 | 09/20/2025 | 03/20/2025 / SAM | 08/15/2024 / SAM | V14435 |

| 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 | 11/12/2025 | 05/12/2025 / SAM | 09/17/2024 / SAM | V14503 |

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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. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 11/12/2025 | 05/12/2025 / SAM | 09/17/2024 / SAM | V14504 |

| 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) | 091724 | 11/12/2025 | 05/12/2025 / SAM | 09/18/2024 / SAM | V14525 |

| 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) | 091724 | 11/12/2025 | 05/12/2025 / SAM | 09/18/2024 / SAM | V14526 |

| 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 | 08/27/2025 | 02/27/2025 / SAM | 11/26/2024 / SAM | V14613 |

| 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 | 10/25/2025 | 05/09/2025 / SAM | 11/26/2024 / SAM | V14620 |

| 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) | 23I0762004 | 11/09/2025 | 05/09/2025 / SAM | 11/26/2024 / SAM | V14626 |

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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 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14636 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14637 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14638 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14639 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14668 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14671 |

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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 | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14673 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14675 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14711 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14717 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14718 |

| 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 | A02110618 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14721 |

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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 | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0216826 | 11/13/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14749 |

| 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 | A0216826 | 11/12/2025 | 05/12/2025 / SAM | 12/17/2024 / SAM | V14750 |

| 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 | A0220471 | 11/12/2025 | 05/12/2025 / SAM | 01/08/2025 / SAM | V14811 |

| 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 | A0220471 | 06/30/2026 | 05/12/2025 / SAM | 01/08/2025 / SAM | V14812 |

| 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 | A0217535 | 11/12/2025 | 05/12/2025 / SAM | 01/21/2025 / SAM | V14843 |

| 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) | 24G0262002 | 11/12/2025 | 05/12/2025 / SAM | 05/09/2025 / SAM | V14921 |

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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) | 24G0262002 | 12/06/2025 | 06/06/2025 / SAM | 05/09/2025 / SAM | V14929 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14944 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14945 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14946 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 051925 | 06/19/2025 | 05/22/2025 / SAM | 05/21/2025 / SAM | V14947 |

| 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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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 | 0.5 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.01 |
| 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

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

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

**Absolute Standards, Inc.**
800-368-1131
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**Certified Reference Material CRM**

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

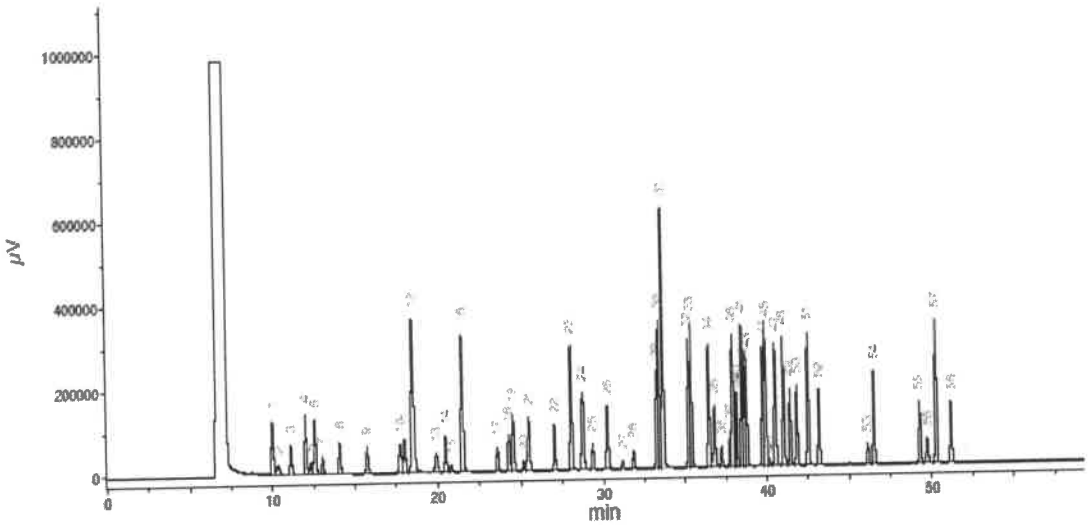
| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (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) | MKCR6561 | 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 | (0466) | 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 | (0381) | 06128PX | 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) | MKBW6137V | 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 | 20.8 | 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 | 40017.6 | 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 (45mg/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 | 1999.8 | 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 | 1999.8 | 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 8040mg/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 | 40000.8 | 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 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).

## 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-1,2,3-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 | 18.49 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 18.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.48 |
| 17 | Trichloroethene | 23.86 |
| 18 | 1,2-Dichloropropane | 24.26 |
| 19 | Methyl methacrylate | 24.62 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.09 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.34 |
| 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 | 33.85 |
| 32 | o-Xylene | 35.33 |
| 33 | Styrene | 35.50 |
| 34 | Isopropylbenzene/Bromoform | 35.48 |
| 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 | 37.92 |
| 39 | trans-1,4-Dichloro-2-butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.50 |
| 42 | 2-Chlorotoluene | 38.62 |
| 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 | 41.63 |
| 51 | n-Butylbenzene | 42.02 |
| 52 | 1,2-Dichlorobenzene | 42.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 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. | 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)**

| | | | |
|---|---|---|---|
| **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)) | | | |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | % (optional) > 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. |
| Storage Conditions | Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

| | | | |
|---|---|---|---|
| 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 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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

| | | | |
|---|---|---|---|
| Weight(s) shown below were combined and diluted to (mL): | 100.0 | 0.021 | Flask Uncertainty |
| | | 5E-05 | Balance Uncertainty |

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

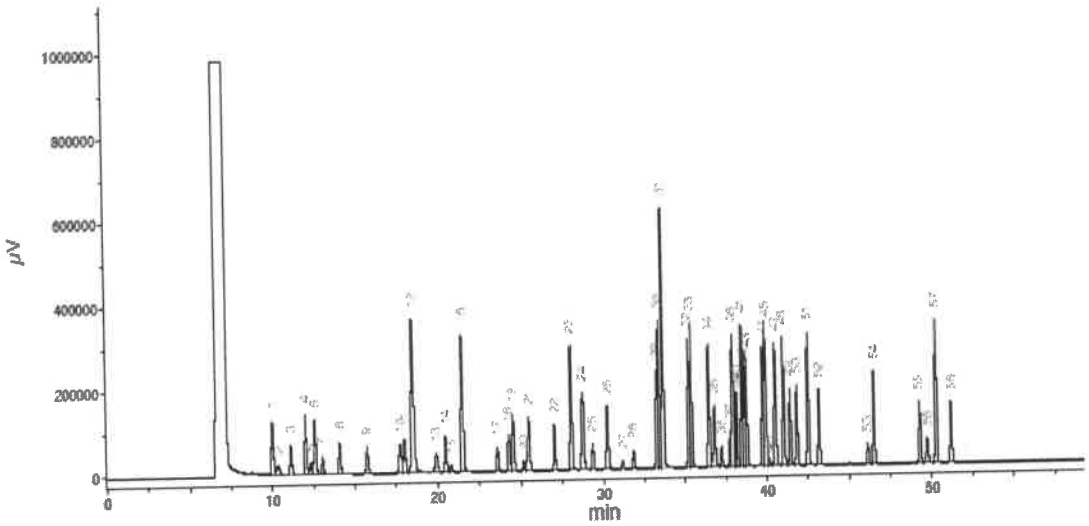
| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (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) | MKCR6561 | 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 | (0466) | 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 | (0381) | 06128PX | 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) | MKBW6137V | 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 | 20.8 | 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 | 40017.6 | 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 (45mg/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 | 1999.8 | 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 | 1999.8 | 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 8040mg/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 | 40000.8 | 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 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).

## 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-1,2,3-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 | 18.49 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 18.91 |
| 14 | 1,1-Dichloropropene | 19.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.48 |
| 17 | Trichloroethene | 23.86 |
| 18 | 1,2-Dichloropropane | 24.26 |
| 19 | Methyl methacrylate | 24.62 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.07 |
| 23 | Toluene | 28.09 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.34 |
| 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 | 33.85 |
| 32 | o-Xylene | 35.33 |
| 33 | Styrene | 35.50 |
| 34 | Isopropylbenzene/Bromoform | 35.48 |
| 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 | 37.92 |
| 39 | trans-1,4-Dichloro-2-butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.50 |
| 42 | 2-Chlorotoluene | 38.62 |
| 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 | 41.63 |
| 51 | n-Butylbenzene | 42.82 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 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. | 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)**

| | | | |
|---|---|---|---|
| **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)) | | | |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | % (optional) > 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. |
| Storage Conditions | Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

**Absolute Standards Inc.**

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

| | | | |
|---|---|---|---|
| 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 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 091424 |
| Description: | Acrolein |
| Expiration Date: | 101424 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

Weight(s) shown below were combined and diluted to (mL): 10.0

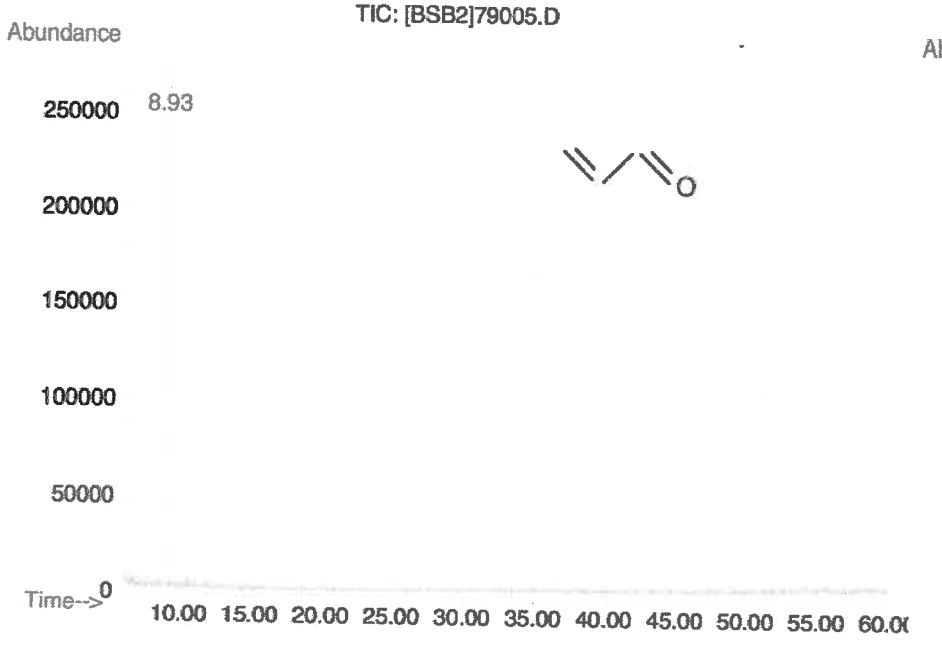
| Solvent(s): | Lot# |
|---|---|
| Water | 072324Q |

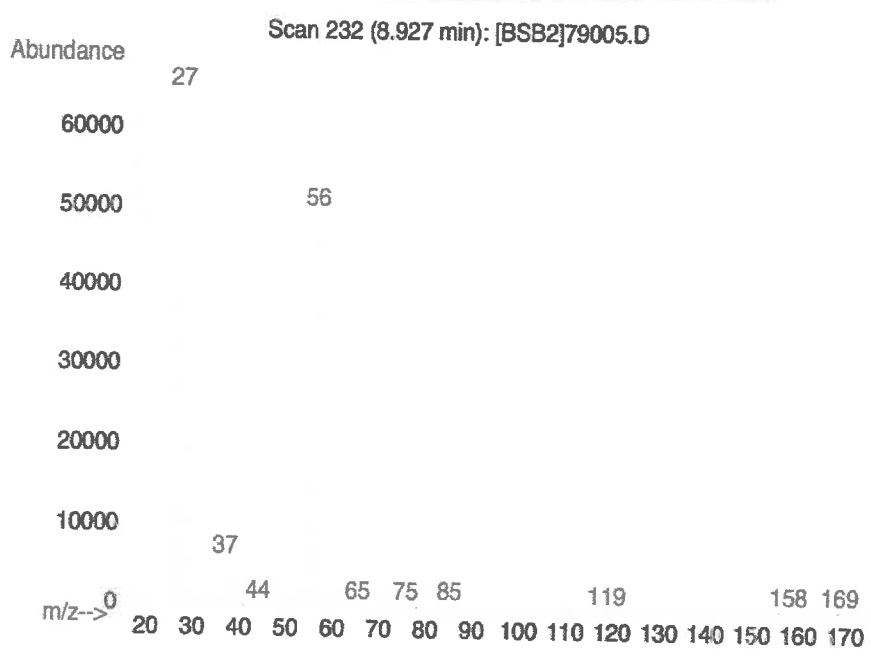
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Justin Dippold | 091424 DATE |
| Reviewed By: | Pedro L. Rentas | 091424 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 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.




- 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 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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**Certified Reference Material CRM**

Rec 09/16/24 2 Vials

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## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

**Solvent(s):** **Lot#**
Water 072324Q

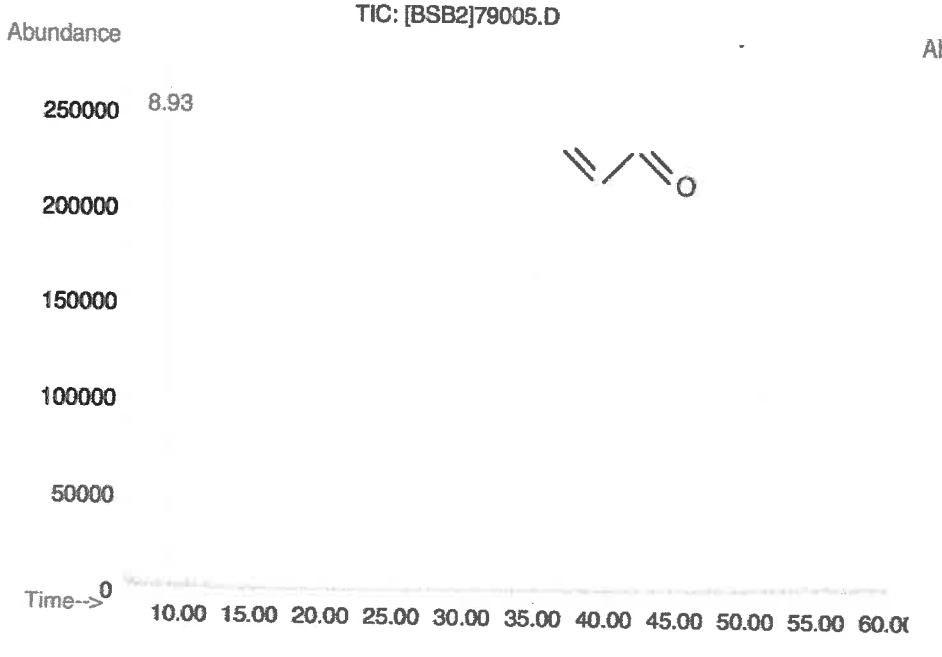
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

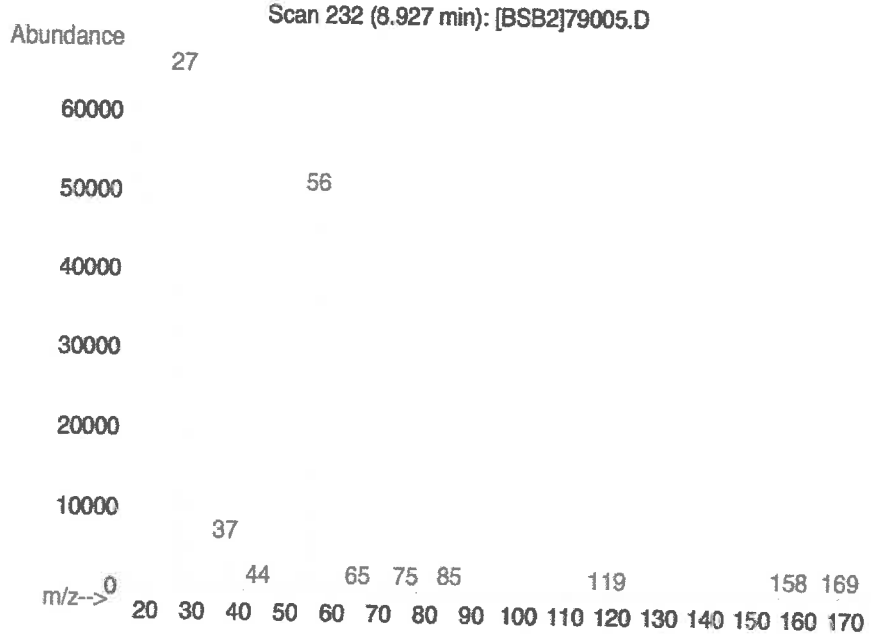
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 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.




- 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 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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***Certified Reference Material CRM***

Rec 12/6/24
20 vial
V14630 to
V14649

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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

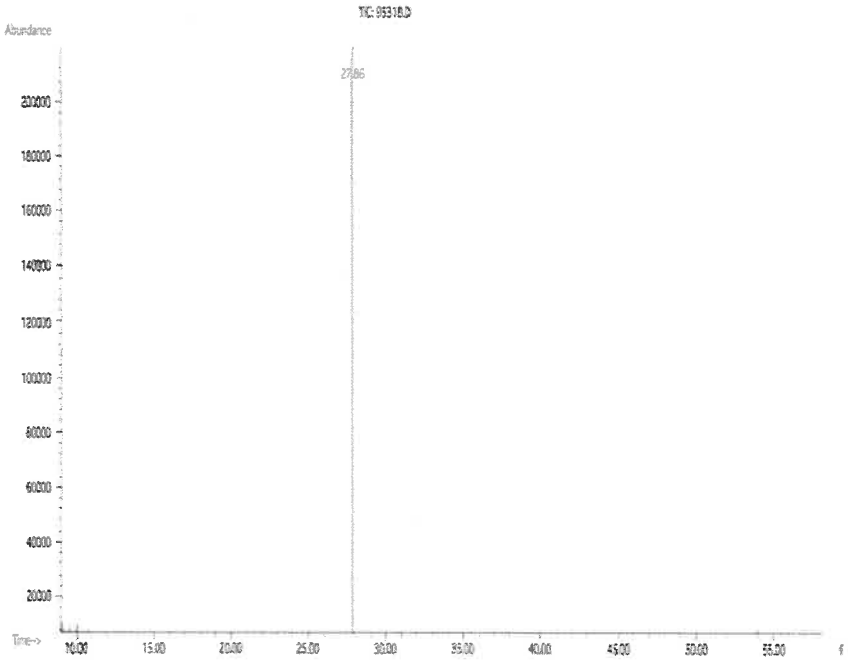
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

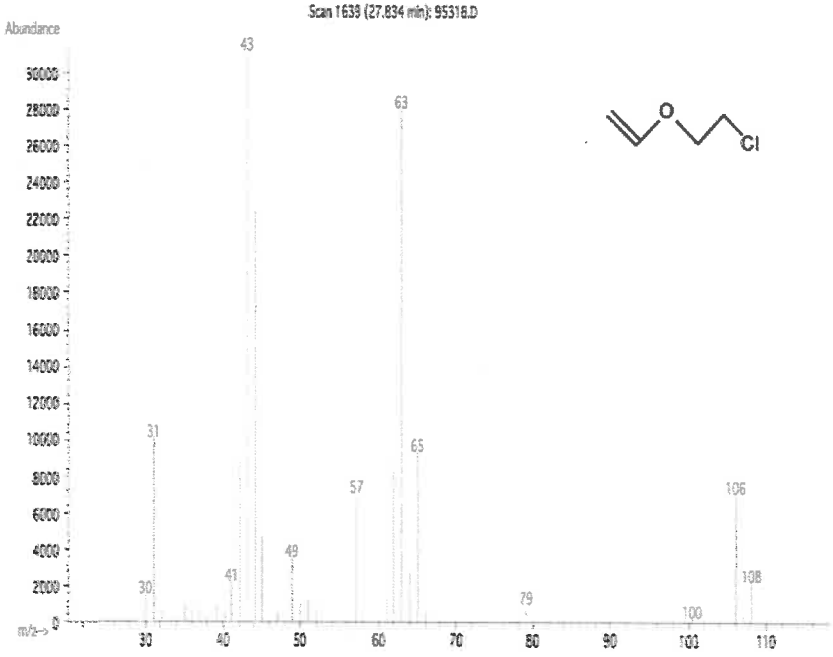
Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE

Pedro Rentas 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.
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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.

**Absolute Standards, Inc.**
800-368-1131
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***Certified Reference Material CRM***

Rec 12/6/24
20 vial
V14630 to
V14649

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

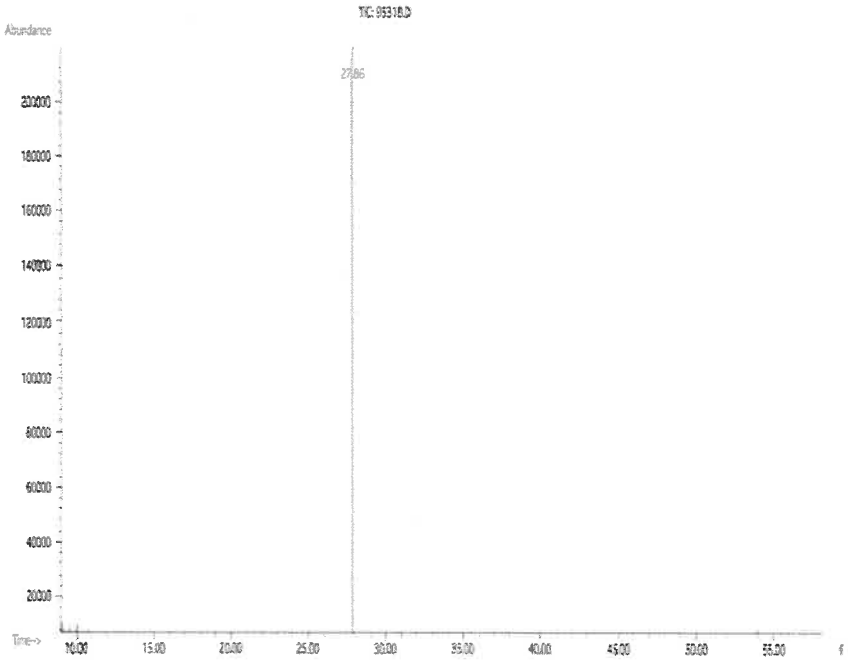
**Solvent(s):** Methanol **Lot#** EJ143-US

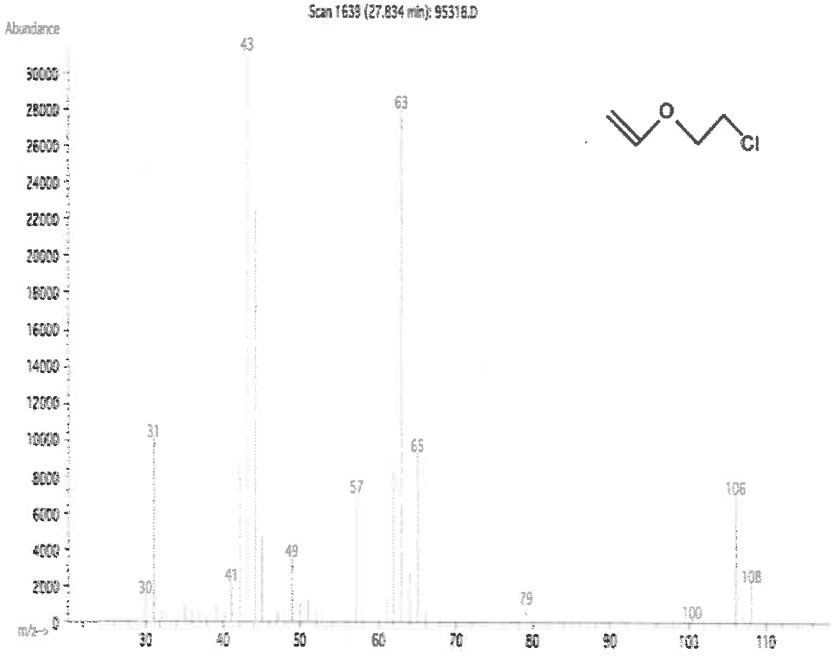
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 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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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

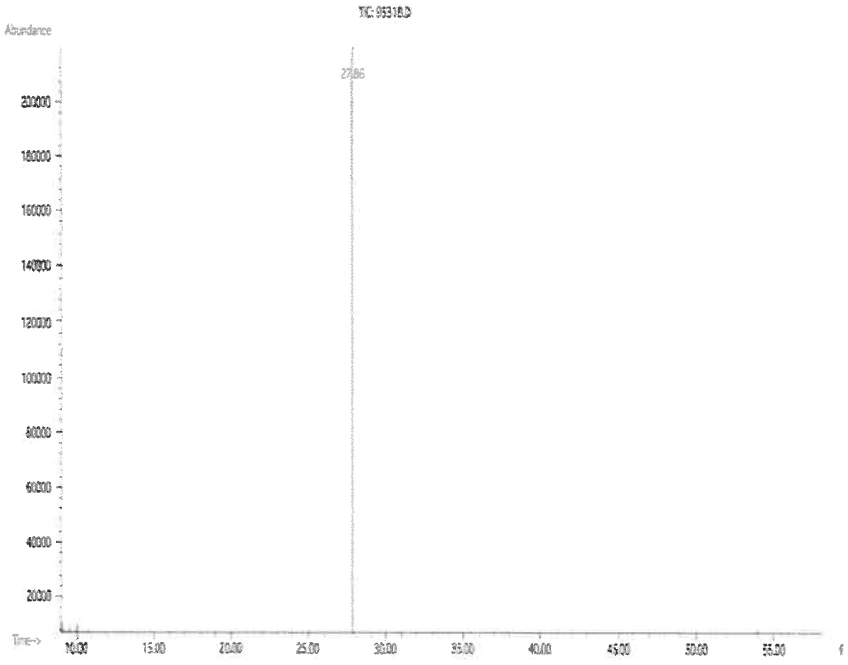
**Solvent(s):** Methanol **Lot#** EJ143-US

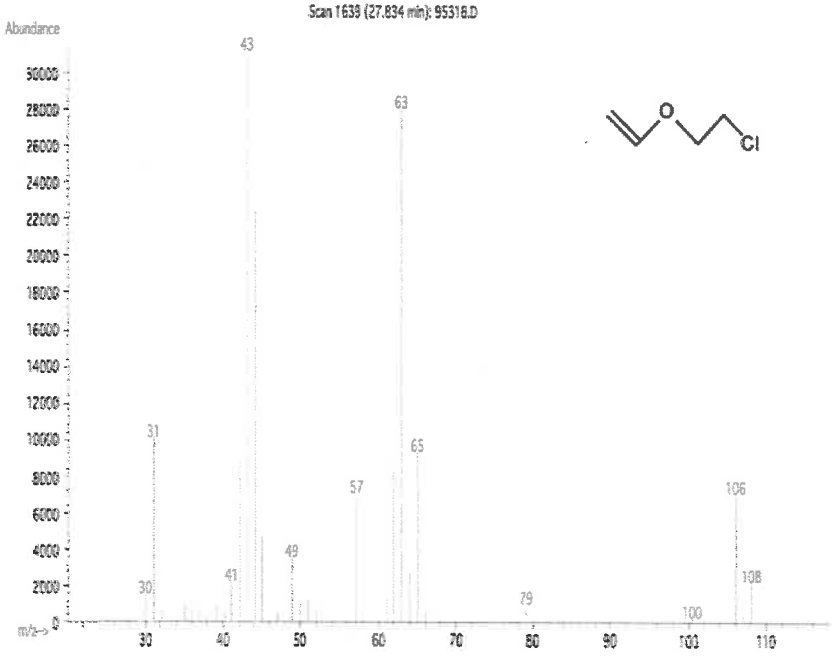
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | |
|---|---|---|
| Prashant Chauhan | | 120524 |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | | 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

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| | | | |
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| 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

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## *Certified Reference Material CRM*

Rec 12/6/24
20 vial
V14630 to
V14649

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

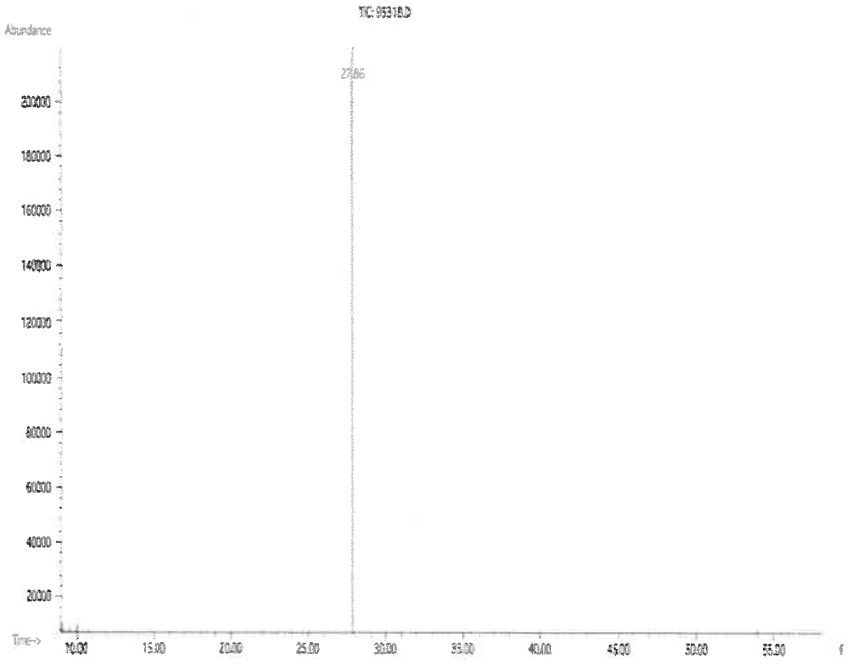
**Solvent(s):** Methanol **Lot#** EJ143-US

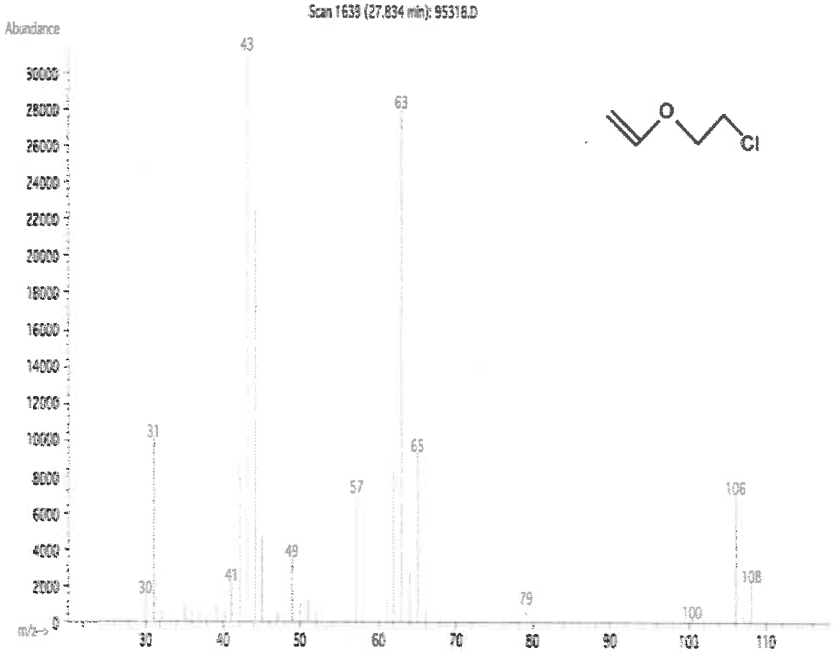
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| | | |
|---|---|---|
| Prashant Chauhan | 120524 | |
| Formulated By: | Prashant Chauhan | DATE |
| Pedro Rentas | 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.
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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# 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. :** 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.)

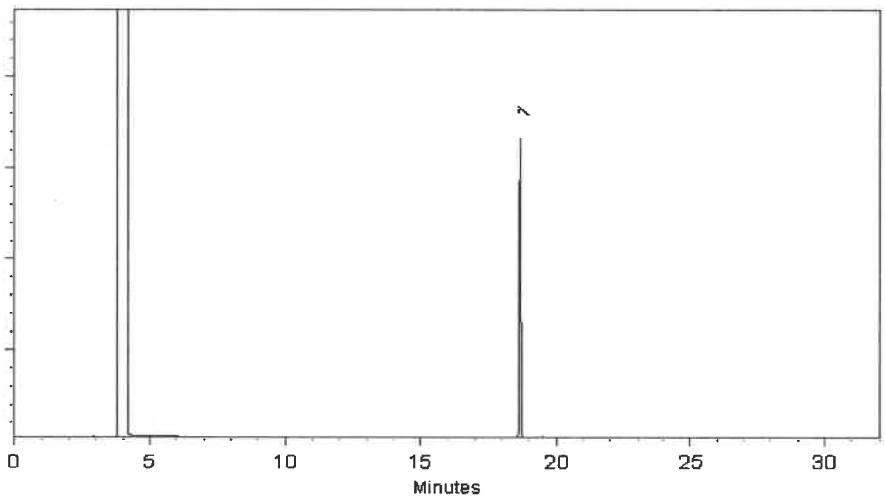
**Inj. Temp:**
200°C

**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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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ACCREDITED
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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. :** 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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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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. :** 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.)

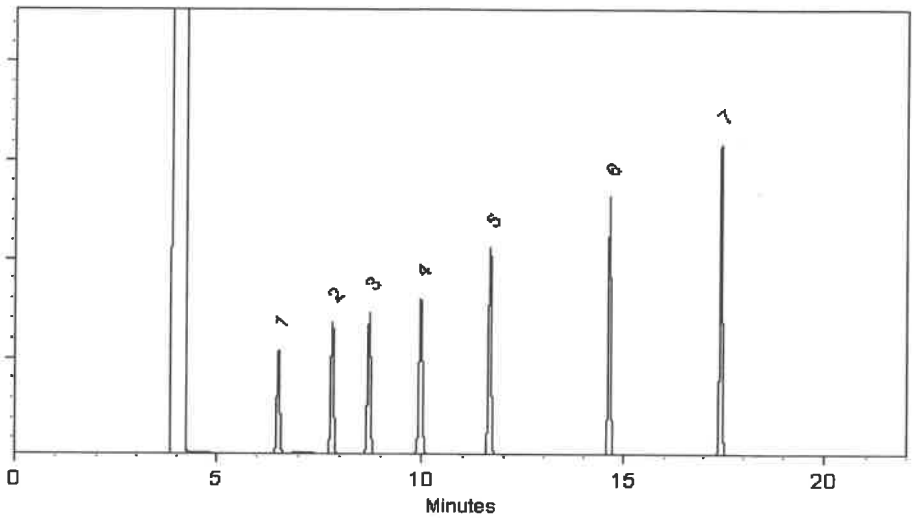
**Inj. Temp:**
200°C

**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:

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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:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**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 |
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| 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 |
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| 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:**

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**Column:**
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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.)

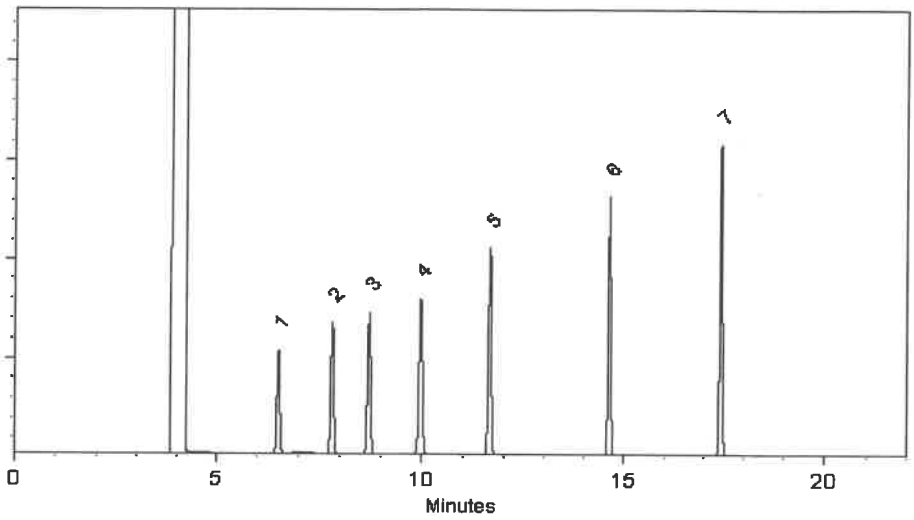
**Inj. Temp:**
200°C

**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:

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## Purity 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:

- 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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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**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

REVIEWED

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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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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

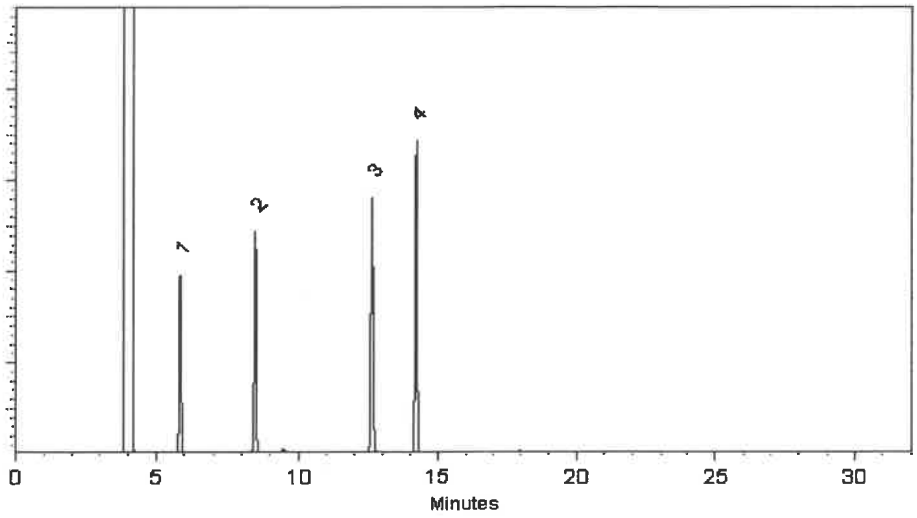
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

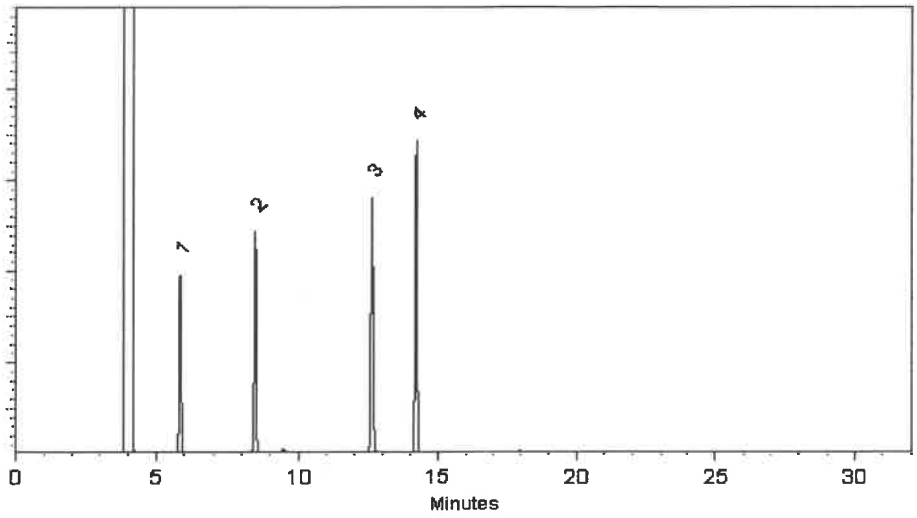
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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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.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

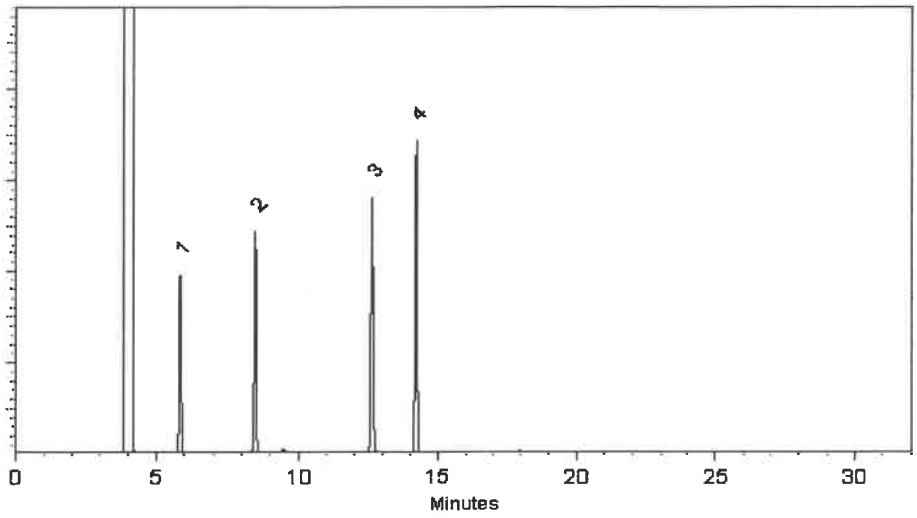
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-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:

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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:

- 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.

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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. :** 30006 **Lot No.:** A0210618

**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 :** July 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 | Acetone | 67-64-1 | SHBQ8504 | 99% | 5,014.8 µg/mL | +/- 173.2883 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBQ4704 | 99% | 5,012.4 µg/mL | +/- 173.2054 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99% | 5,011.6 µg/mL | +/- 173.1777 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,013.0 µg/mL | +/- 173.2261 |

* 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.)

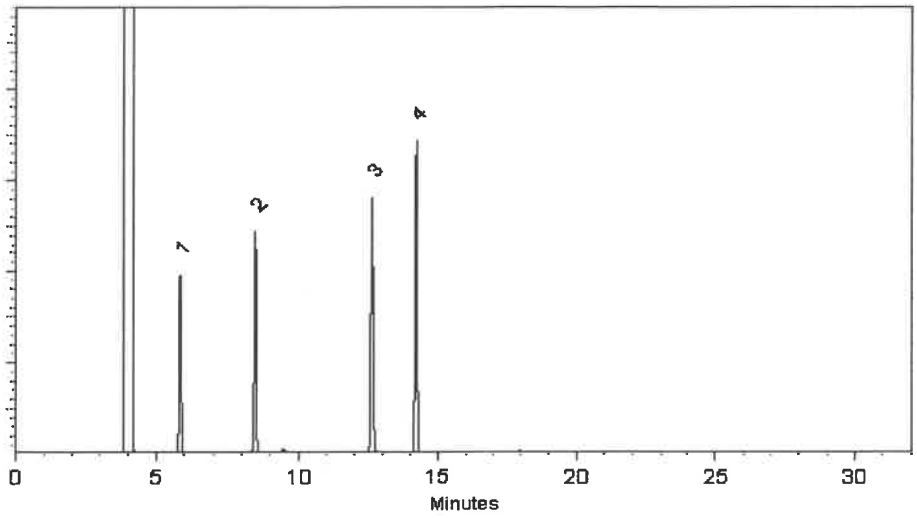
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




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.

Dakota Parson - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-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.
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- 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:

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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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Reference Material Producer
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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

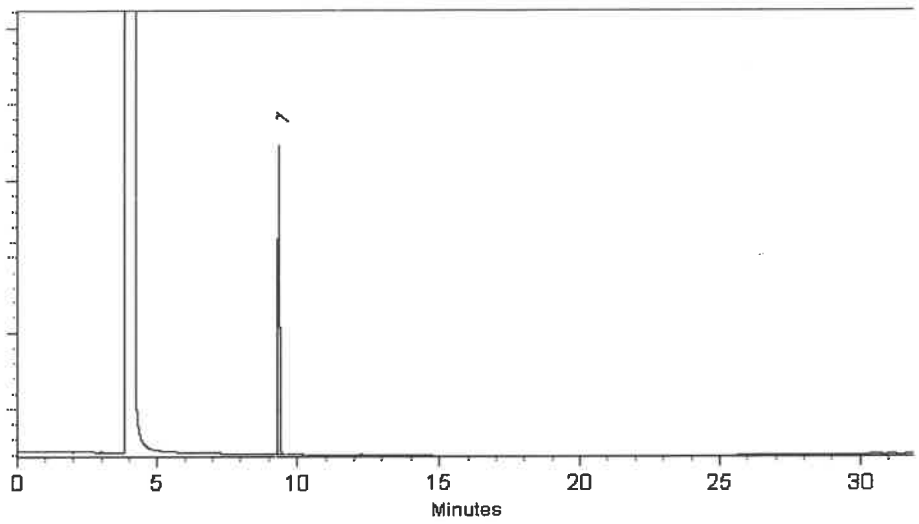
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

Rec: 12/09/24

# Certificate of Analysis

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V14667 to
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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

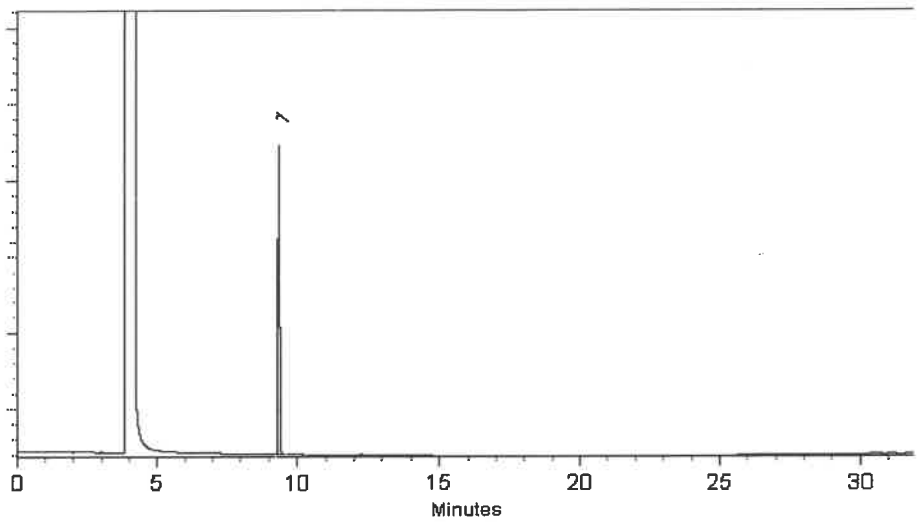
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

Exp: 12/09/24

# 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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

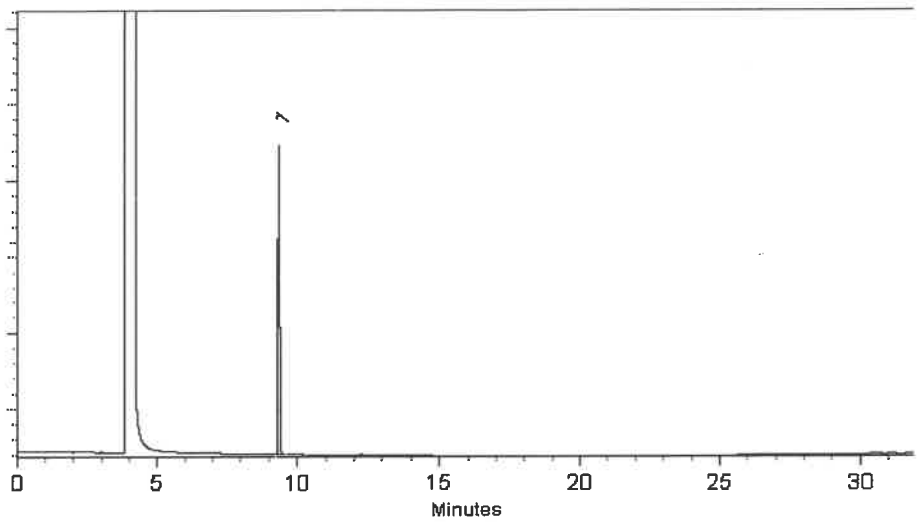
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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10 vial.

# CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

# Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

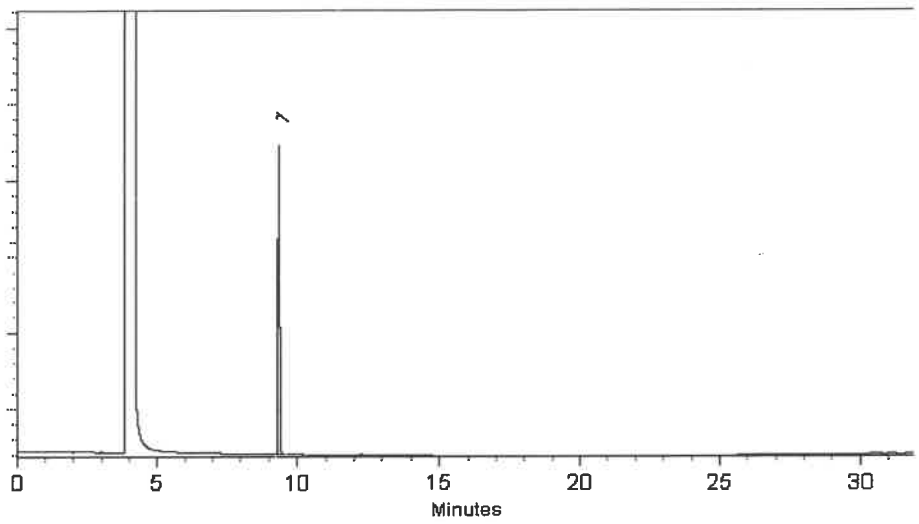
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

# Certificate of Analysis

***chromatographic plus***

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
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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. :** 30042 **Lot No.:** A0216826

**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 :** May 31, 2031 **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 | 00022922 | 99% | 2,000.9 µg/mL | +/- 112.4144 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | 00022694 | 99% | 2,000.7 µg/mL | +/- 112.3998 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,000.3 µg/mL | +/- 112.3779 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 00017022 | 99% | 2,001.8 µg/mL | +/- 112.4650 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,000.1 µg/mL | +/- 112.3700 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCJ8658 | 99% | 2,000.7 µg/mL | +/- 112.3992 |

* 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.

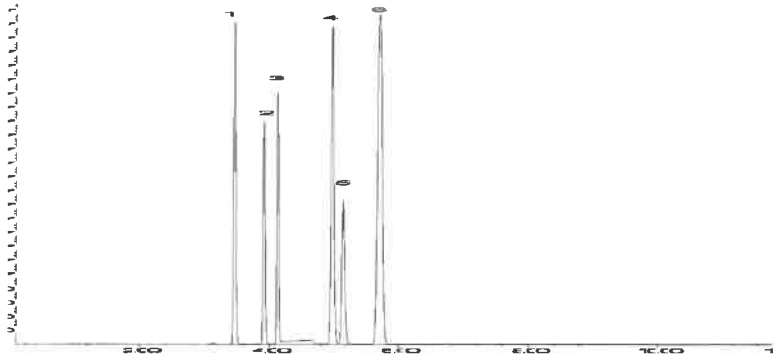
**Inj. Temp:**
200°C

**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:** 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 04-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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CERTIFIED REFERENCE MATERIAL

30 Vial

# Certificate of Analysis

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V14727 to
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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.:** A0216826

**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 :** May 31, 2031 **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 | 00022922 | 99% | 2,000.9 µg/mL | +/- 112.4144 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | 00022694 | 99% | 2,000.7 µg/mL | +/- 112.3998 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,000.3 µg/mL | +/- 112.3779 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 00017022 | 99% | 2,001.8 µg/mL | +/- 112.4650 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,000.1 µg/mL | +/- 112.3700 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCJ8658 | 99% | 2,000.7 µg/mL | +/- 112.3992 |

* 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.

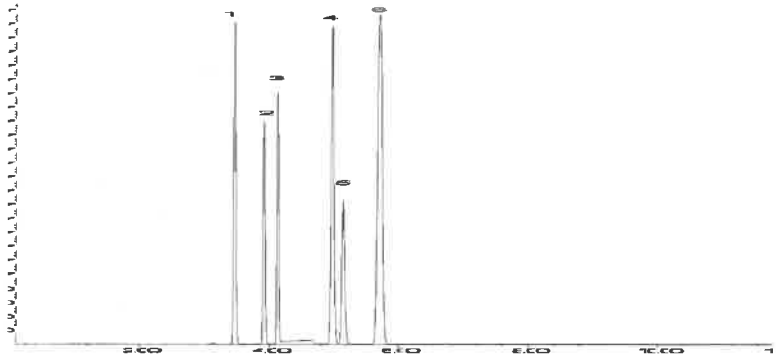
**Inj. Temp:**
200°C

**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:** 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 04-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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.

RESTEK
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

J 148421 to 148546

**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.:** A0217535

**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 :** October 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 | tert-Butanol (TBA) | 75-65-0 | SHBQ8002-1 | 99% | 50,007.5 µg/mL | +/- 717.6137 |

* 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.)

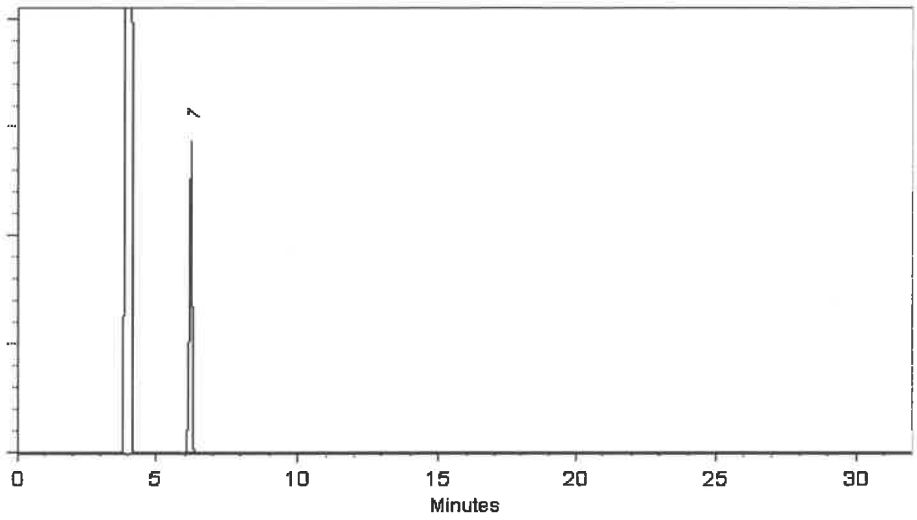
**Inj. Temp:**
200°C

**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.

Aaron Enyart - Operations Tech I

**Date Mixed:** 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

**Date Passed:** 09-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Vinyl Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic*

V14803 - V14822

**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.:** A0220471

**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, 2026 **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 | RD240423RSR | 99% | 8,066.0 µg/mL | +/- 278.7979 |

* 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.)

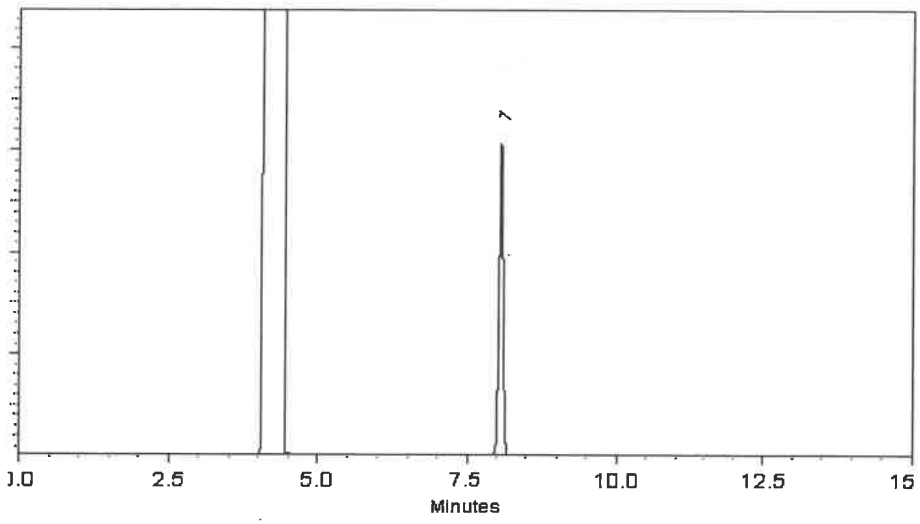
**Inj. Temp:**
200°C

**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.

Ethan Winiarski - Operations Tech I

**Date Mixed:** 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

**Date Passed:** 02-Jan-2025

REVIEWED

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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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic*

V14803 - V14822

**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.:** A0220471

**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, 2026 **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 | RD240423RSR | 99% | 8,066.0 µg/mL | +/- 278.7979 |

* 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.)

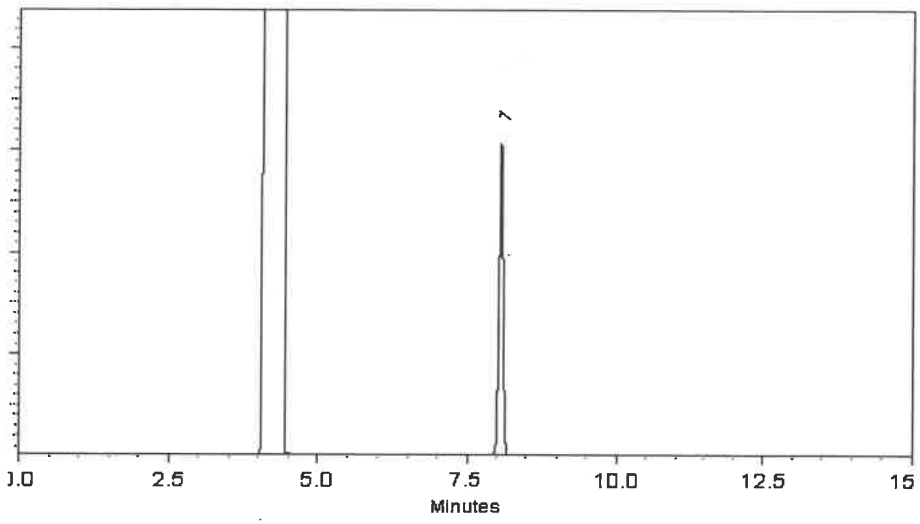
**Inj. Temp:**
200°C

**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.

Ethan Winiarski - Operations Tech I

**Date Mixed:** 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

**Date Passed:** 02-Jan-2025

REVIEWED

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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  $k$ 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

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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 | 0.3 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.3 |
| 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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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 | 0.3 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.3 |
| 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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

## CERTIFIED WEIGHT REPORT

5.v19

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 051925 |
| Description: | Acrolein |
| Expiration Date: | 061925 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

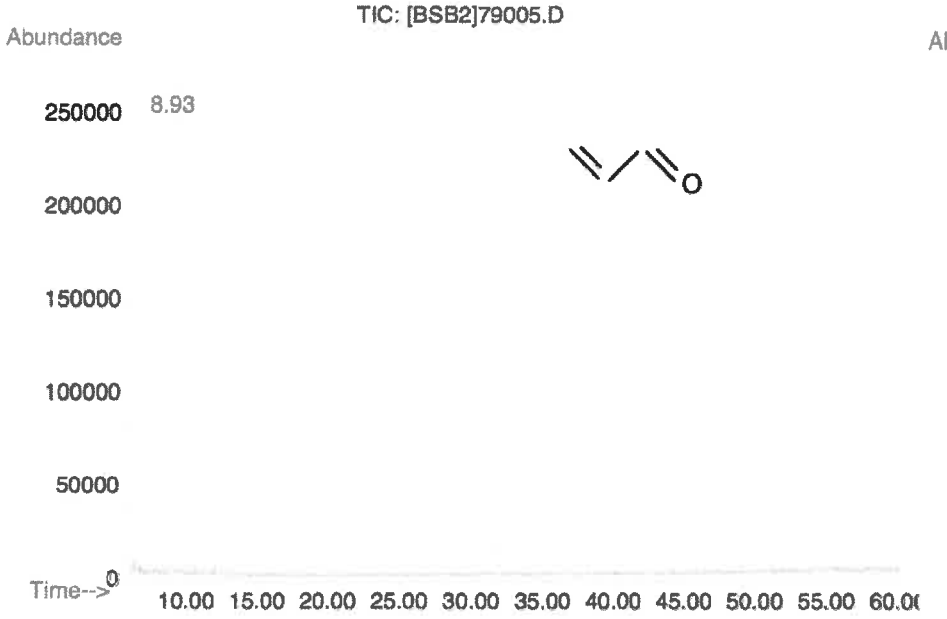
5E-05 Balance Uncertainty

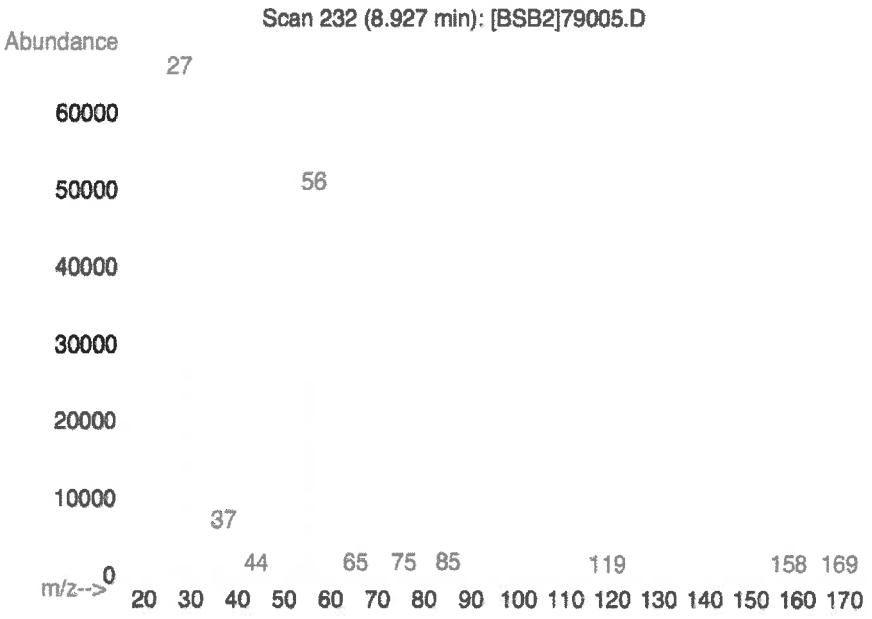
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| Formulated By: | Lawrence Barry | 051925 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 051925 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05170 | 5004.1 | 52.5 | 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.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 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).**

**Rev 1.0, 2/25/2025**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

## CERTIFIED WEIGHT REPORT

5.v19

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 051925 |
| Description: | Acrolein |
| Expiration Date: | 061925 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

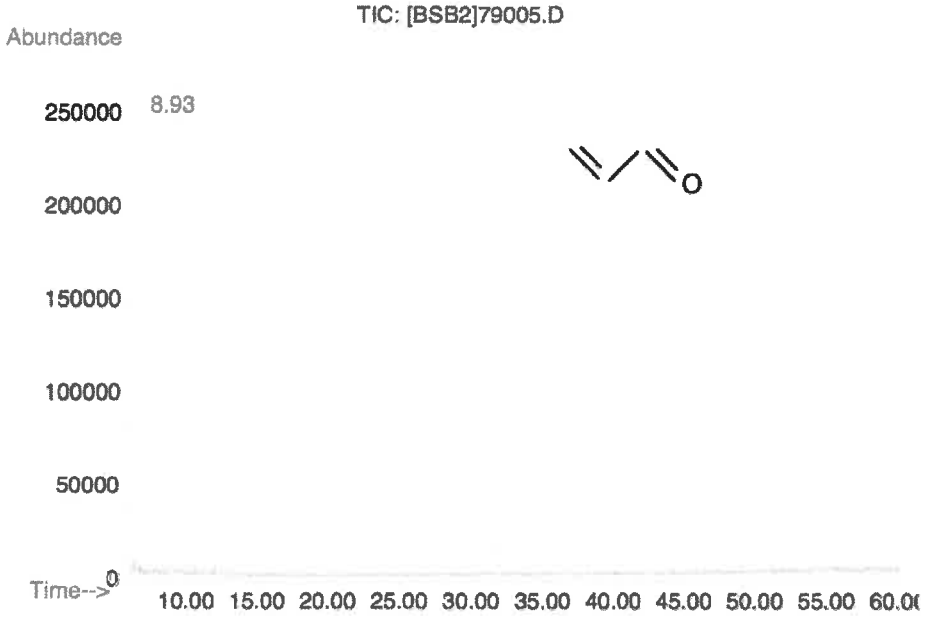
5E-05 Balance Uncertainty

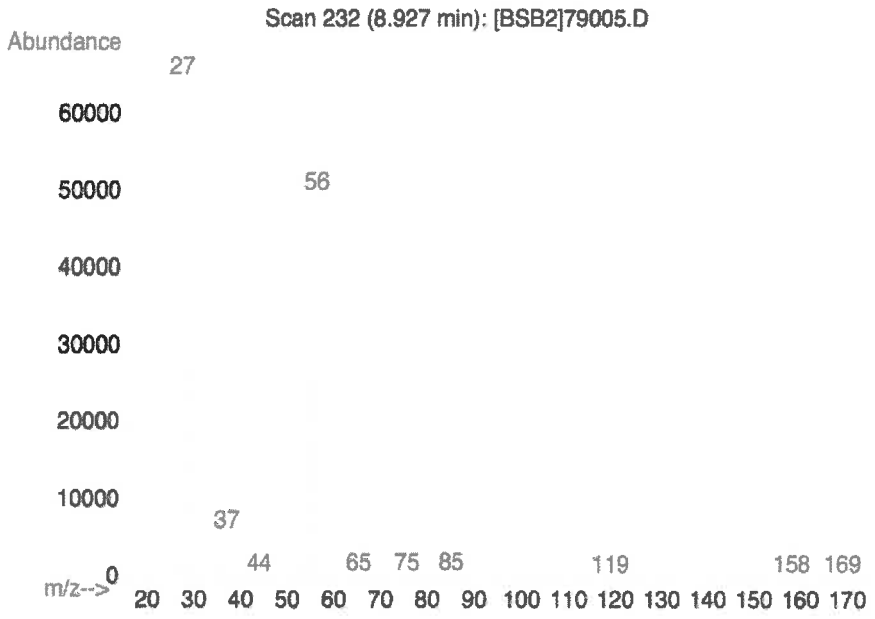
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| Formulated By: | Lawrence Barry | 051925 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 051925 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05170 | 5004.1 | 52.5 | 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.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 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).**
  **Rev 1.0, 2/25/2025**

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www.absolutestandards.com

**Certified Reference Material CRM**

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

## CERTIFIED WEIGHT REPORT

5.v19

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 051925 |
| Description: | Acrolein |
| Expiration Date: | 061925 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

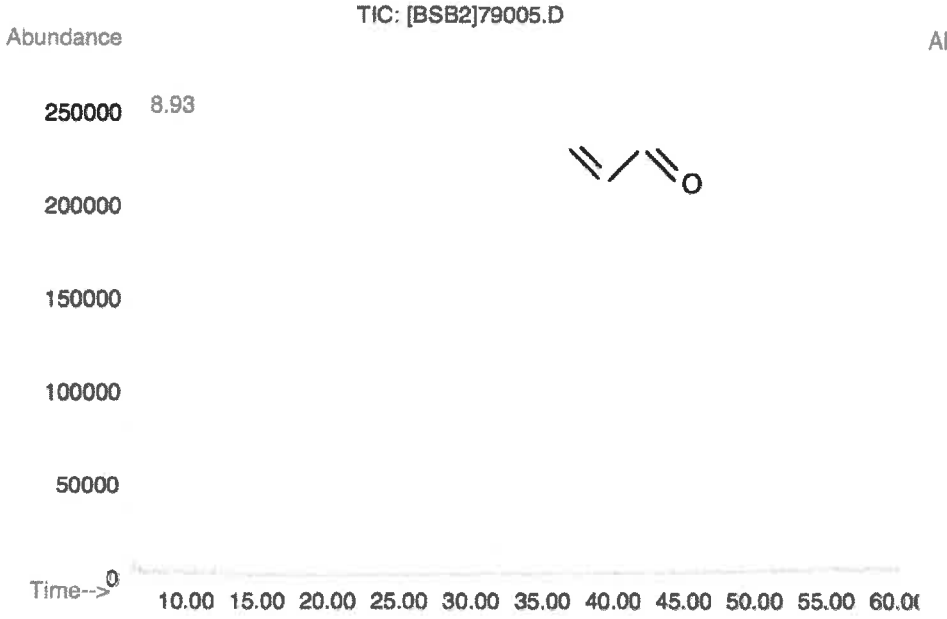
5E-05 Balance Uncertainty

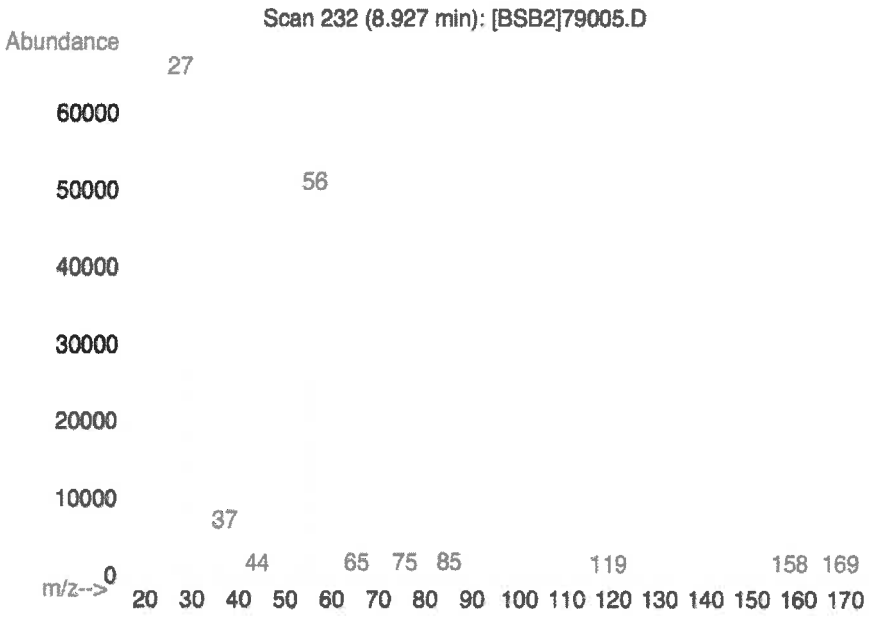
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| Formulated By: | Lawrence Barry | 051925 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 051925 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05170 | 5004.1 | 52.5 | 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.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 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).**
  **Rev 1.0, 2/25/2025**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

## CERTIFIED WEIGHT REPORT

5.0 mg

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 051925 |
| Description: | Acrolein |
| Expiration Date: | 061925 |
| Recommended Storage: | Refrigerate (4 °C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

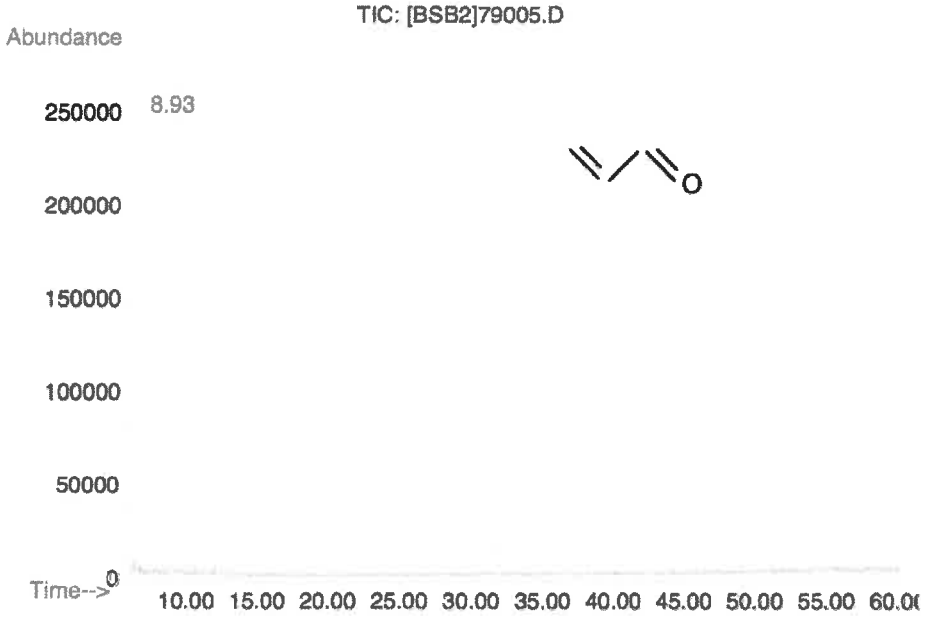
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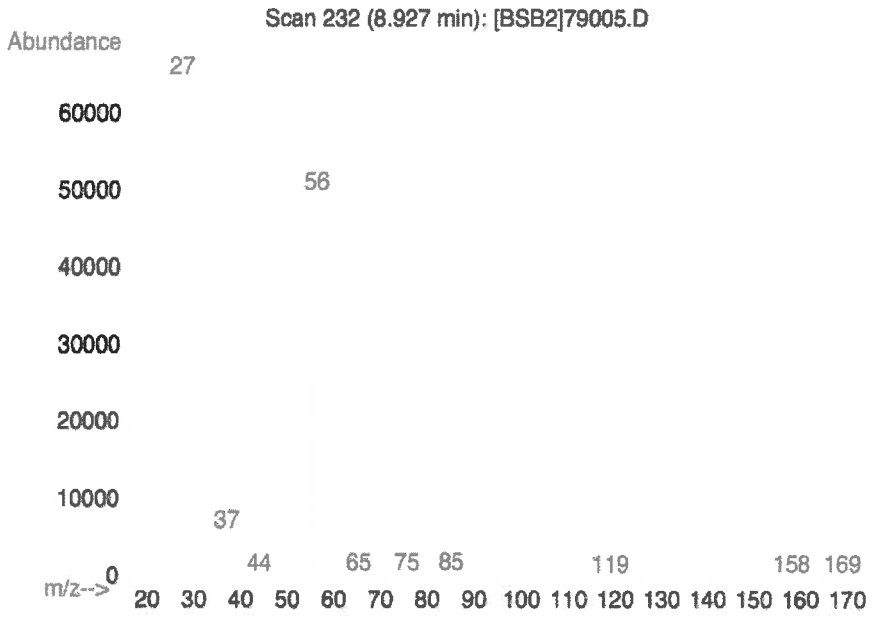
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
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  Rev 1.0, 2/25/2025

# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2345/46
COC Number 2046497

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivadon
PHONE: FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 6073872 LOCATION: Bethpage
PROJECT MANAGER: Eleanor Vivadon
e-mail: Eleanor.Vivadon@aecom.com
PHONE: FAX:

## CLIENT BILLING INFORMATION

BILL TO: Eleanor V. PO#:
ADDRESS: 27 Ellis place
CITY OSSINING STATE: NY ZIP: 10562
ATTENTION: PHONE:

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## 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
- ☐ US EPA CLP
- ☐ EDD FORMAT

## ANALYSIS

1: VOCS 8260 2: 1,4 dioxane 8270 SIM 3: 1,4 dioxane 522 4 5 6 7 8 9

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 (A) | 2 (F) | 3 (F) | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | EBOR-20250616 | Aq | | X | 06/16 | 0800 | 3 | 2 | 1 | | | | | | | | equipment blank |
| 2. | TB03-20250616 | Aq | | X | | 1215 | 2 | 2 | | | | | | | | | trip blank |
| 3. | BPOW6-1-20250616 | GW | | X | | 0930 | 4 | 2 | | 2 | | | | | | | |
| 4. | BPOW6-2-20250616 | GW | | X | | 0930 | 4 | 2 | | 2 | | | | | | | |
| 5. | DUP05-20250616 | GW | | X | | 1025 | 4 | 2 | | 2 | | | | | | | duplicate |
| 6. | BPOW6-3-20250616 | GW | | X | | 1045 | 4 | 2 | | 2 | | | | | | | |
| 7. | BPOW6-5-20250616 | GW | | X | | 1000 | 12 VA | 6 2 | | 2 6 | | | | | | | MS/MSD |
| 8. | BPOW6-6-20250616 | GW | | X | | 1010 | 4 | 2 | | 2 | | | | | | | |
| 9. | BPOW6-10-20250616 | GW | | X | | 1205 | 4 | 2 | | 2 | | | | | | | |
| 10. | BPOW6-9-20250616 | GW | | X | | 1215 | 4 | 2 | | 2 | | | | | | | |

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME | | |
|---|---|---|---|
| RELINQUISHED BY SAMPLER: 1. Mano Achok | 6-17-25 1200 | RECEIVED BY: 1. | 6-17-25 1200 |
| RELINQUISHED BY SAMPLER: 2. | DATE/TIME: | RECEIVED BY: 2. | |
| RELINQUISHED BY SAMPLER: 3. | DATE/TIME: 6-17-25 1608 | RECEIVED BY: 3. | |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.0 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2345/46
COC Number 2045857

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Resolution Consultants
ADDRESS:
CITY STATE: ZIP:
ATTENTION: Eleanor Vivedon
PHONE: FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: Bethpage
PROJECT MANAGER: Eleanor Vivedon
e-mail: Eleanor.Vivedon@aecom.com
PHONE: FAX:

## CLIENT BILLING INFORMATION

BILL TO: Eleanor V. PO#:
ADDRESS: 27 Ellis place
CITY Ossining STATE: NY ZIP: 10562
ATTENTION: PHONE:

## DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## 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
☐ EDD FORMAT

## ANALYSIS

1: VOCs 8260
2: 1,4 dioxane 8270SIM
3: 1,4 dioxane 522
4
5
6
7
8
9

| ALLIANCE 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 | F | F | | | | | | | ← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER |
| 1. | TT189D2-20250617 | GW | | X | 06/17 | 0930 | 3 | 2 | 1 | | | | | | | | |
| 2. | TT150S1-20250617 | GW | | X | 06/17 | 0925 | 3 | 2 | 1 | | | | | | | | |
| 3. | RW8-MW01D1-20250617 | GW | | X | 06/17 | 1015 | 3 | 2 | 1 | | | | | | | | |
| 4. | TT192D2-20250617 | GW | | X | 06/17 | 1018 | 3 | 2 | 1 | | | | | | | | |
| 5. | BPOW6-4-20250616 | GW | | X | 06/16 | 1100 | 4 | 2 | | 2 | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Momo Aarde | 6-17-25 1200 | 1. 6.17.25 1200 |
| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
| 2. | | 2. |
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1608 6-17-25 | RECEIVED BY: |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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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 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2345 AECO15
**Client Name :** AECOM Technical Service
**Client Contact :** Eleanor Vivadou
**Invoice Name :** AECOM Technical Service
**Invoice Contact :** Eleanor Vivadou

**Order Date :** 6/17/2025 12:40:00 PM
**Project Name :** NAVFAC NWIRP Bethpag
**Receive DateTime :** 6/17/2025 ~~12:00:00 AM~~ 16:08 M
**Purchase Order :**

**Project Mgr :**
**Report Type :** ~~Results Only~~ NYS ASP B
**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 |
|---|---|---|---|---|---|---|---|---|---|
| Q2345-01 | EB02-20250616 | Water | 06/16/2025 | 08:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-02 | TB03-20250616 | Water | 06/16/2025 | 12:15 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-03 | BPOW6-1-20250616 | Water | 06/16/2025 | 09:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-04 | BPOW6-2-20250616 | Water | 06/16/2025 | 09:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-05 | DUP05-20250616 | Water | 06/16/2025 | 10:25 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-06 | BPOW6-3-20250616 | Water | 06/16/2025 | 10:45 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-07 | BPOW6-5-20250616 | Water | 06/16/2025 | 10:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-08 | Q2345-07MS | Water | 06/16/2025 | 10:00 | | | | | |

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

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**Project Mgr :**
**Report Type :** ~~Results Only~~ NYS ASP B
**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 | |
| Q2345-09 | Q2345-07MSD | Water | 06/16/2025 | 10:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-10 | BPOW6-6-20250616 | Water | 06/16/2025 | 10:10 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-11 | BPOW6-10-20250616 | Water | 06/16/2025 | 12:05 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-12 | BPOW6-9-20250616 | Water | 06/16/2025 | 12:15 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-13 | TT189D2-~~2050617~~ 20250617 dd | Water | 06/17/2025 | 09:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-14 | TT150S1-~~2050617~~ 20250617 dd | Water | 06/17/2025 | 09:25 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 10 Bus. Days | |
| Q2345-15 | RW8-MW01D1-20250617 | Water | 06/17/2025 | 10:15 | | | | | |
| | | | | | 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

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**Purchase Order :**

**Project Mgr :**
**Report Type :** ~~Results Only~~ NYS ASP B
**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 |
|---|---|---|---|---|---|---|---|---|---|
| Q2345-16 | TT192D2-~~2050617~~ 20250617 | Water | 06/~~17~~2025 17 dl | 10:18 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2345-17 | BPOW6-4-20250616 | Water | 06/~~17~~2025 16 dl | 11:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |

**Relinguished By :**
**Date / Time :** 6/18/25 9:30

**Received By :**
**Date / Time :** 6/18/25 9:30 RgH4

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 130530 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 217019 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195782 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 100990 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 10456 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 11.580%# | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 7865 | 5.478 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.960%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 29120 | 5.645 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 11.280%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 11137 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 11.580%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 6051 | 4.342 | ug/l | | 99 |
| 3) Chloromethane | 1.307 | 50 | 7066 | 4.698 | ug/l | | 90 |
| 4) Vinyl Chloride | 1.386 | 62 | 7425 | 4.629 | ug/l | | 99 |
| 5) Bromomethane | 1.617 | 94 | 4837 | 5.360 | ug/l | | 95 |
| 6) Chloroethane | 1.703 | 64 | 4575 | 4.706 | ug/l | | 92 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 11714 | 4.810 | ug/l | | 92 |
| 8) Diethyl Ether | 2.148 | 74 | 4038 | 4.831 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 7353 | 4.921 | ug/l | | 96 |
| 10) Methyl Iodide | 2.465 | 142 | 5830 | 7.181 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 3134 | 19.340 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 6884 | 4.775 | ug/l | | 91 |
| 13) Acrolein | 2.251 | 56 | 6208 | 26.301 | ug/l | | 100 |
| 14) Allyl chloride | 2.678 | 41 | 12195 | 4.668 | ug/l | | 99 |
| 15) Acrylonitrile | 3.081 | 53 | 17611 | 24.169 | ug/l | | 99 |
| 16) Acetone | 2.392 | 43 | 14275 | 23.710 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 19624 | 4.507 | ug/l | | 100 |
| 18) Methyl Acetate | 2.721 | 43 | 7530 | 4.924 | ug/l | | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 21254 | 4.734 | ug/l | | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 8556 | 5.110 | ug/l | | 97 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 7425 | 4.813 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.769 | 45 | 24580 | 4.895 | ug/l | # | 67 |
| 23) Vinyl Acetate | 3.739 | 43 | 92889 | 23.264 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 13761 | 4.827 | ug/l | | 99 |
| 25) 2-Butanone | 4.580 | 43 | 20821 | 24.452 | ug/l | | 97 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 10020 | 4.819 | ug/l | | 96 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 8891 | 4.906 | ug/l | | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 6884 | 5.326 | ug/l | # | 96 |
| 29) Tetrahydrofuran | 5.025 | 42 | 13402 | 24.367 | ug/l | | 99 |
| 30) Chloroform | 5.099 | 83 | 14385 | 5.046 | ug/l | | 86 |
| 31) Cyclohexane | 5.483 | 56 | 12835 | 4.748 | ug/l | | 94 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 12150 | 4.859 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 10359 | 4.998 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.733 | 43 | 8763 | 4.580 | ug/l | | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 11043 | 4.909 | ug/l | | 98 |
| 39) Methylcyclohexane | 7.391 | 83 | 13704 | 5.024 | ug/l | # | 87 |
| 40) Benzene | 6.050 | 78 | 31061 | 5.064 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.940 | 41 | 4488 | 4.400 | ug/l | # | 92 |
| 42) 1,2-Dichloroethane | 6.104 | 62 | 11029 | 5.116 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.348 | 43 | 14711 | 4.914 | ug/l | | 97 |
| 44) Trichloroethene | 7.135 | 130 | 7703 | 4.927 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 7529 | 4.952 | ug/l | | 97 |
| 46) Dibromomethane | 7.592 | 93 | 5267 | 4.821 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 11072 | 4.966 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.702 | 41 | 6864 | 4.571 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.671 | 88 | 1949 | 113.091 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 44282 | 24.800 | ug/l | | 97 |
| 52) Toluene | 8.720 | 92 | 19190 | 5.046 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 9497 | 4.591 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 11188 | 4.764 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 7151 | 5.046 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.122 | 69 | 10101 | 4.828 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 12483 | 5.115 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 26158 | 24.071 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 30938 | 25.062 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 8249 | 4.939 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 7221 | 5.009 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 6755 | 4.980 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 21807 | 5.046 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 7006 | 4.823 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 37295 | 4.939 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 27609 | 9.812 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 13421 | 5.090 | ug/l | | 97 |
| 70) Styrene | 10.659 | 104 | 22403 | 4.855 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 5248 | 4.744 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 36281 | 4.878 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 12496 | 4.434 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 10468 | 5.040 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 10741 | 5.236 | ug/l | | 90 |
| 77) Bromobenzene | 11.201 | 156 | 8694 | 4.857 | ug/l | | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 42848 | 4.850 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 26221 | 4.971 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 29167 | 4.772 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 2663 | 4.070 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 30097 | 4.889 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 30728 | 4.864 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30213 | 4.920 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 39588 | 4.958 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 33076 | 4.909 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 17198 | 4.928 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 17600 | 4.910 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 29990 | 4.688 | ug/l | | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 5285 | 4.480 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 16203 | 4.968 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 1982 | 4.834 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 10507 | 4.532 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 4953 | 5.078 | ug/l | | 95 |
| 95) Naphthalene | 13.774 | 128 | 29158 | 4.414 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 10725 | 4.835 | ug/l | | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

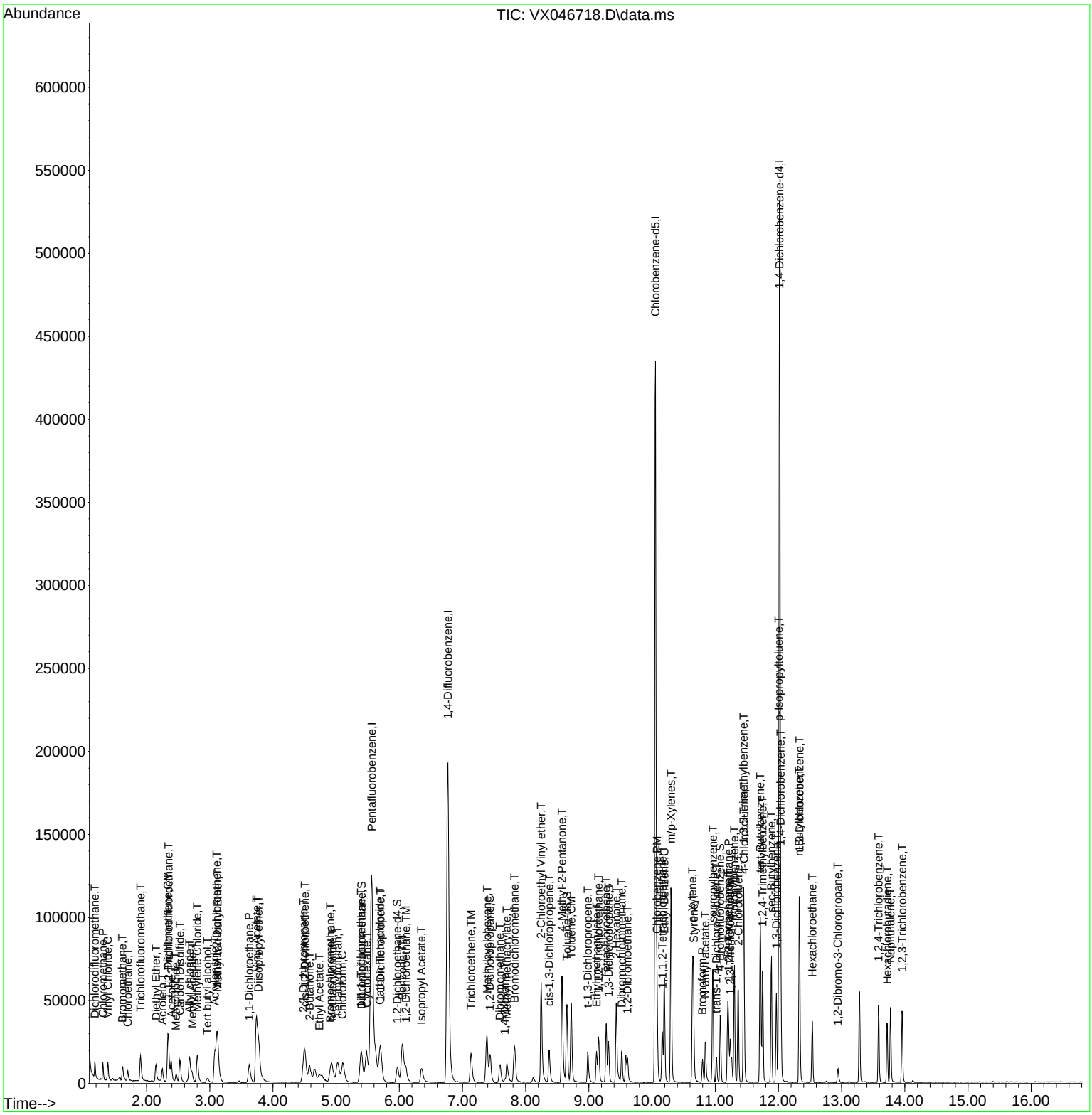
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

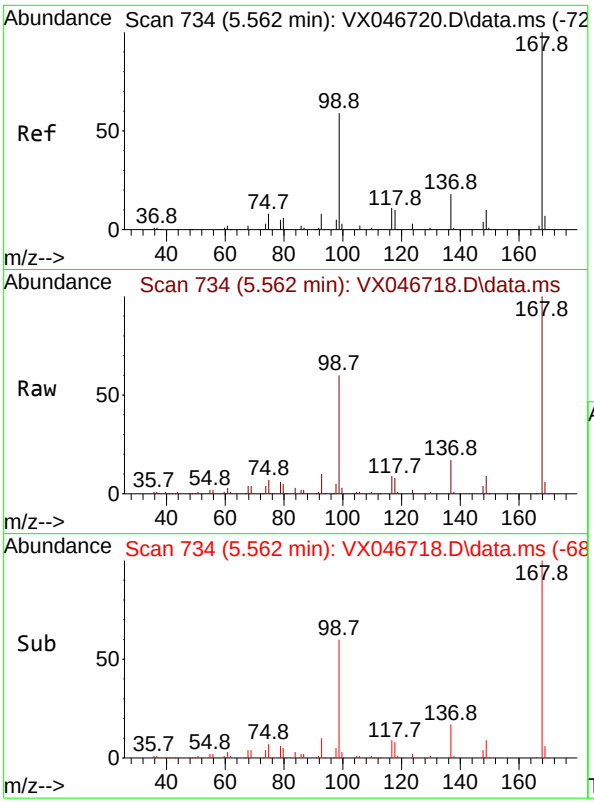
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



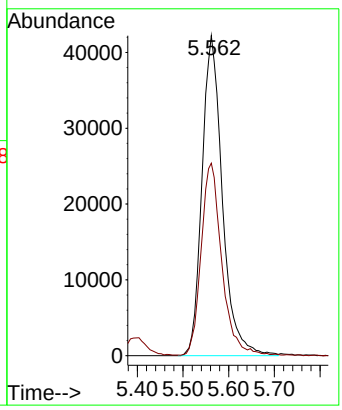


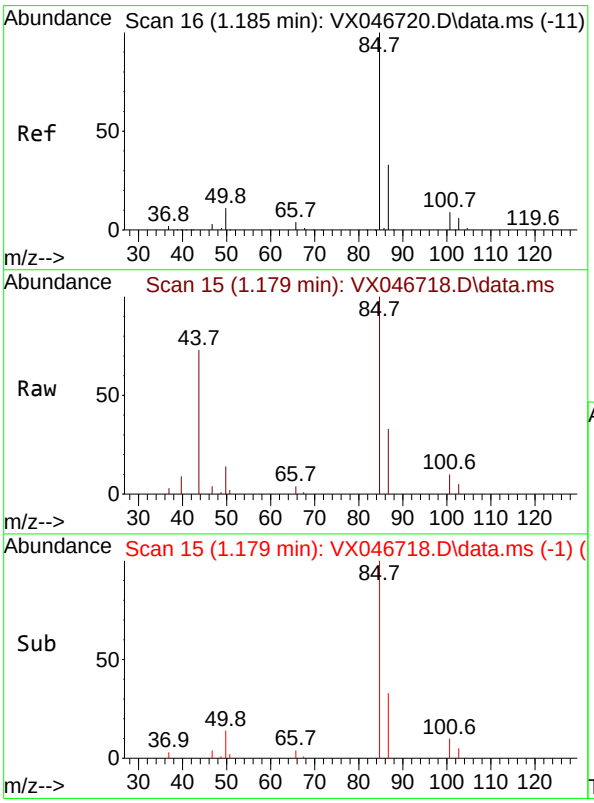

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 130530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.0 | 48.5 | 72.7 |

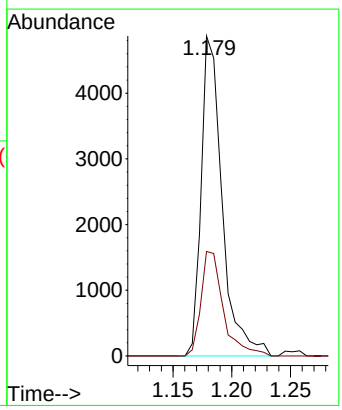


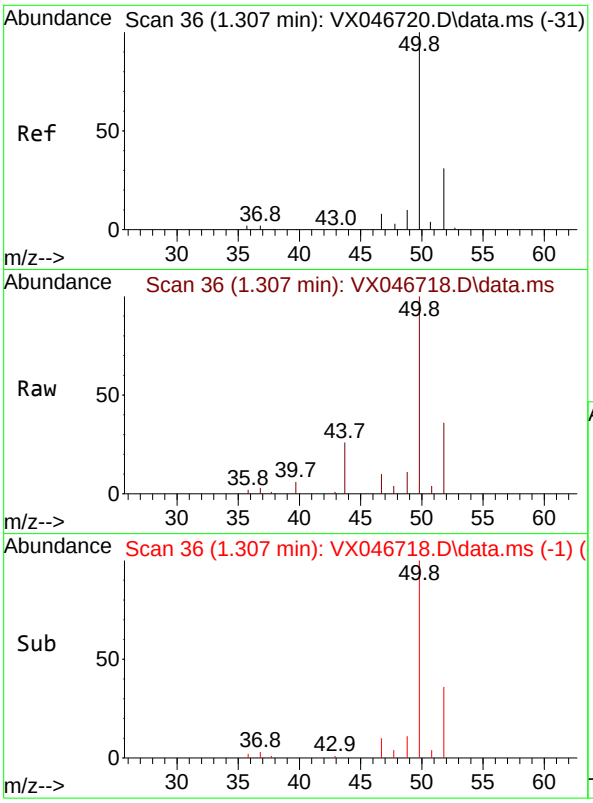




#2
Dichlorodifluoromethane
Concen: 4.342 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 85 Resp: 6051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |



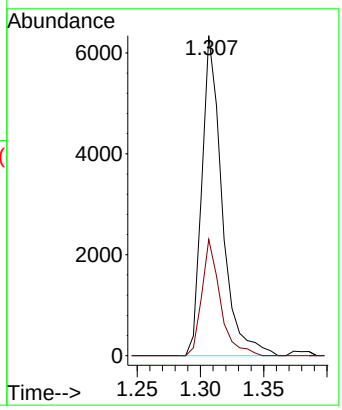


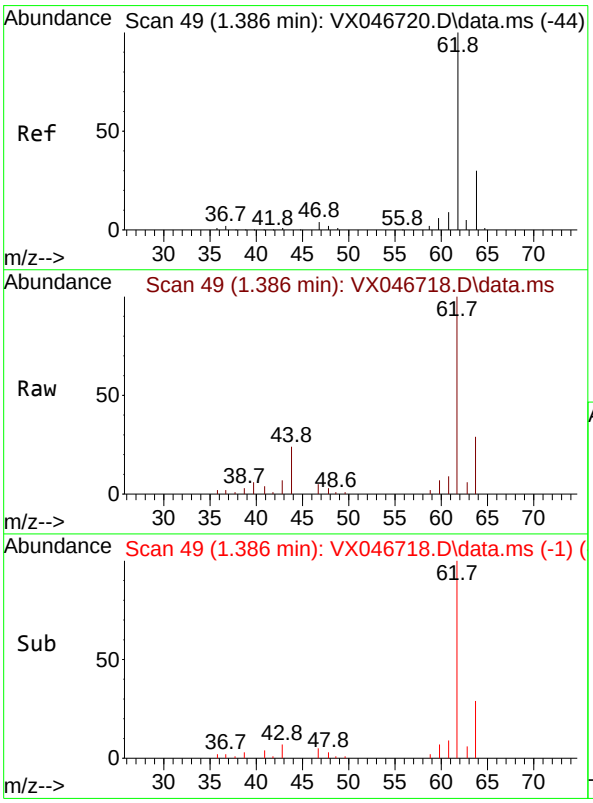

#3
Chloromethane
Concen: 4.698 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 7066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.4 | 24.9 | 37.3 |

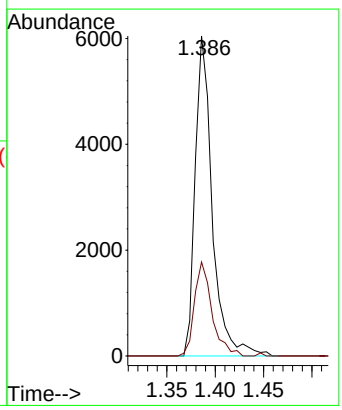


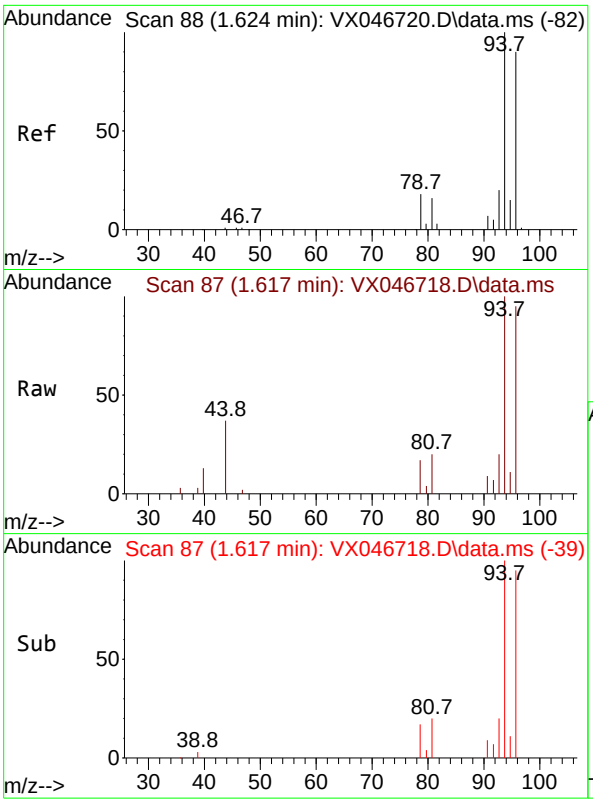




#4
Vinyl Chloride
Concen: 4.629 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 62 Resp: 7425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.3 | 23.9 | 35.9 |



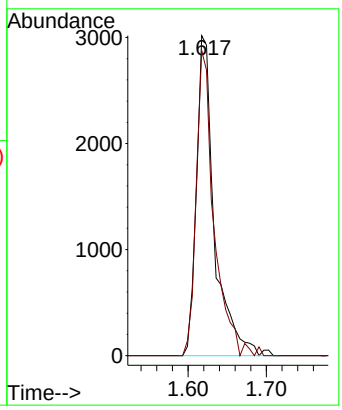


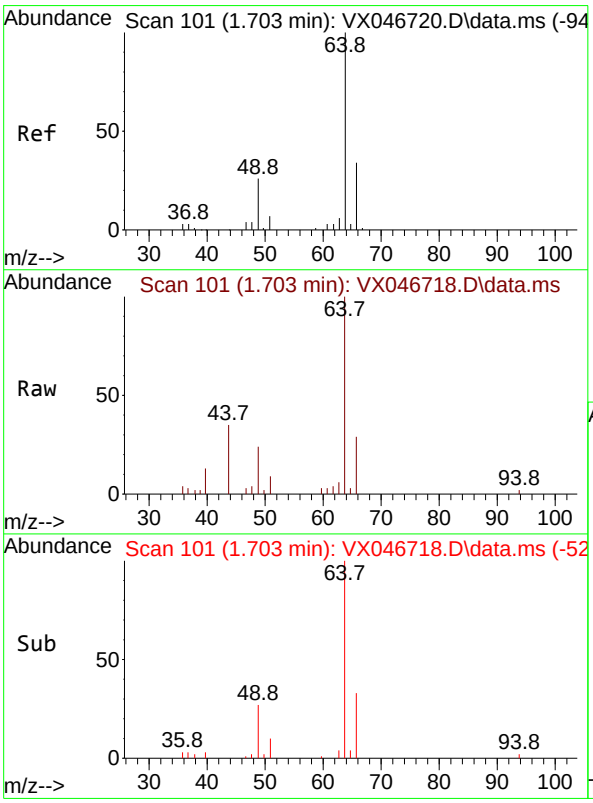

#5
Bromomethane
Concen: 5.360 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 4837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 72.3 | 108.5 |

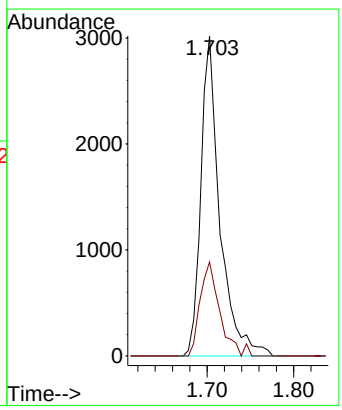


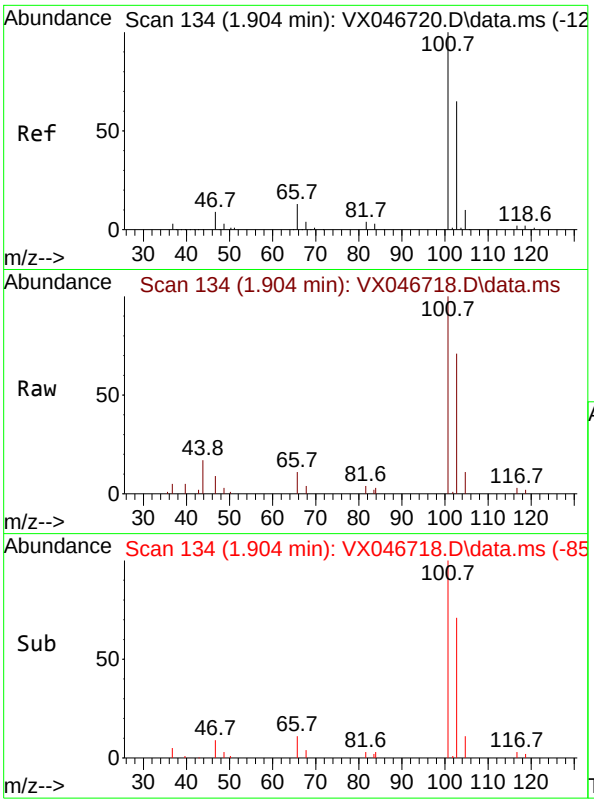




#6
Chloroethane
Concen: 4.706 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 64 Resp: 4575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 29.4 | 27.1 | 40.7 |



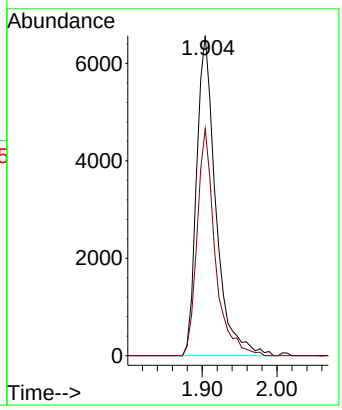


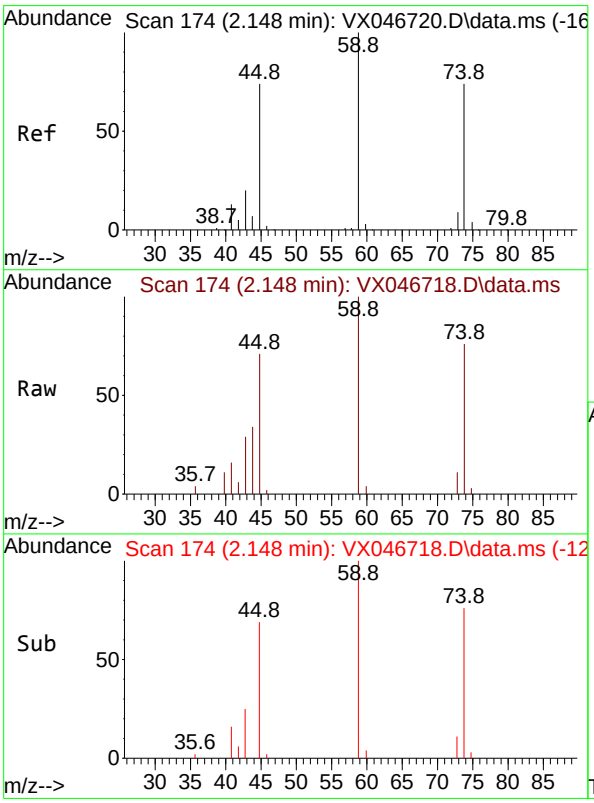

#7
Trichlorofluoromethane
Concen: 4.810 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 11714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 70.9 | 51.8 | 77.8 |

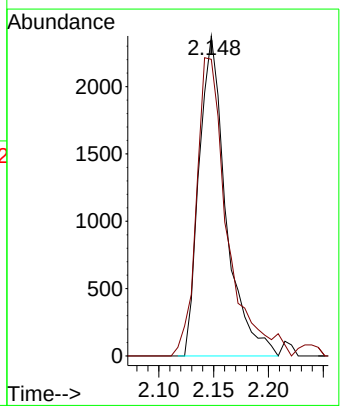


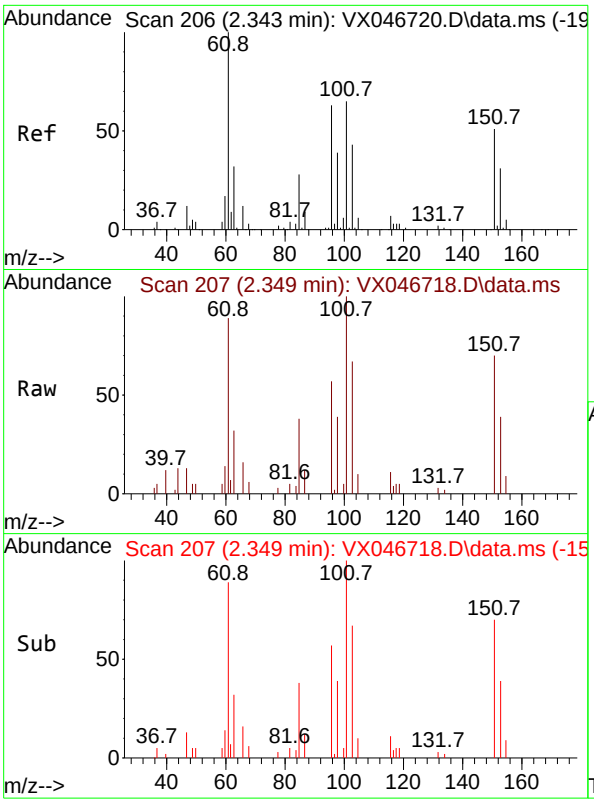




#8
Diethyl Ether
Concen: 4.831 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 74 Resp: 4038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.5 | 52.3 | 157.1 |



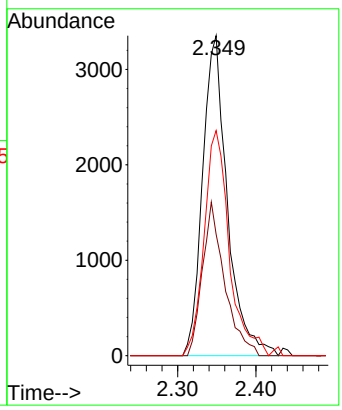


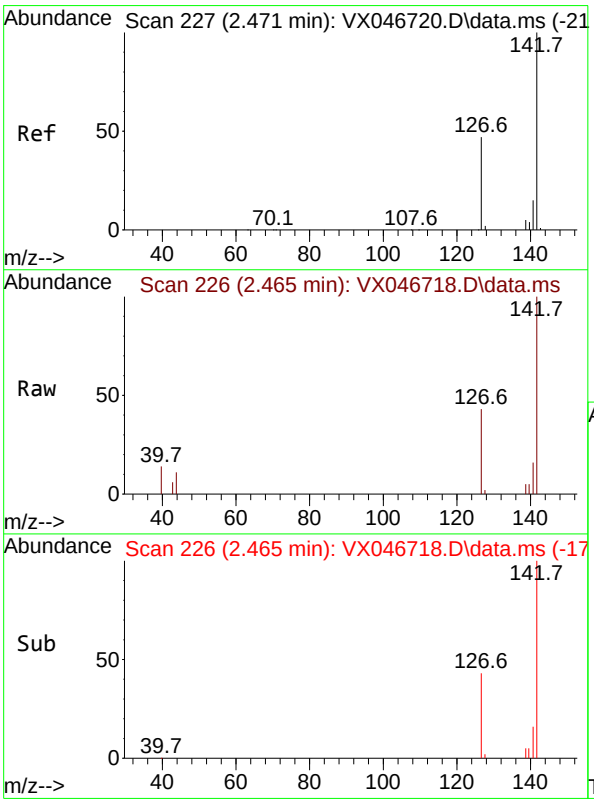

#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.921 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 7353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.4 | 53.0 |
| 151 | 71.5 | 61.2 | 91.8 |

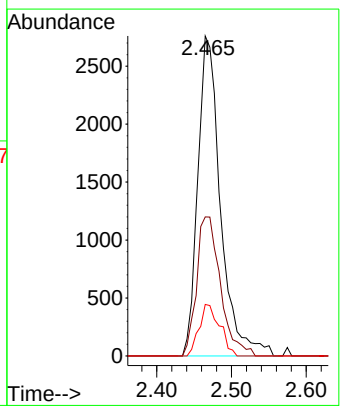


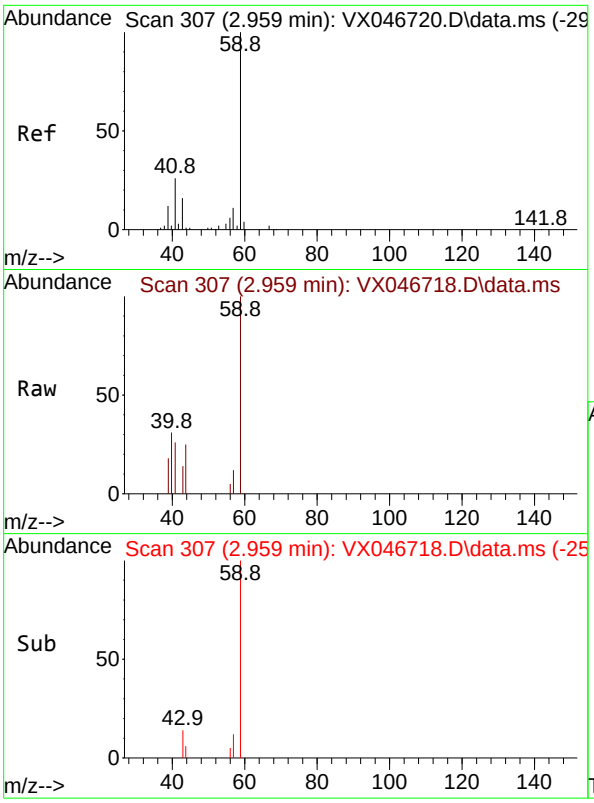




#10
Methyl Iodide
Concen: 7.181 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:142 Resp: 5830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.5 | 37.0 | 55.6 |
| 141 | 14.6 | 11.5 | 17.3 |



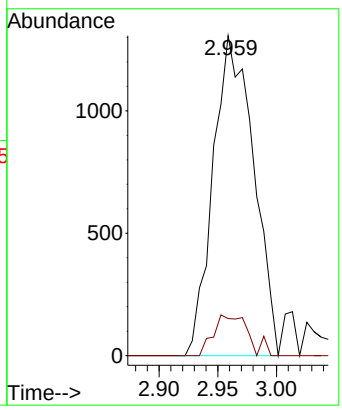


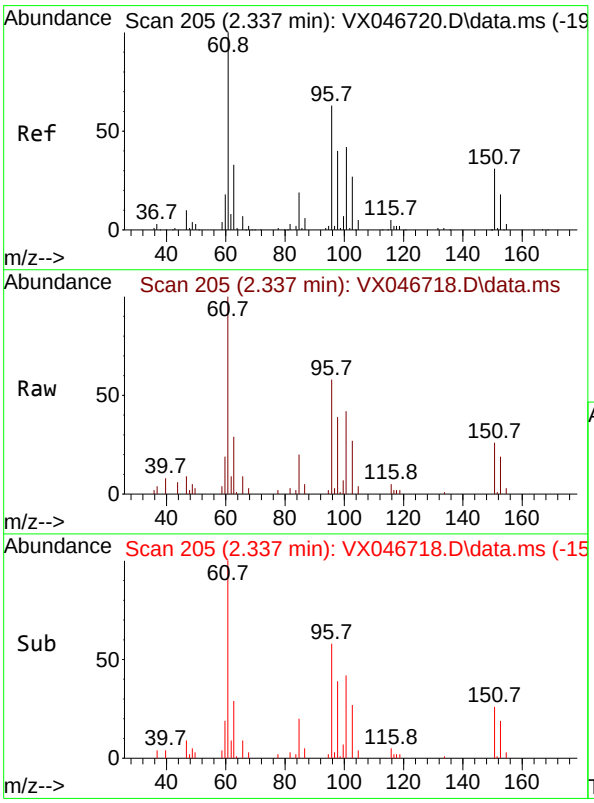

#11
Tert butyl alcohol
Concen: 19.340 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 3134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.3 | 12.5 |

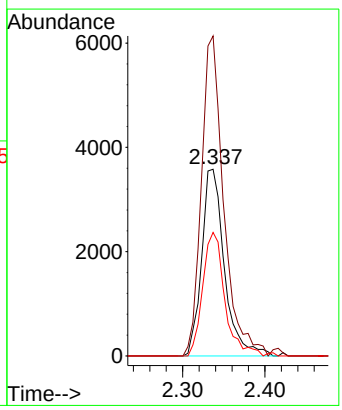


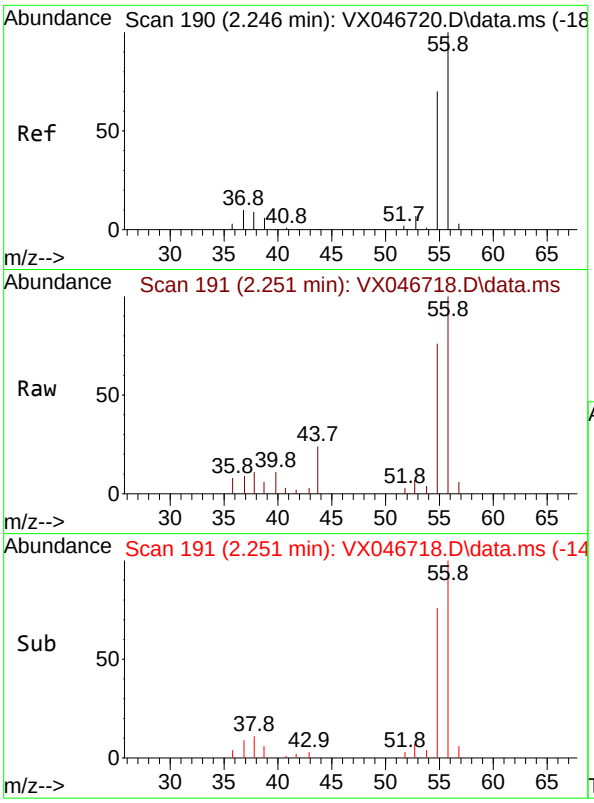




#12
1,1-Dichloroethene
Concen: 4.775 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 96 Resp: 6884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.4 | 126.6 | 189.8 |
| 98 | 68.2 | 50.7 | 76.1 |



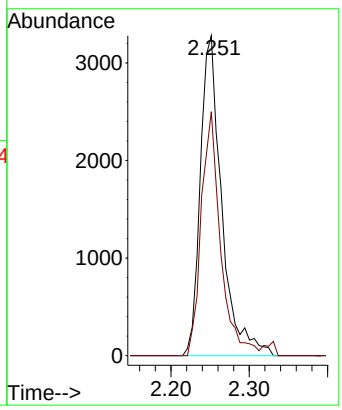


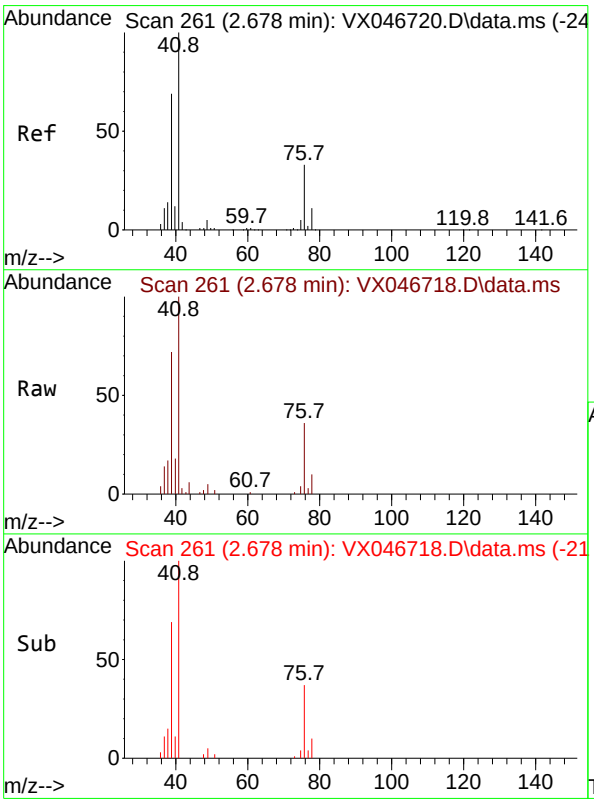

#13
Acrolein
Concen: 26.301 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 6208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 55.2 | 82.8 |

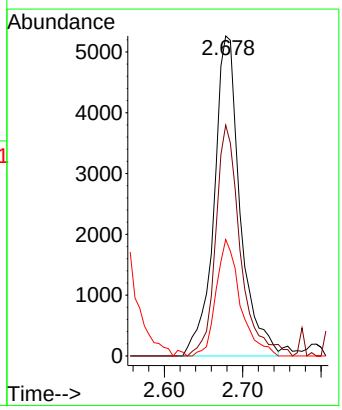


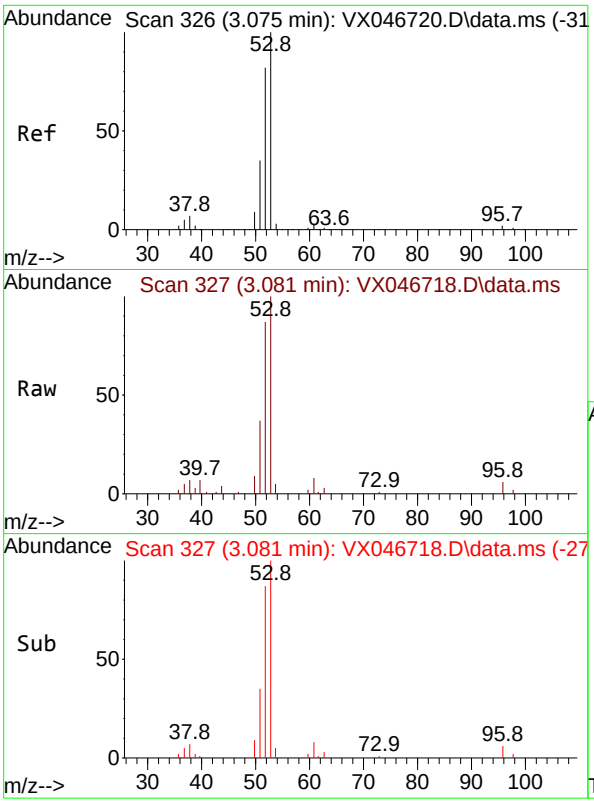




#14
Allyl chloride
Concen: 4.668 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 41 Resp: 12195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.1 | 53.6 | 80.4 |
| 76 | 33.8 | 26.8 | 40.2 |



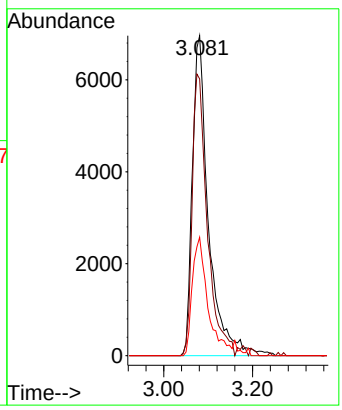


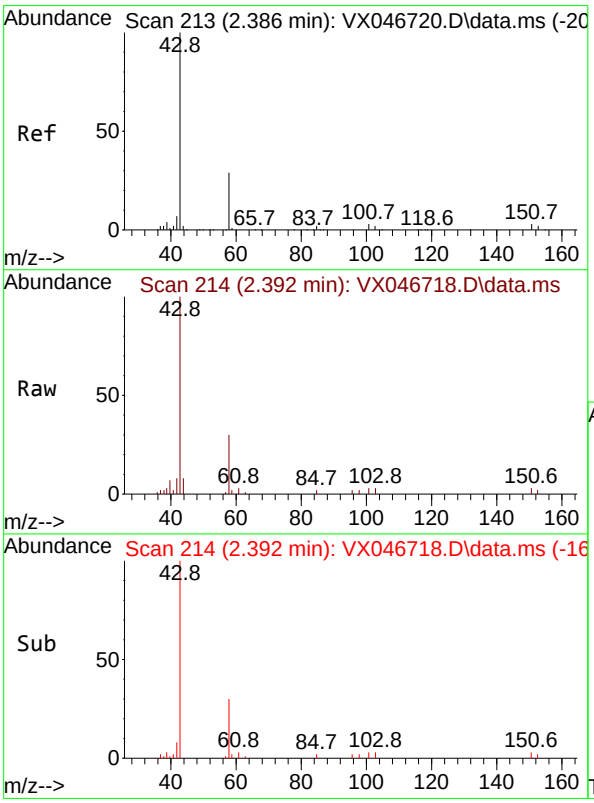

#15
Acrylonitrile
Concen: 24.169 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 17611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.8 | 65.1 | 97.7 |
| 51 | 35.6 | 28.9 | 43.3 |

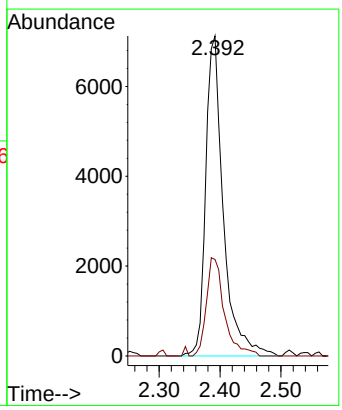


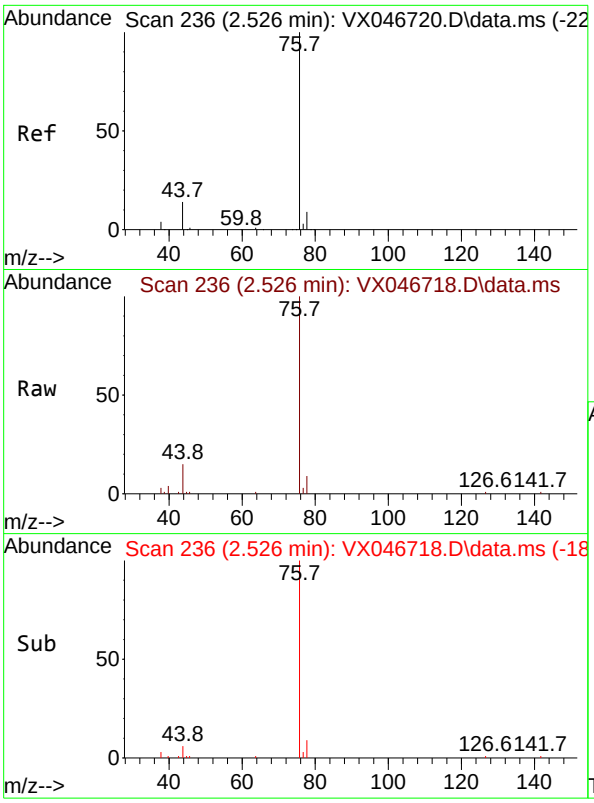




#16
Acetone
Concen: 23.710 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 14275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 24.5 | 36.7 |



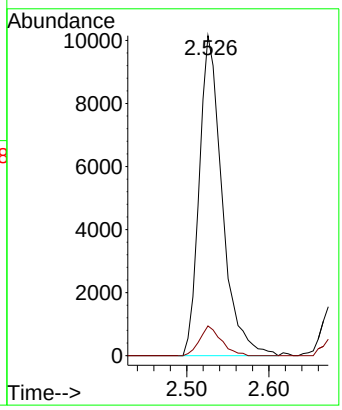


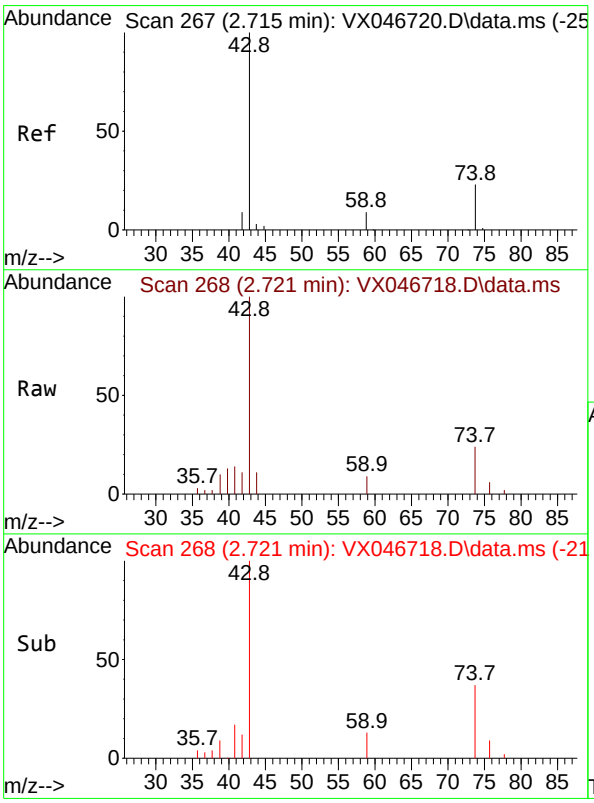

#17
Carbon Disulfide
Concen: 4.507 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 19624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.5 | 11.3 |

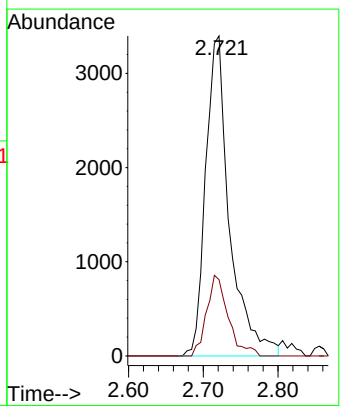


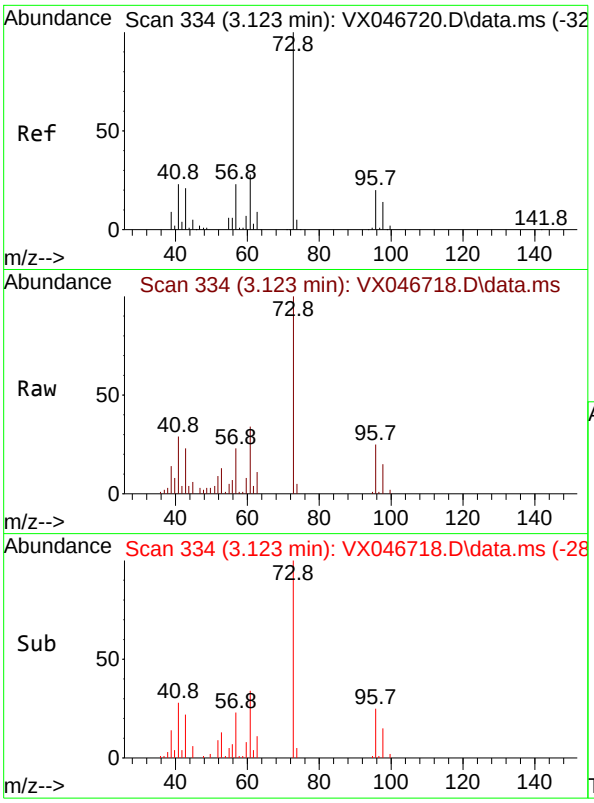




#18
Methyl Acetate
Concen: 4.924 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 7530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 18.4 | 27.6 |



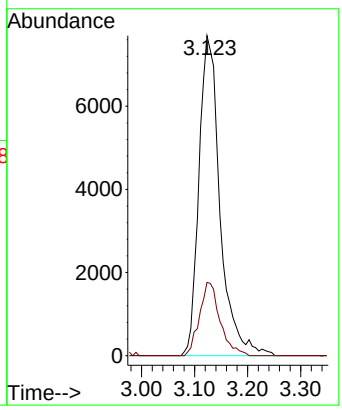


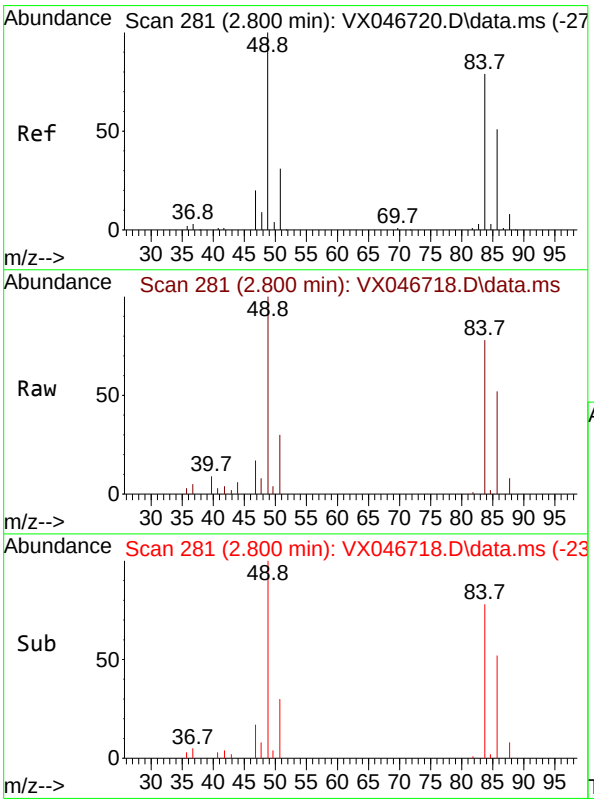

#19
Methyl tert-butyl Ether
Concen: 4.734 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 21254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.0 | 18.2 | 27.2 |

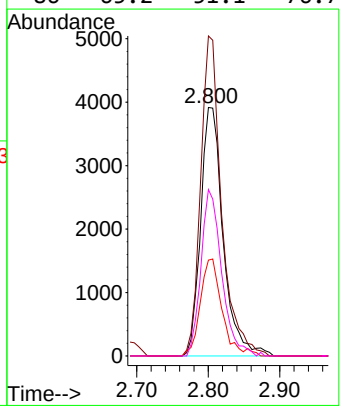


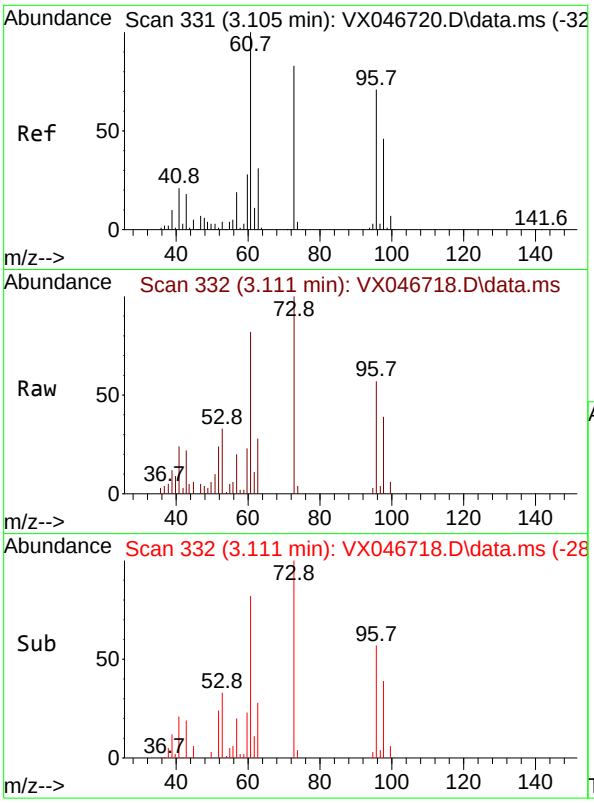




#20
Methylene Chloride
Concen: 5.110 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 84 Resp: 8556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.6 | 101.3 | 151.9 |
| 51 | 37.6 | 31.0 | 46.6 |
| 86 | 65.2 | 51.1 | 76.7 |



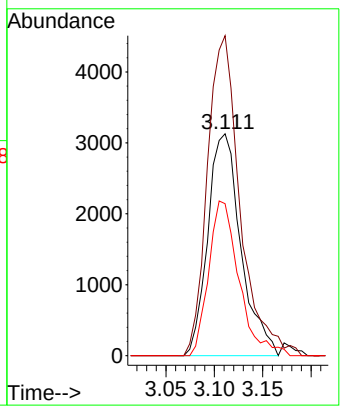


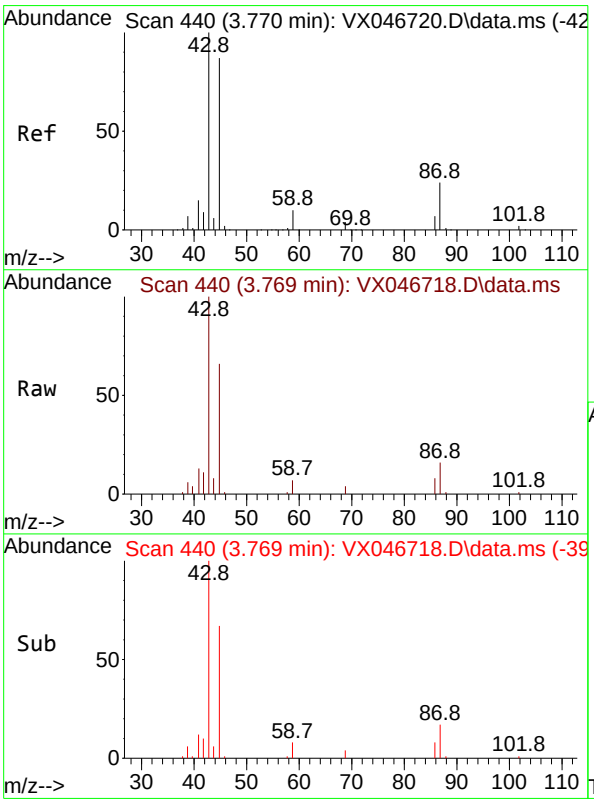

#21
trans-1,2-Dichloroethene
Concen: 4.813 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 7425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.2 | 112.5 | 168.7 |
| 98 | 68.5 | 51.9 | 77.9 |

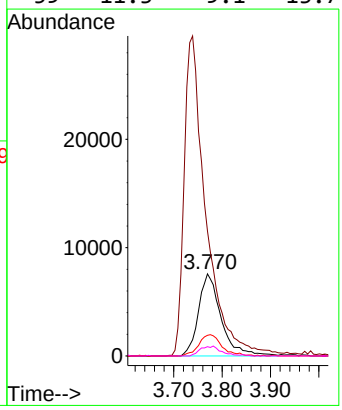


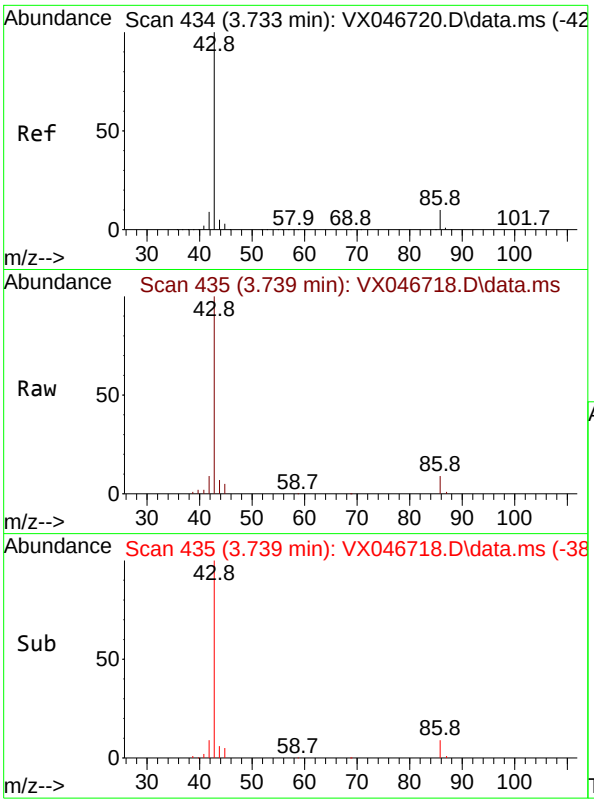




#22
Diisopropyl ether
Concen: 4.895 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 45 Resp: 24580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 160.9 | 91.9 | 137.9# |
| 87 | 25.1 | 22.0 | 33.0 |
| 59 | 11.3 | 9.1 | 13.7 |



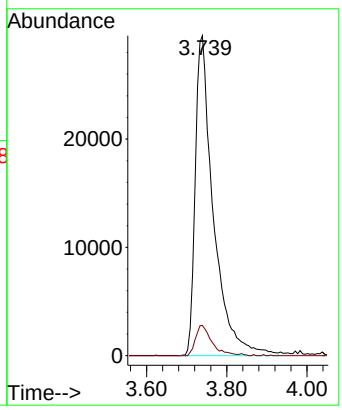


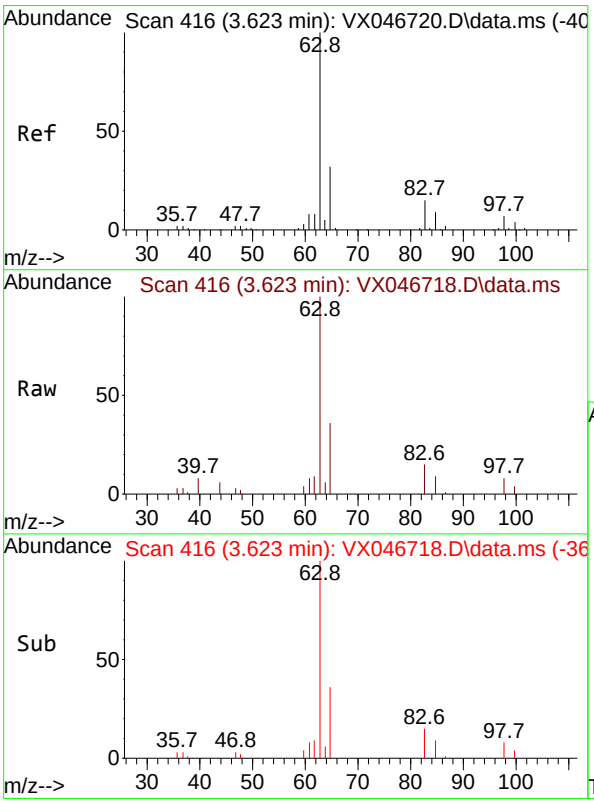

#23
Vinyl Acetate
Concen: 23.264 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 92889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.2 | 12.2 |

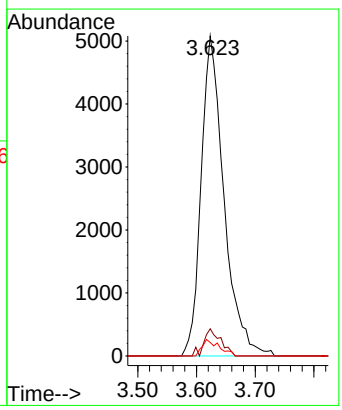


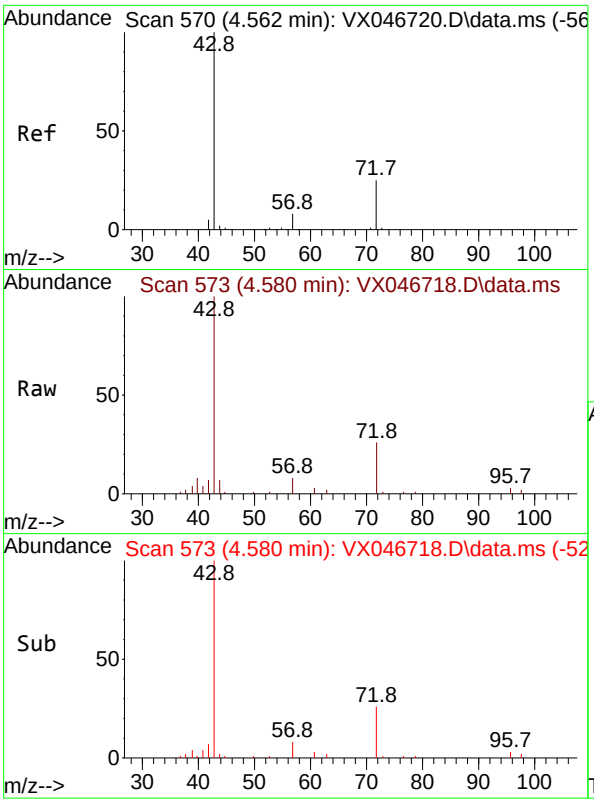




#24
1,1-Dichloroethane
Concen: 4.827 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 63 Resp: 13761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.5 | 4.0 | 11.9 |
| 100 | 4.2 | 2.2 | 6.6 |



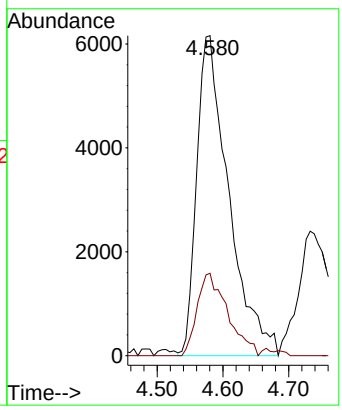


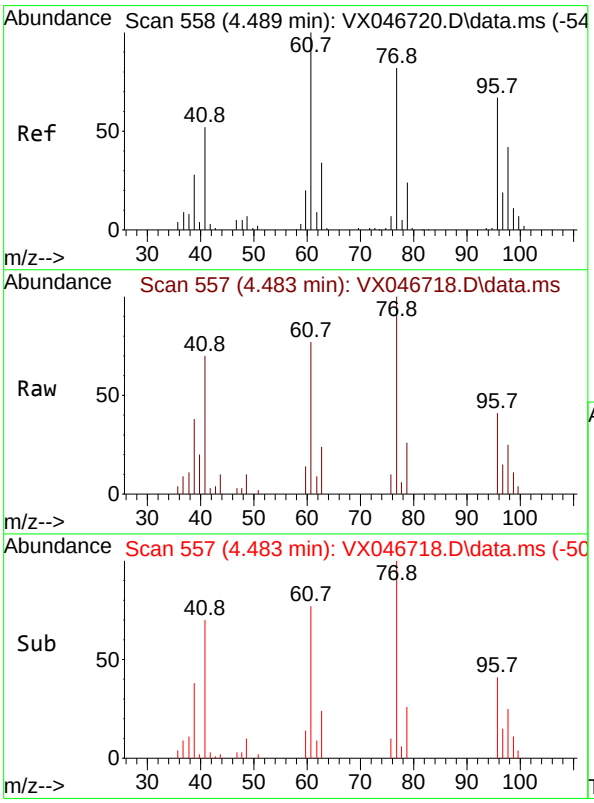

#25
2-Butanone
Concen: 24.452 ug/l
RT: 4.580 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 20821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 20.2 | 30.4 |

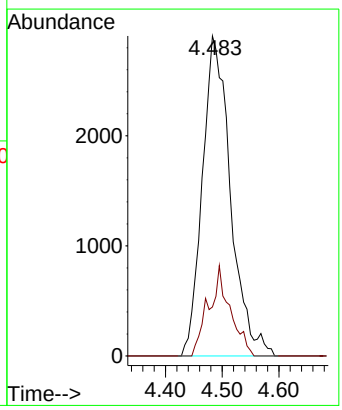


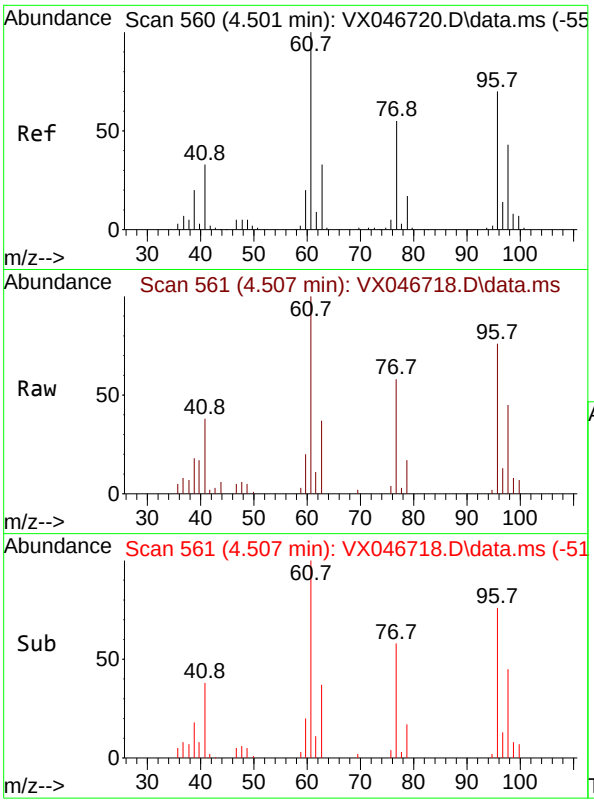




#26
2,2-Dichloropropane
Concen: 4.819 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 77 Resp: 10020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 11.8 | 35.3 |



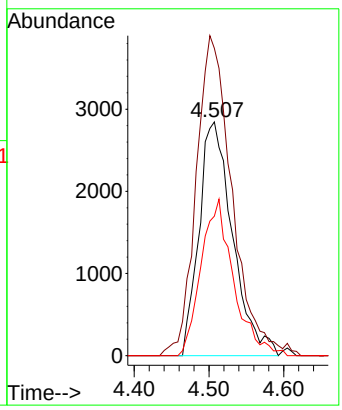


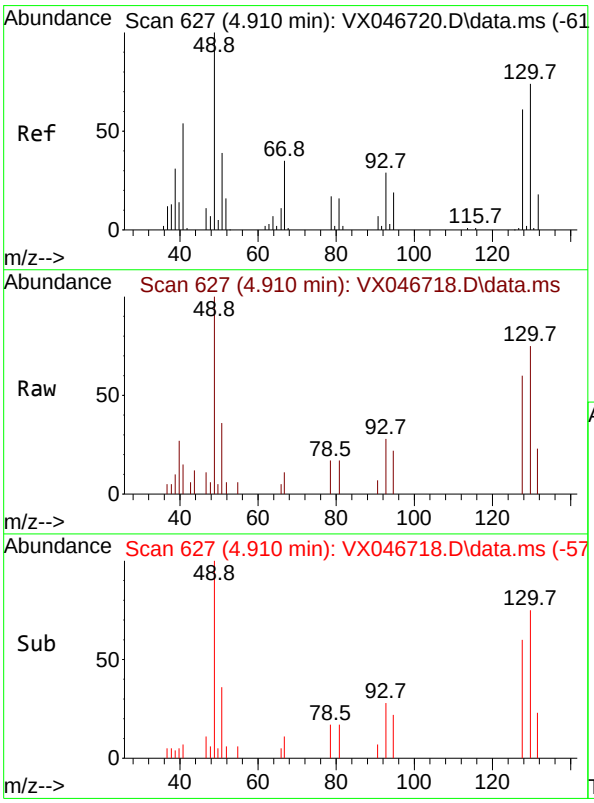

#27
cis-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 8891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.2 | 0.0 | 291.0 |
| 98 | 64.6 | 0.0 | 126.8 |

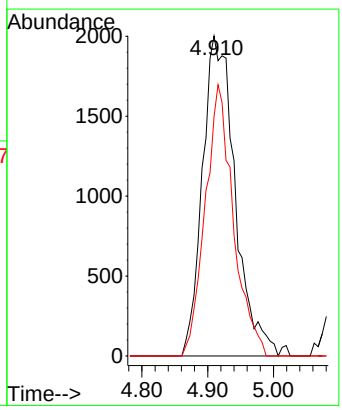


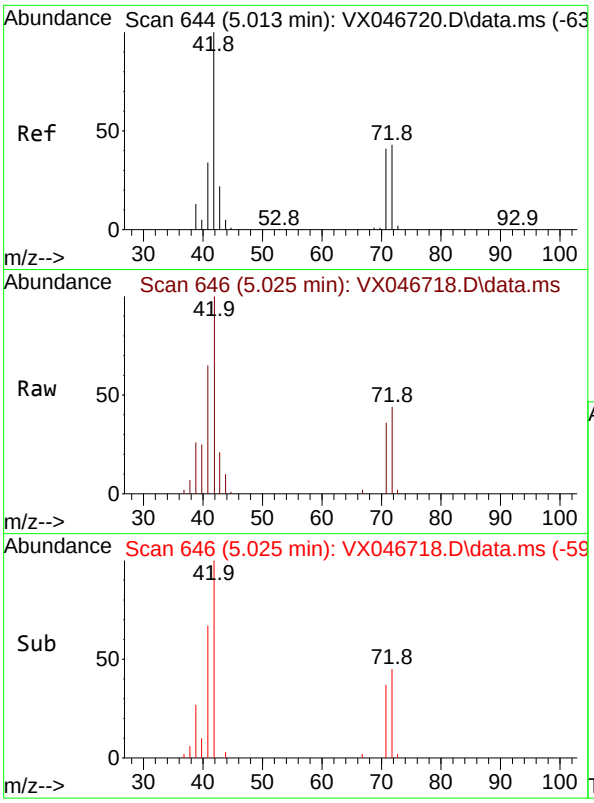




#28
Bromochloromethane
Concen: 5.326 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 49 Resp: 6884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 73.3 | 61.4 | 92.0 |



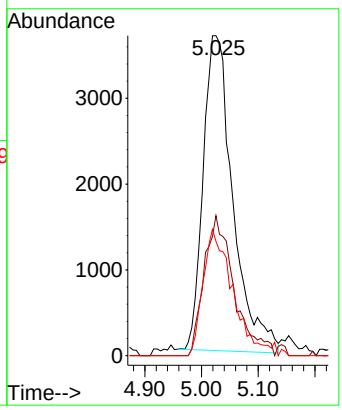


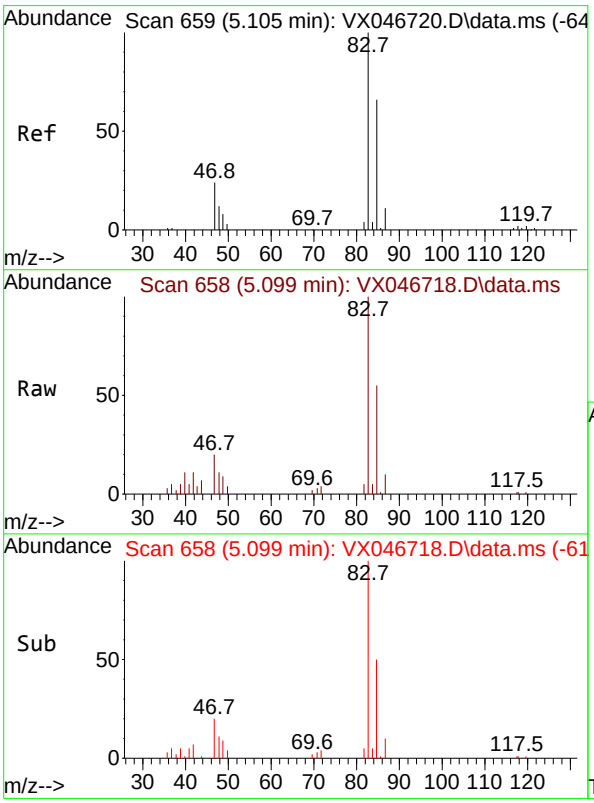

#29
Tetrahydrofuran
Concen: 24.367 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 13402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.7 | 34.9 | 52.3 |
| 71 | 40.5 | 32.2 | 48.2 |

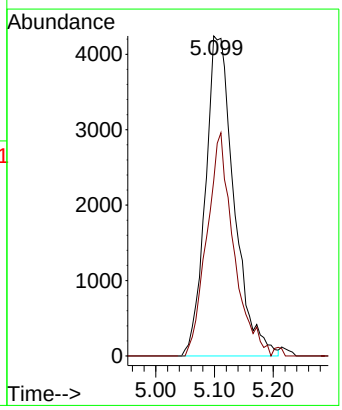


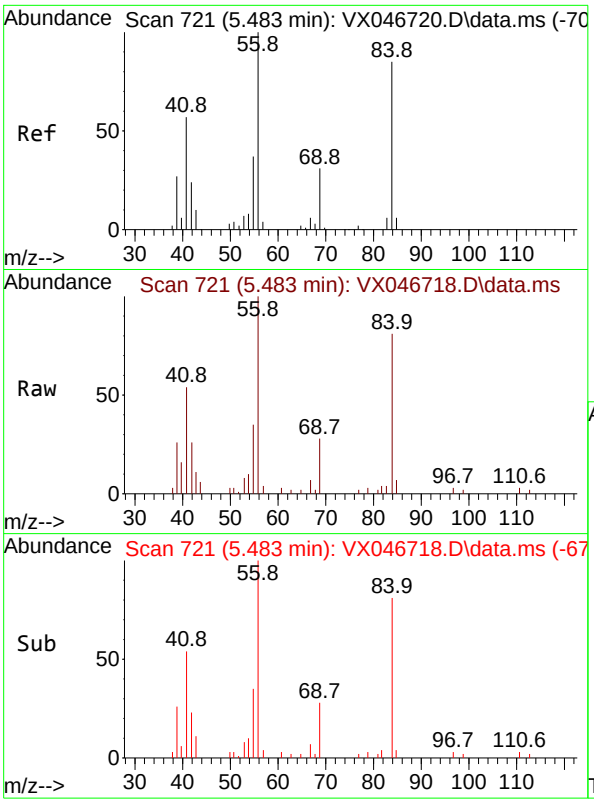




#30
Chloroform
Concen: 5.046 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 83 Resp: 14385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.2 | 53.7 | 80.5 |



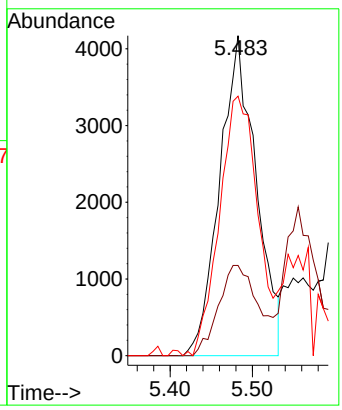


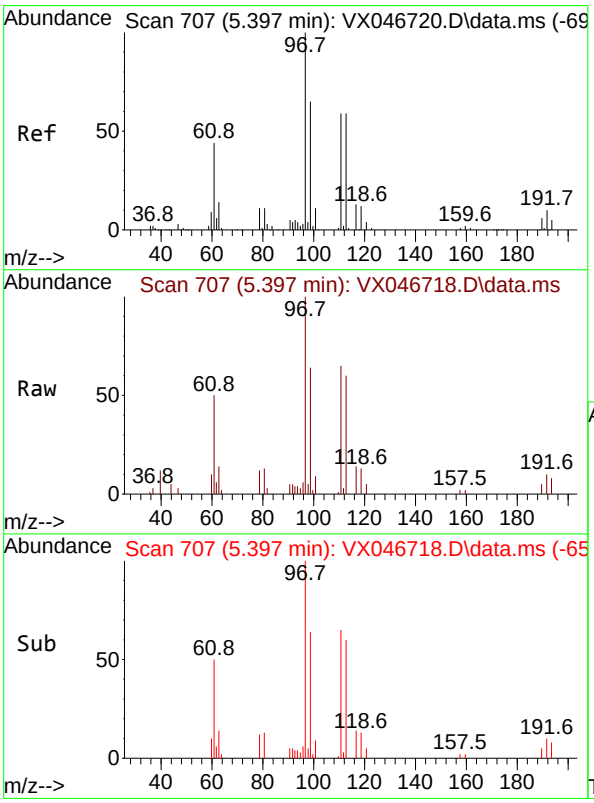

#31
Cyclohexane
Concen: 4.748 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 12835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.2 | 24.8 | 37.2 |
| 84 | 79.6 | 68.2 | 102.2 |

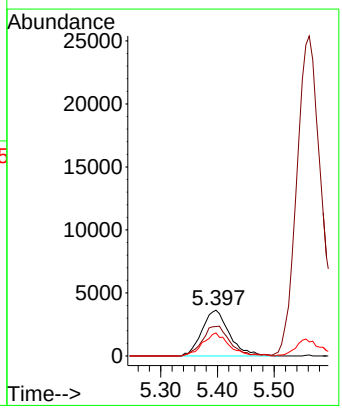


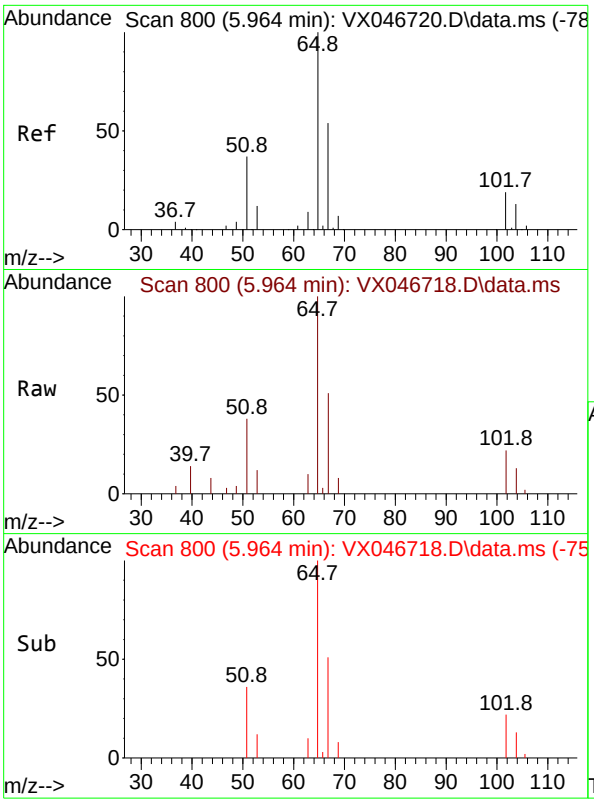




#32
1,1,1-Trichloroethane
Concen: 4.859 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 97 Resp: 12150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 51.3 | 76.9 |
| 61 | 47.8 | 36.4 | 54.6 |



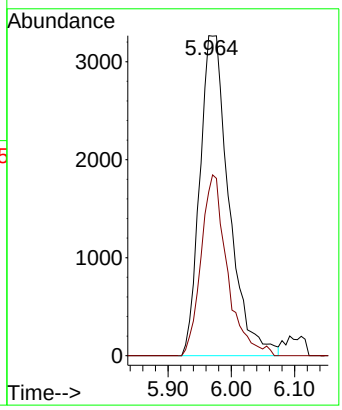


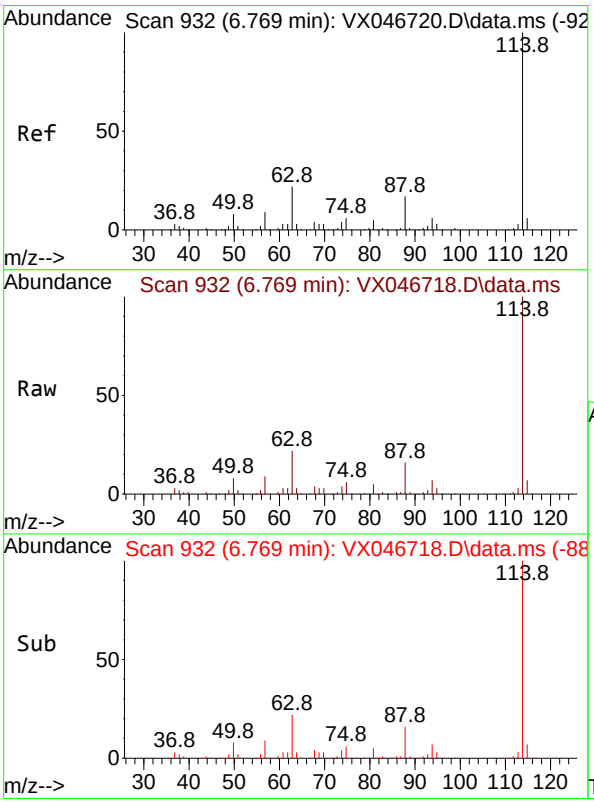

#33
1,2-Dichloroethane-d4
Concen: 5.791 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 10456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 105.4 |

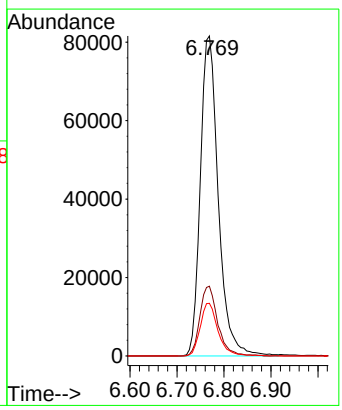


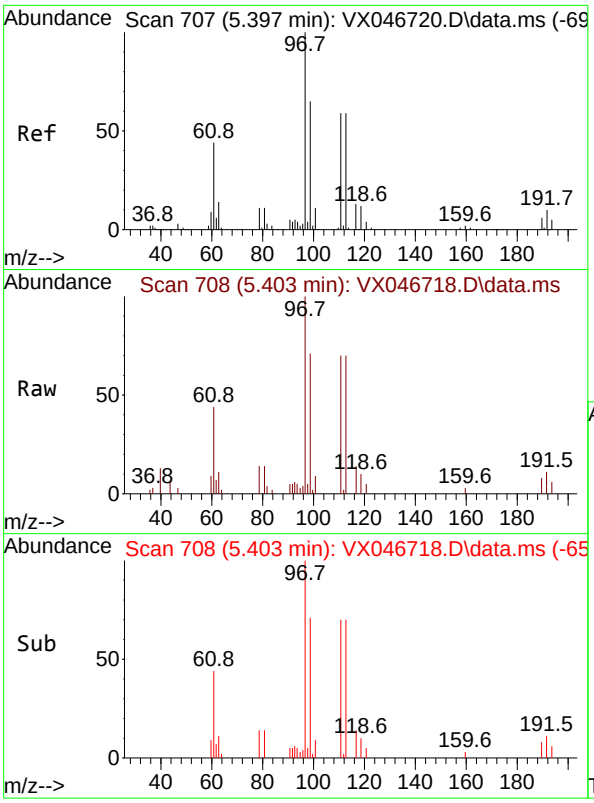




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:114 Resp: 217019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 16.4 | 0.0 | 33.2 |



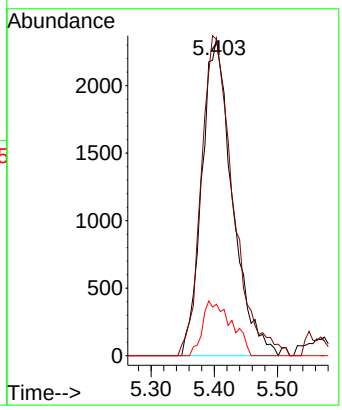


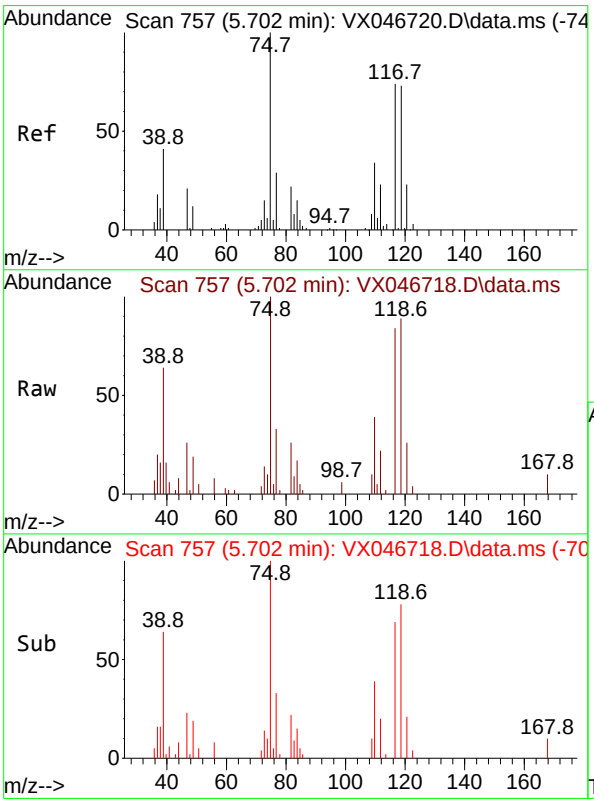

#35
Dibromofluoromethane
Concen: 5.478 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 7865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.7 | 82.0 | 123.0 |
| 192 | 16.4 | 15.3 | 22.9 |

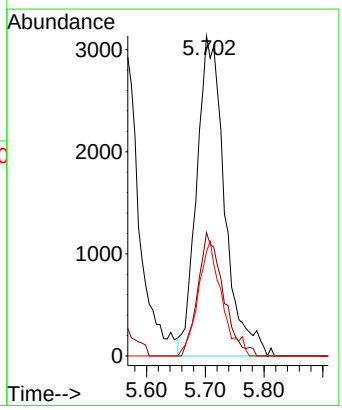


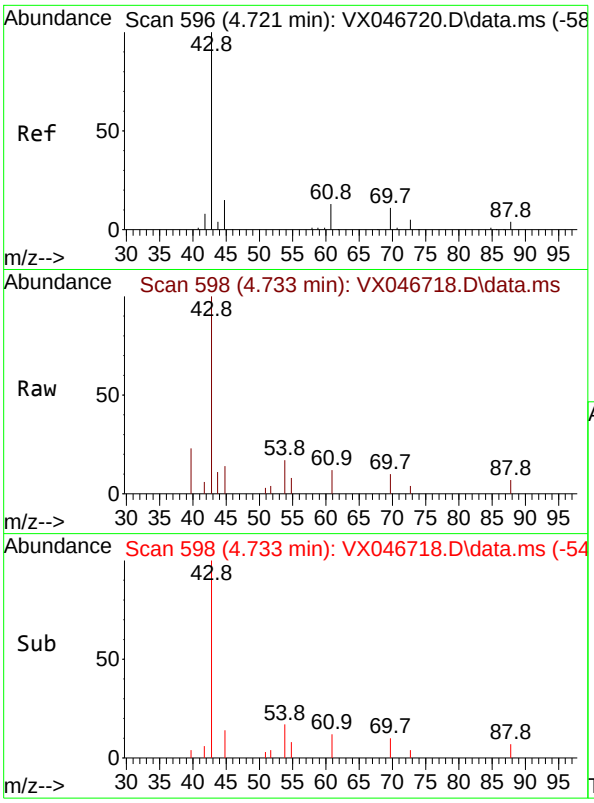




#36
1,1-Dichloropropene
Concen: 4.998 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 10359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.2 | 51.5 |
| 77 | 30.4 | 24.2 | 36.4 |



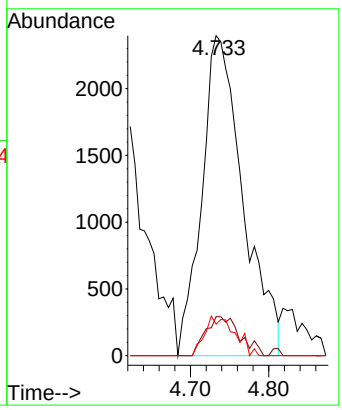


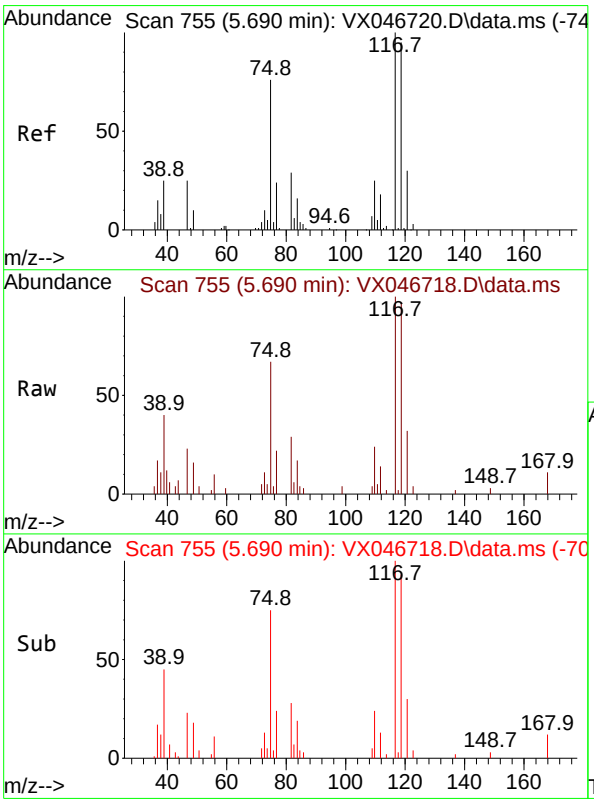

#37
Ethyl Acetate
Concen: 4.580 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 8763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.1 | 9.7 | 14.5 |
| 70 | 8.9 | 8.1 | 12.1 |

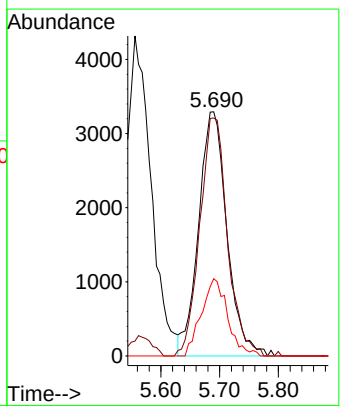


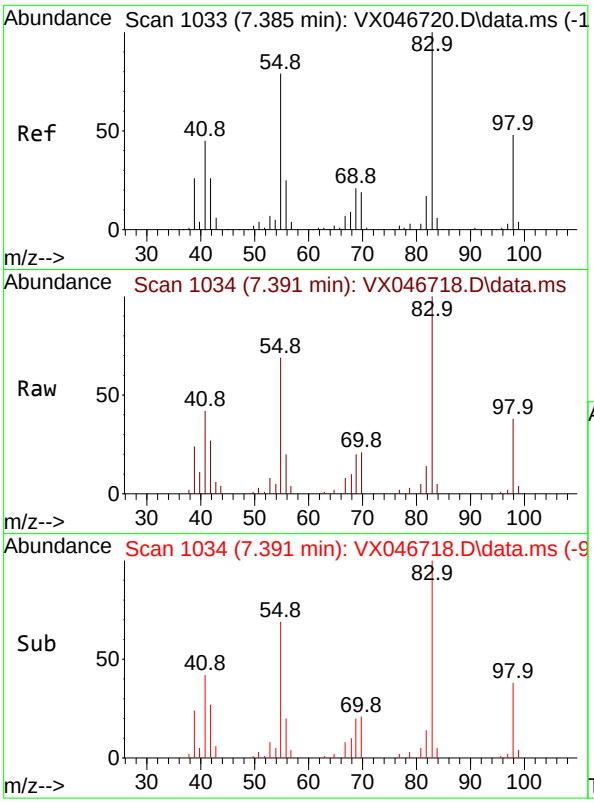




#38
Carbon Tetrachloride
Concen: 4.909 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:117 Resp: 11043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 75.2 | 112.8 |
| 121 | 31.6 | 24.1 | 36.1 |



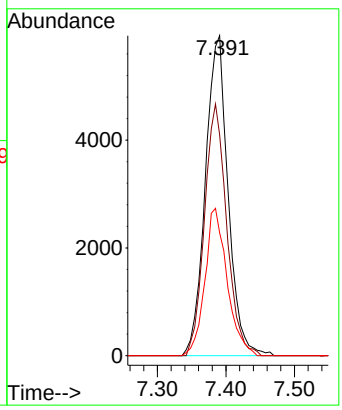


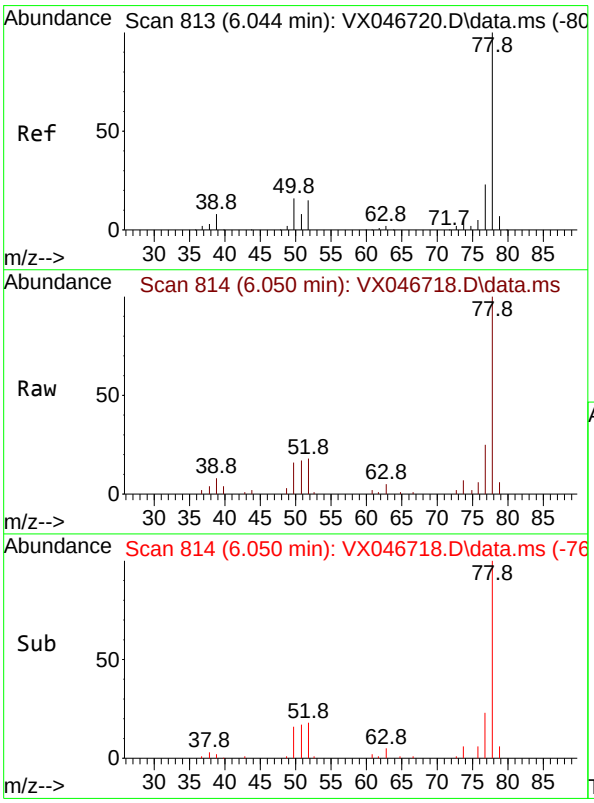

#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 13704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.0 | 63.0 | 94.4 |
| 98 | 38.4 | 38.8 | 58.2# |

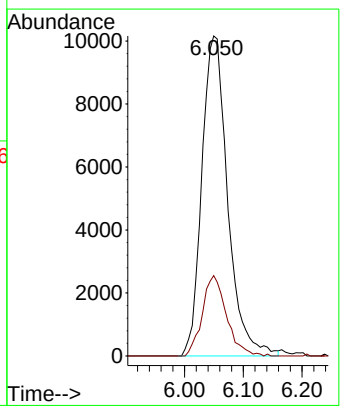


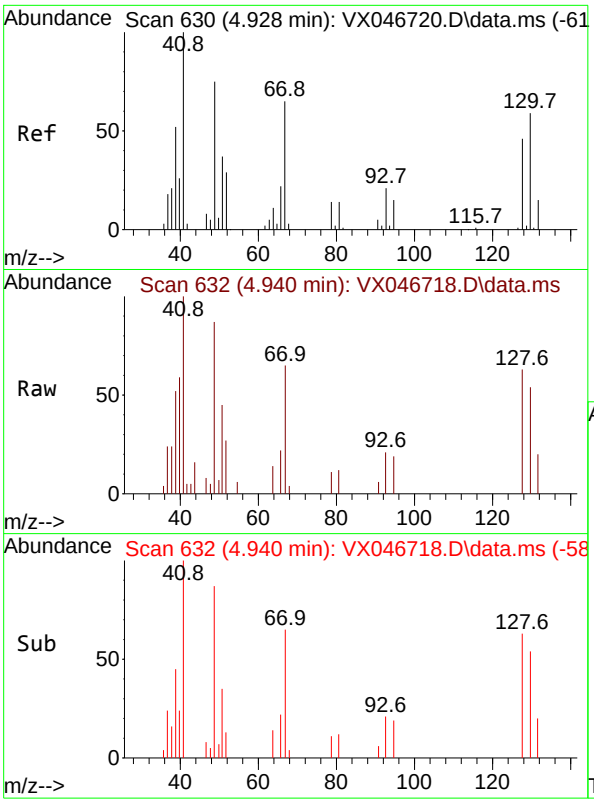




#40
Benzene
Concen: 5.064 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 78 Resp: 31061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 18.8 | 28.2 |



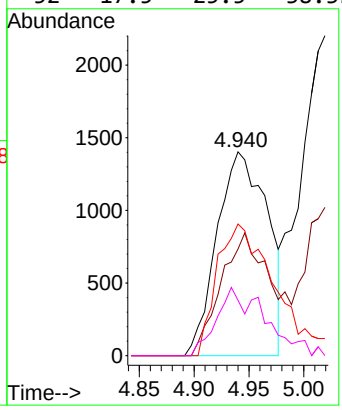


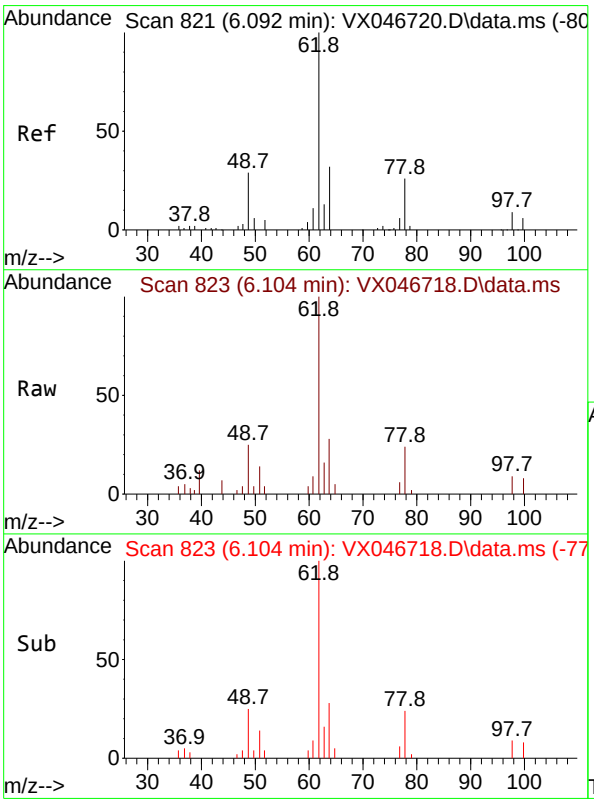

#41
Methacrylonitrile
Concen: 4.400 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 4488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 61.2 | 45.9 | 68.9 |
| 67 | 74.8 | 61.2 | 91.8 |
| 52 | 17.5 | 25.5 | 38.3# |

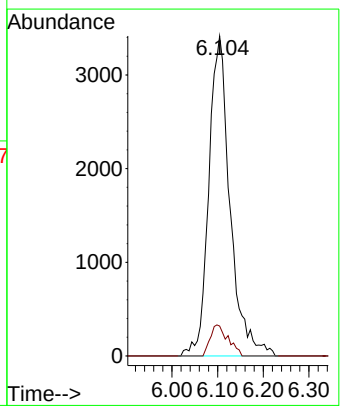


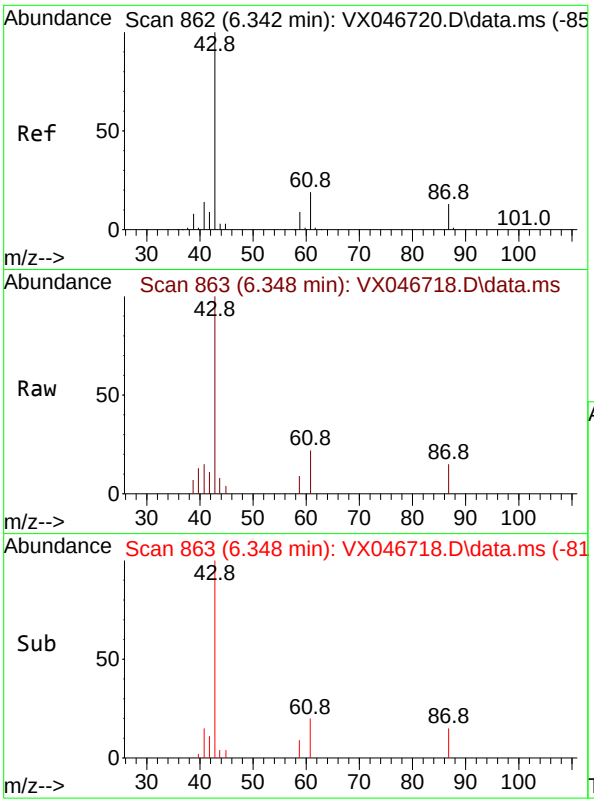




#42
1,2-Dichloroethane
Concen: 5.116 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 62 Resp: 11029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.1 | 0.0 | 17.8 |



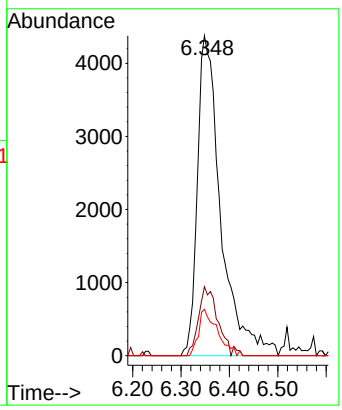


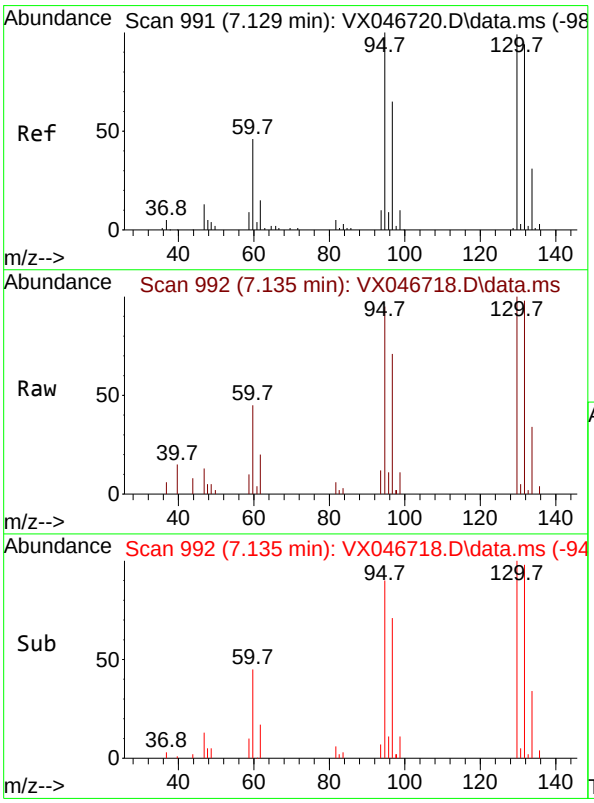

#43
Isopropyl Acetate
Concen: 4.914 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 14711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.3 | 15.3 | 22.9 |
| 87 | 11.6 | 10.0 | 15.0 |

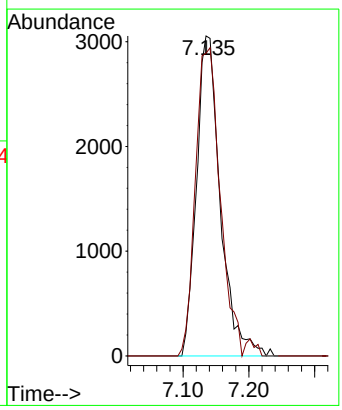


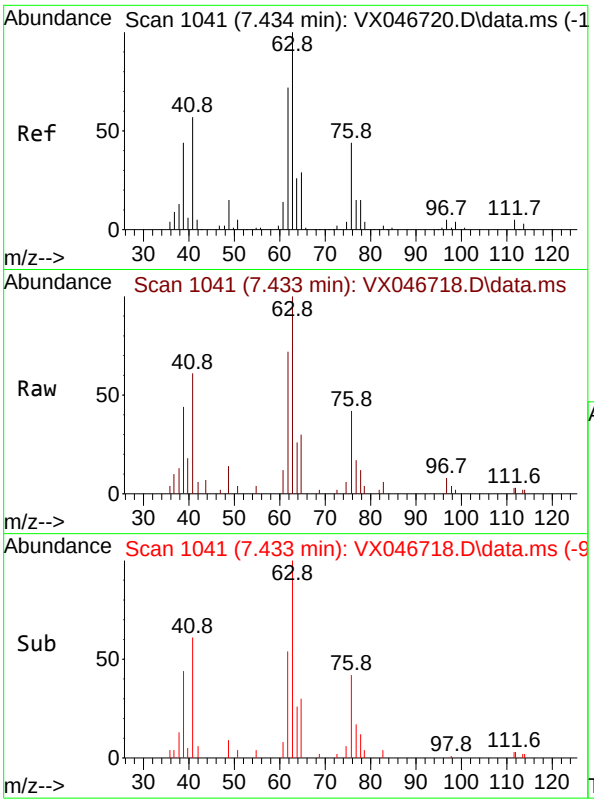




#44
Trichloroethene
Concen: 4.927 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:130 Resp: 7703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 94.6 | 0.0 | 202.6 |



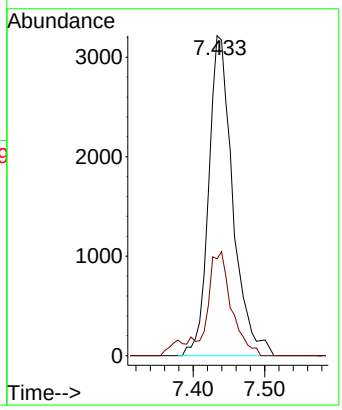


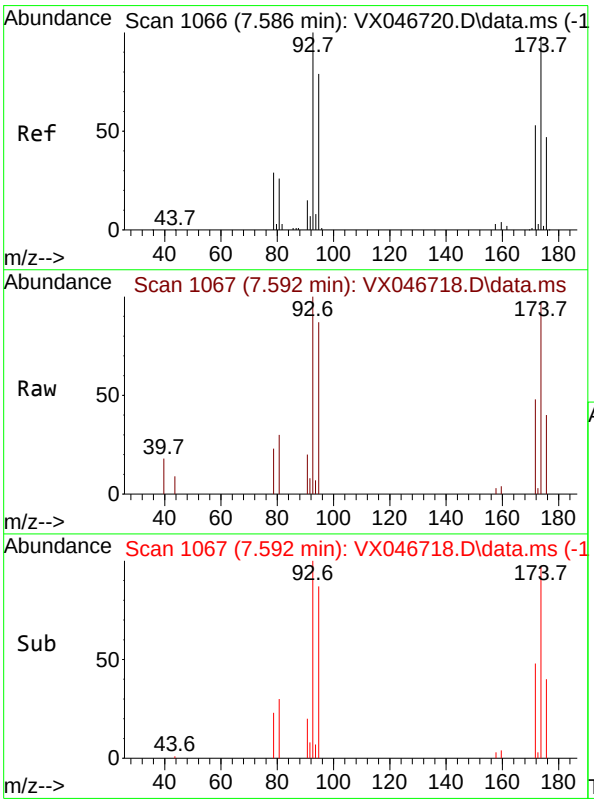

#45
1,2-Dichloropropane
Concen: 4.952 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 7529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 22.9 | 34.3 |

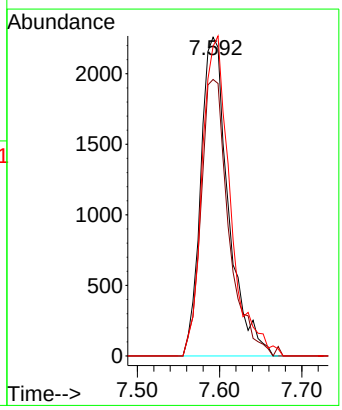


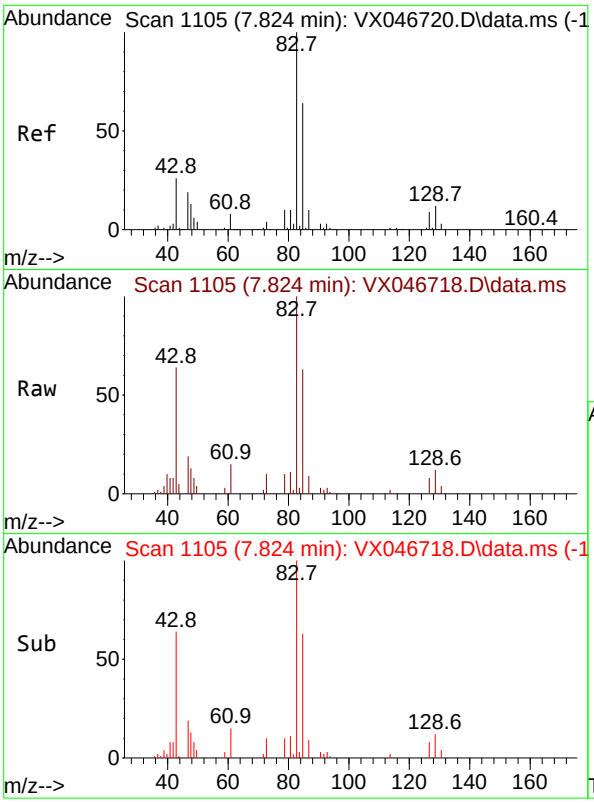




#46
Dibromomethane
Concen: 4.821 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 93 Resp: 5267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 86.9 | 66.2 | 99.4 |
| 174 | 102.0 | 77.0 | 115.6 |



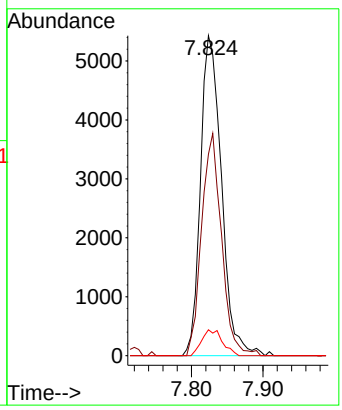


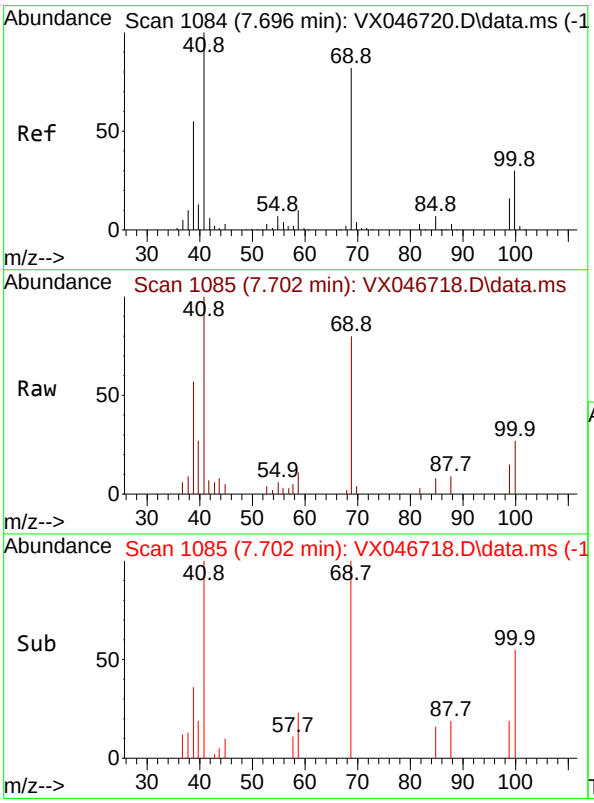

#47
Bromodichloromethane
Concen: 4.966 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 11072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.1 | 51.4 | 77.2 |
| 127 | 7.9 | 6.9 | 10.3 |

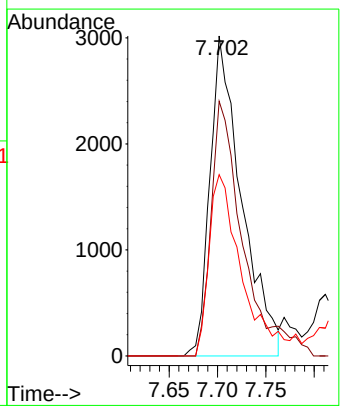


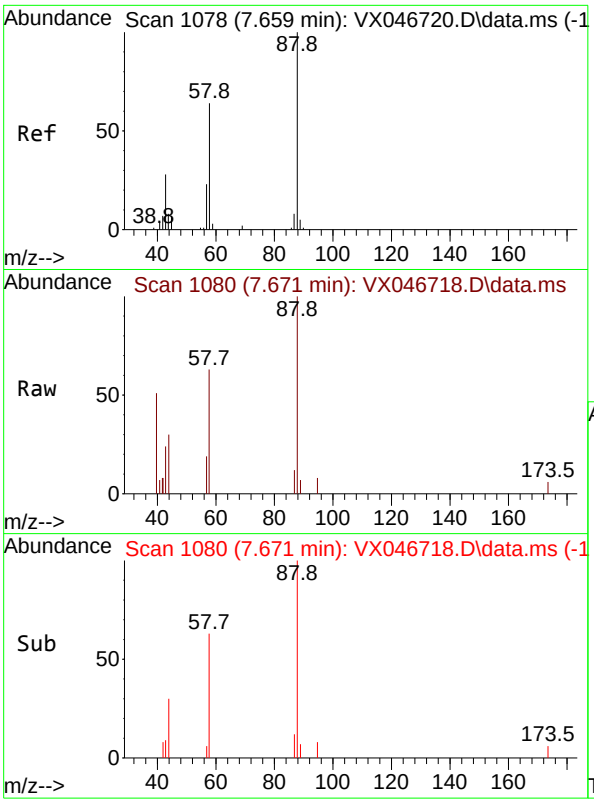




#48
Methyl methacrylate
Concen: 4.571 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 41 Resp: 6864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.8 | 63.4 | 95.2 |
| 39 | 58.5 | 45.4 | 68.0 |



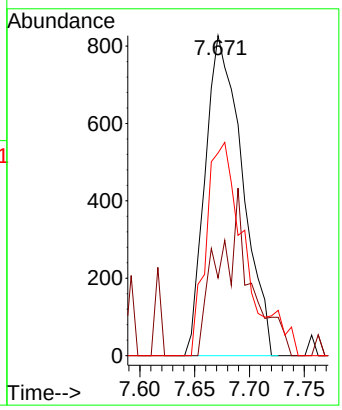


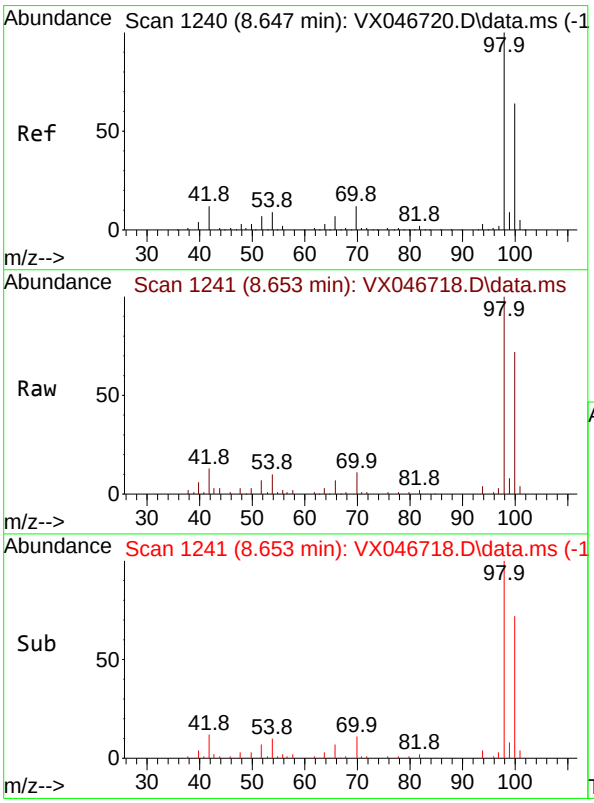

#49
1,4-Dioxane
Concen: 113.091 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 1949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.9 | 31.2 | 46.8 |
| 58 | 70.8 | 54.7 | 82.1 |

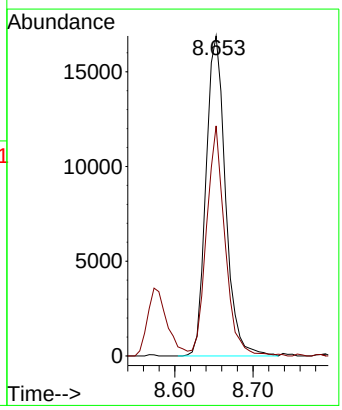


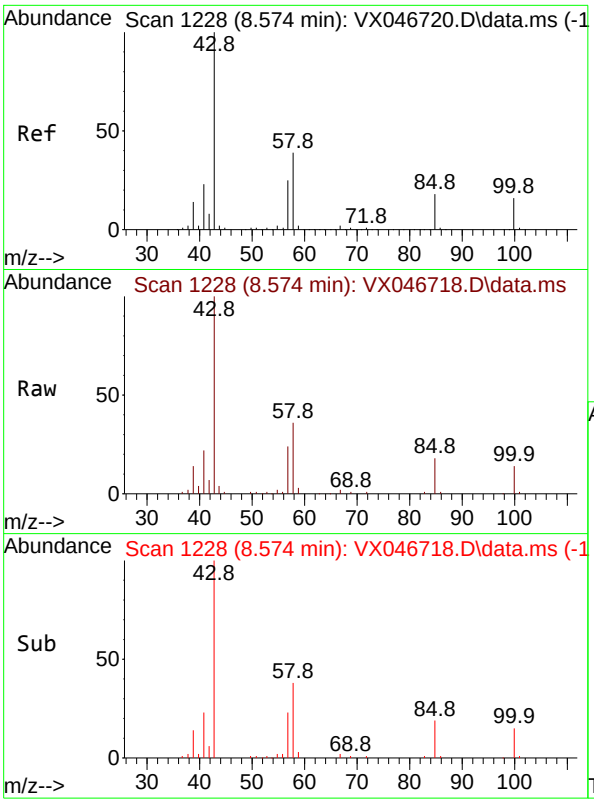




#50
Toluene-d8
Concen: 5.645 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 98 Resp: 29120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.4 | 53.0 | 79.4 |



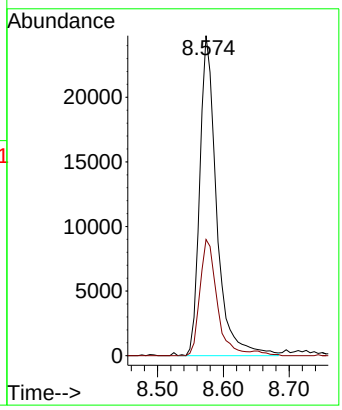


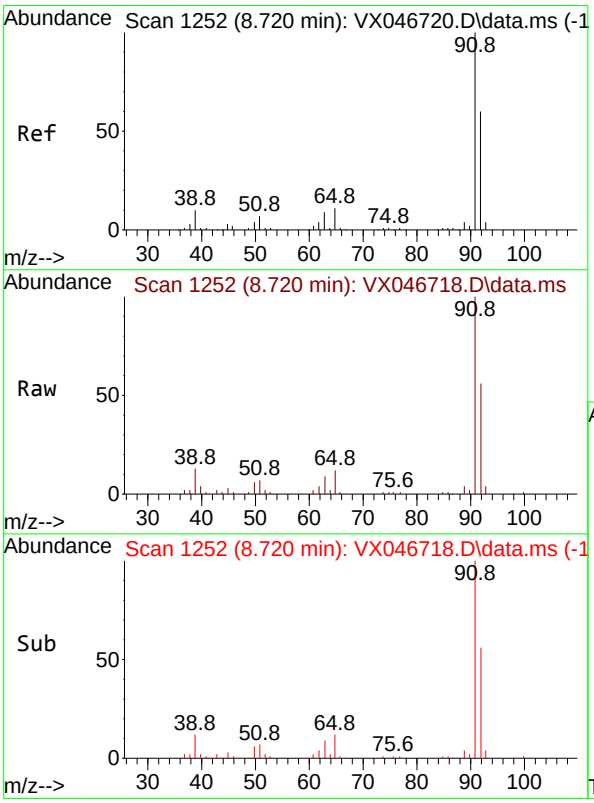

#51
4-Methyl-2-Pentanone
Concen: 24.800 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 44282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.8 | 30.8 | 46.2 |

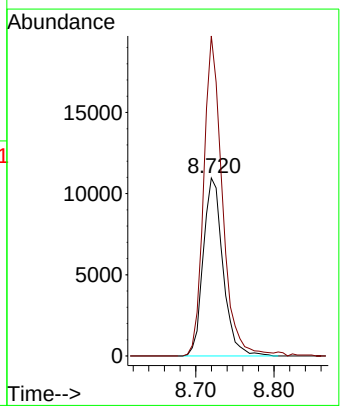


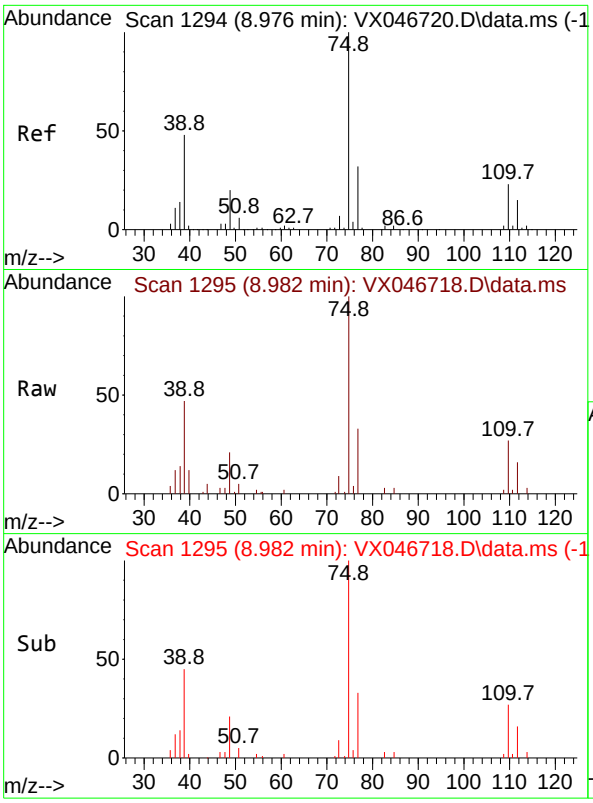




#52
Toluene
Concen: 5.046 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 92 Resp: 19190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.2 | 134.8 | 202.2 |



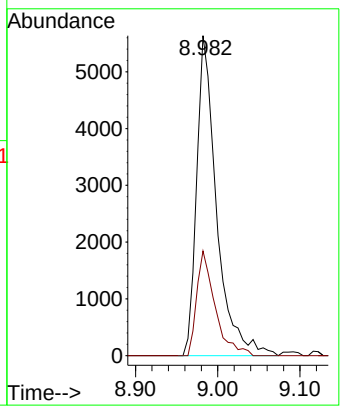


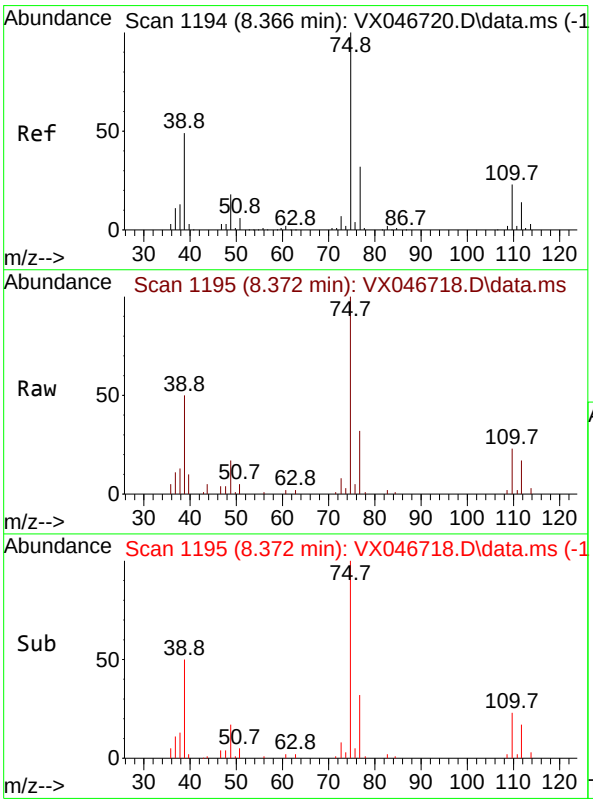

#53
t-1,3-Dichloropropene
Concen: 4.591 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 9497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.6 | 38.4 |

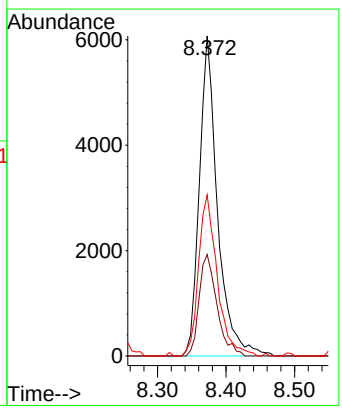


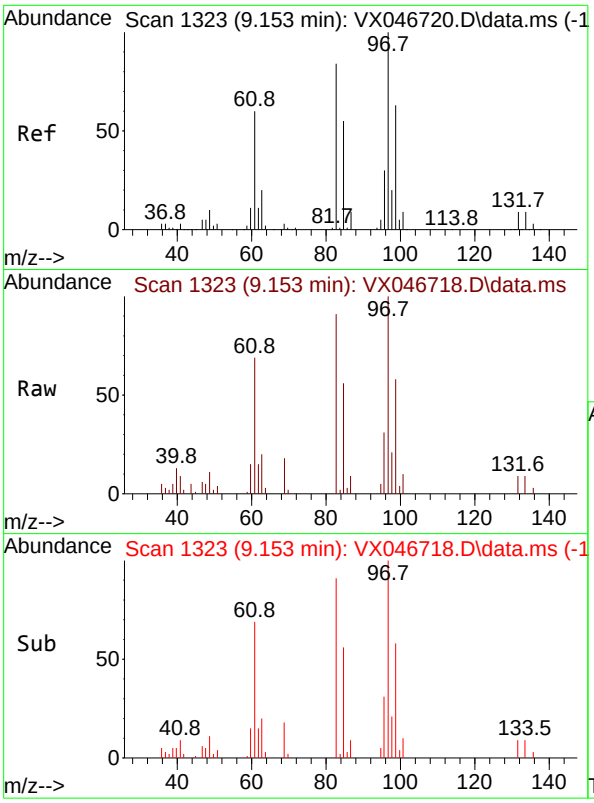




#54
cis-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 11188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.3 | 37.9 |
| 39 | 54.9 | 39.2 | 58.8 |



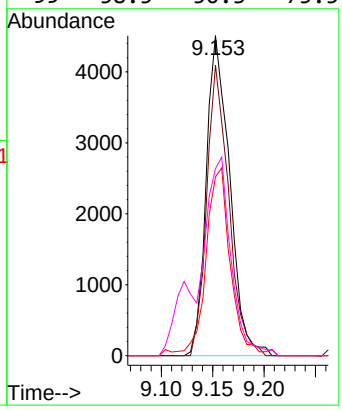


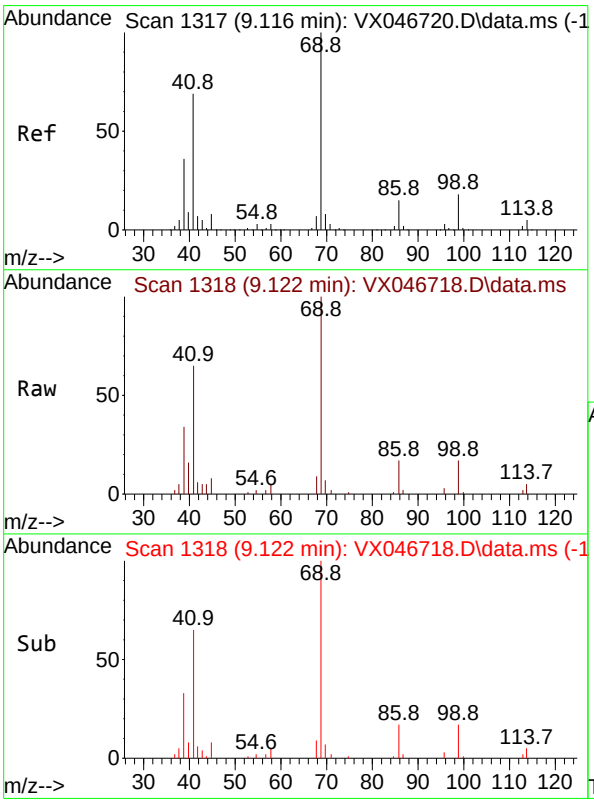

#55
1,1,2-Trichloroethane
Concen: 5.046 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 7151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.8 | 67.2 | 100.8 |
| 85 | 55.8 | 44.1 | 66.1 |
| 99 | 58.5 | 50.3 | 75.5 |

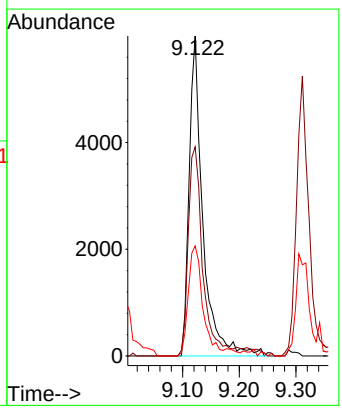


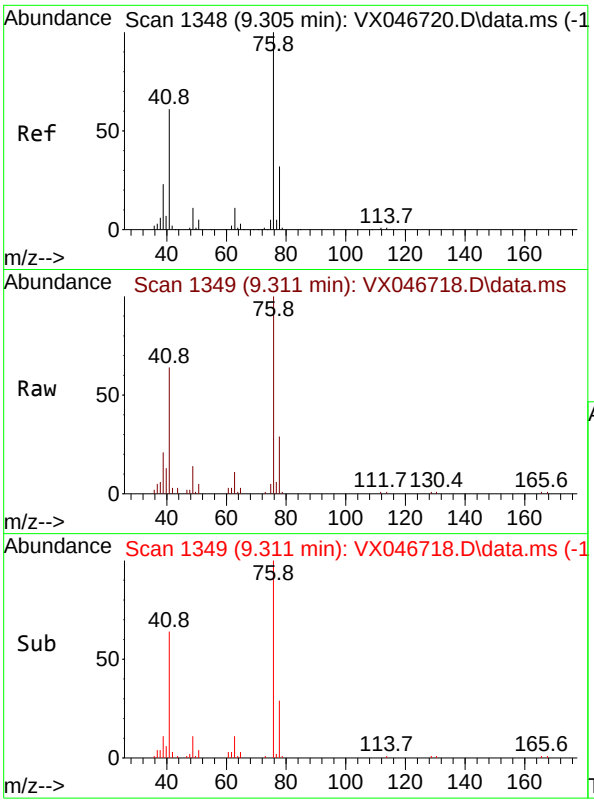




#56
Ethyl methacrylate
Concen: 4.828 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 69 Resp: 10101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.6 | 55.4 | 83.2 |
| 39 | 36.5 | 29.7 | 44.5 |



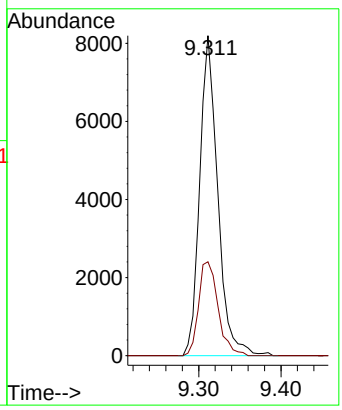


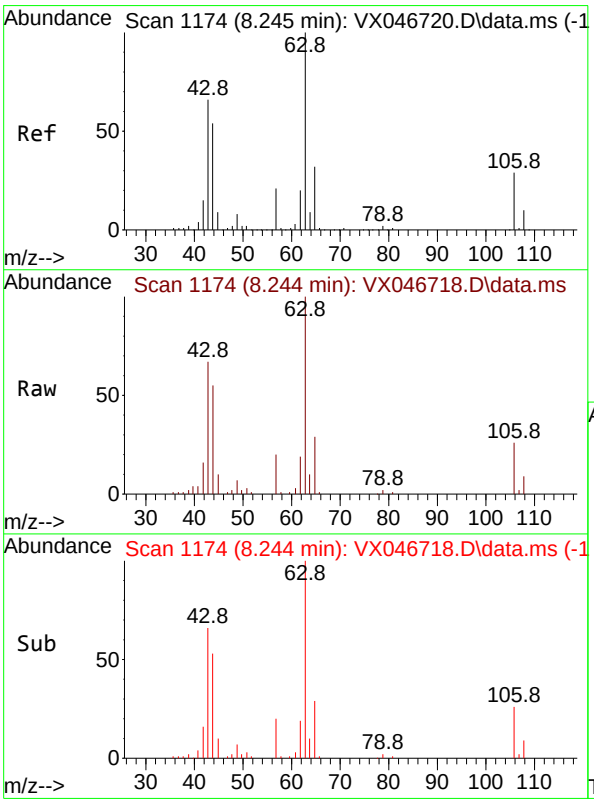

#57
1,3-Dichloropropane
Concen: 5.115 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 12483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 25.7 | 38.5 |

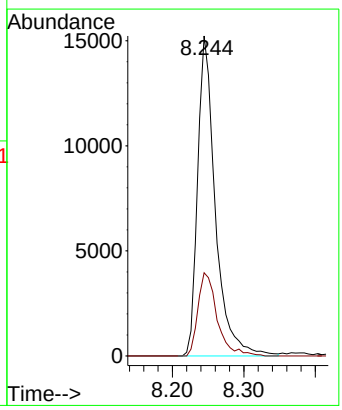


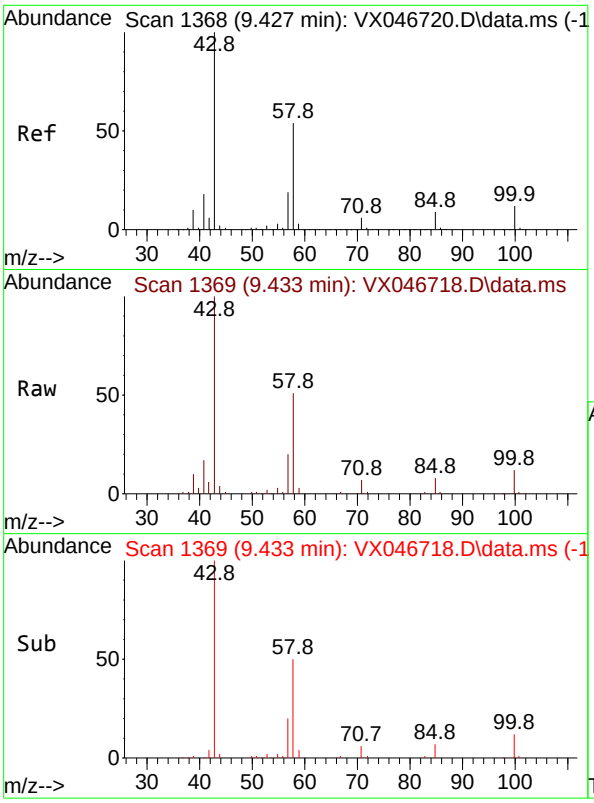




#58
2-Chloroethyl Vinyl ether
Concen: 24.071 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 63 Resp: 26158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |



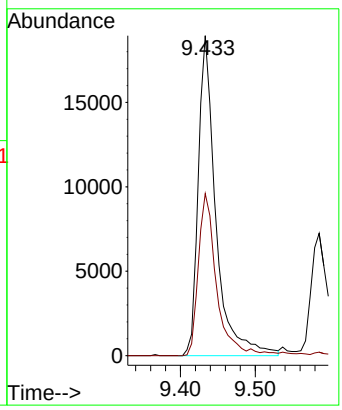


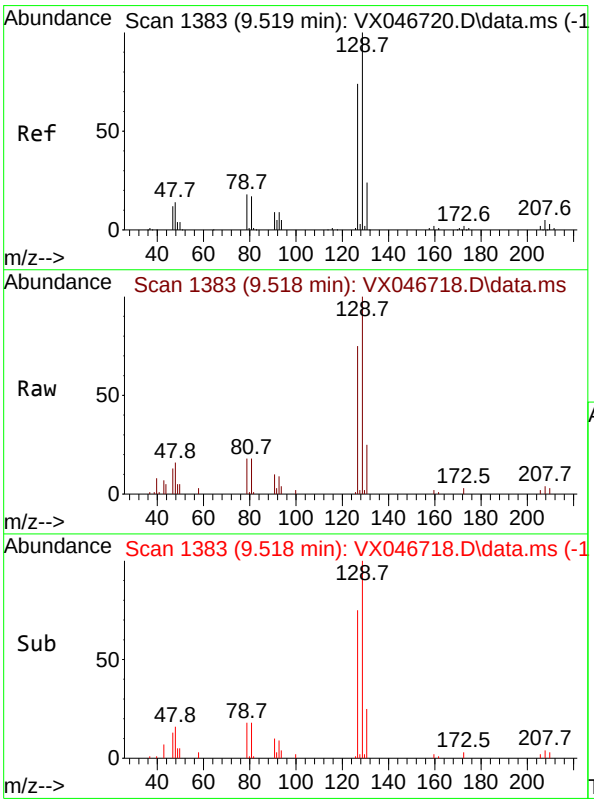

#59
2-Hexanone
Concen: 25.062 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 30938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 26.8 | 80.4 |

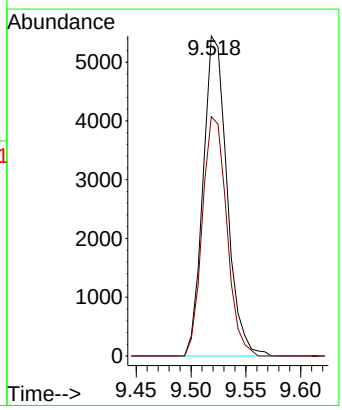


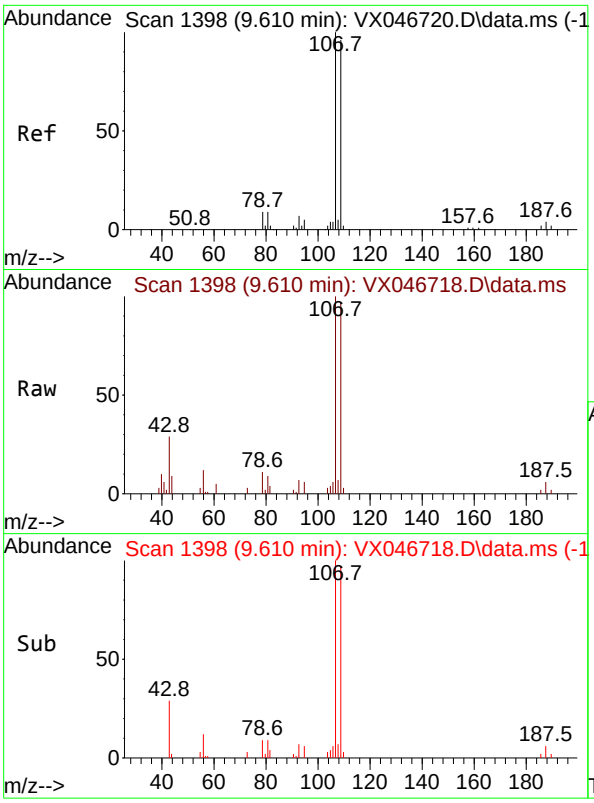




#60
Dibromochloromethane
Concen: 4.939 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:129 Resp: 8249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 38.4 | 115.2 |



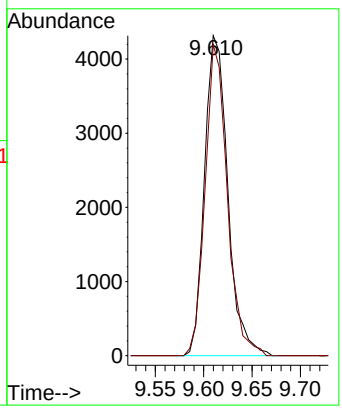


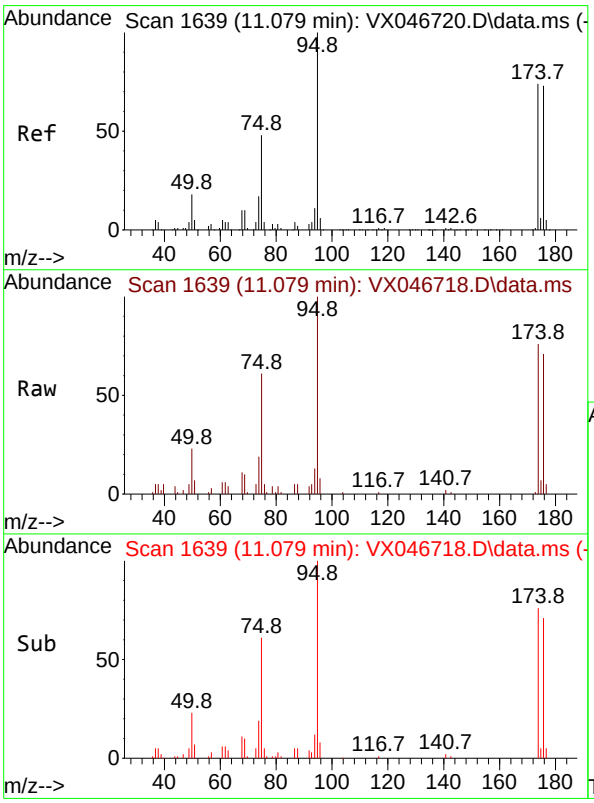

#61
1,2-Dibromoethane
Concen: 5.009 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 7221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 75.8 | 113.6 |

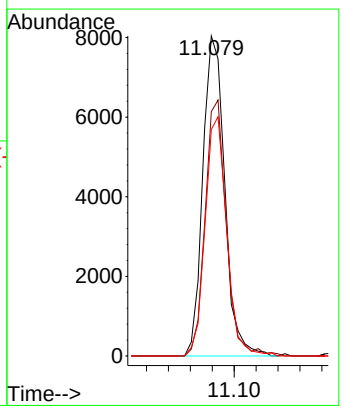


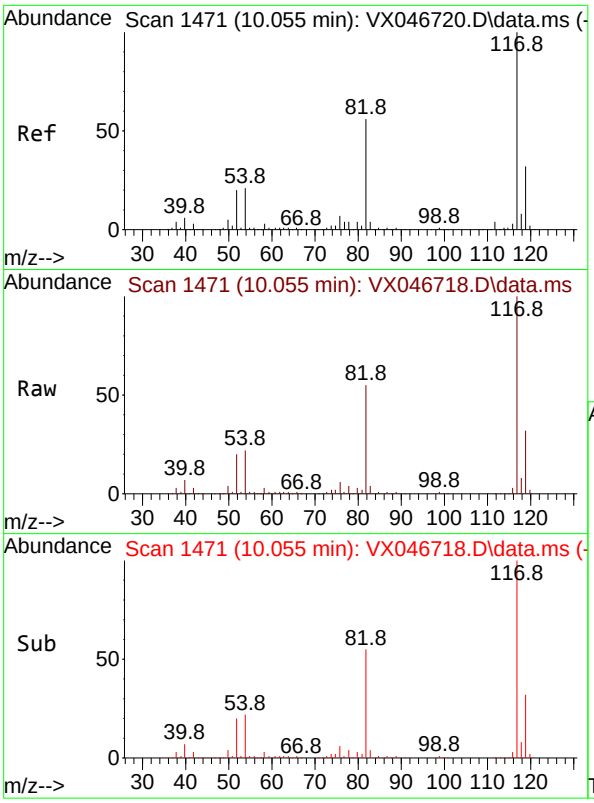




#62
4-Bromofluorobenzene
Concen: 5.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 95 Resp: 11137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.4 | 0.0 | 150.4 |
| 176 | 73.9 | 0.0 | 145.0 |



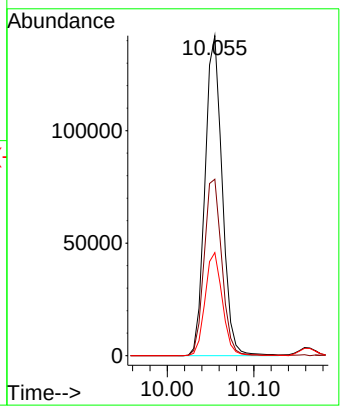


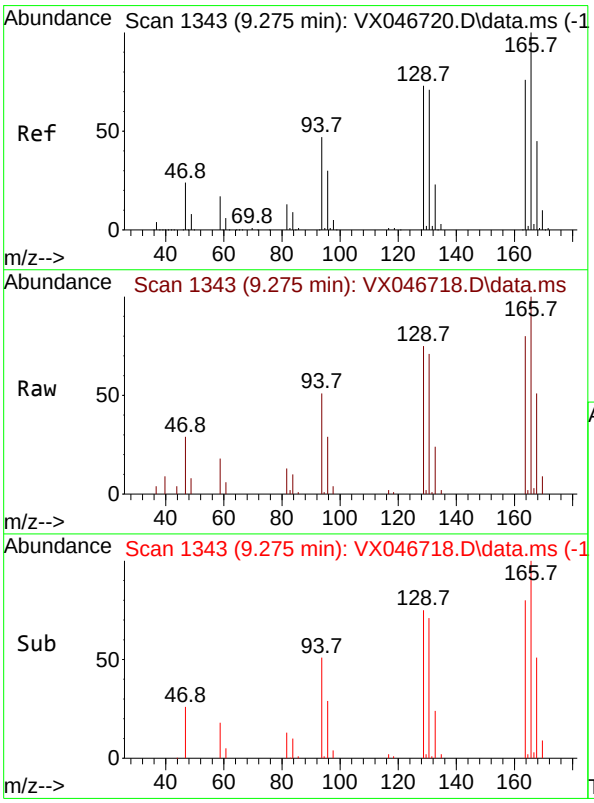

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 195782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 44.6 | 66.8 |
| 119 | 32.2 | 25.8 | 38.8 |

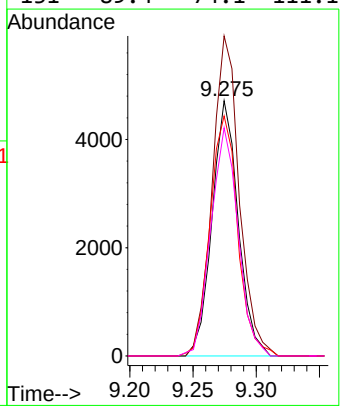


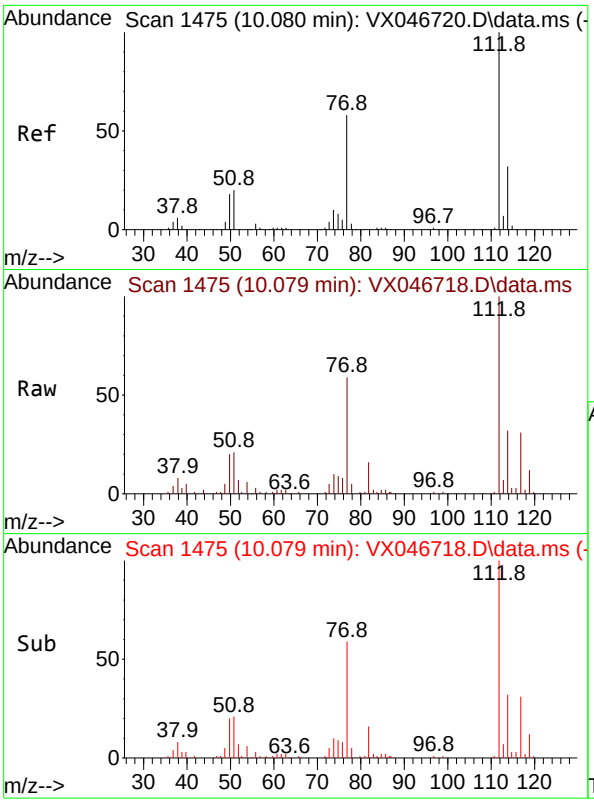




#64
Tetrachloroethene
Concen: 4.980 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:164 Resp: 6755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 104.6 | 157.0 |
| 129 | 94.1 | 76.3 | 114.5 |
| 131 | 89.4 | 74.1 | 111.1 |



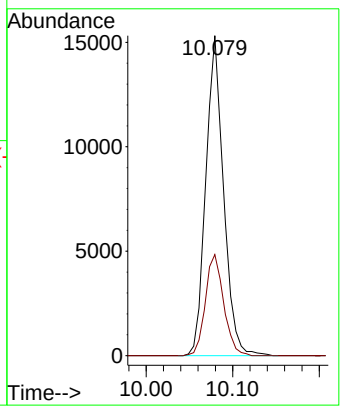


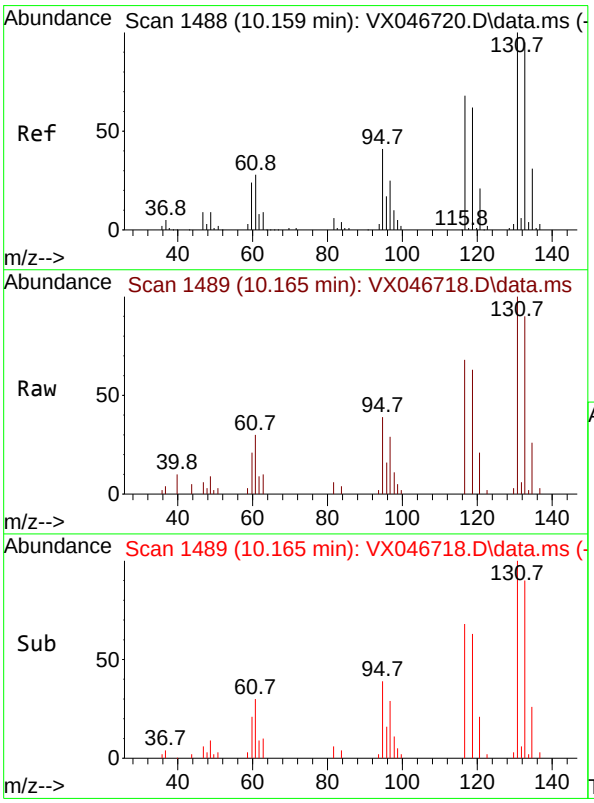

#65
Chlorobenzene
Concen: 5.046 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 21807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 25.5 | 38.3 |

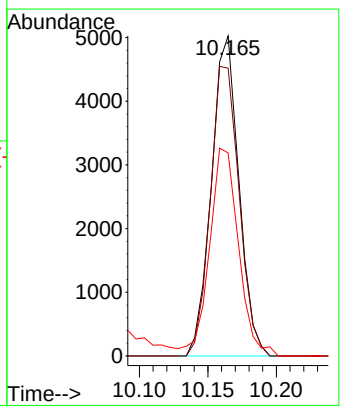


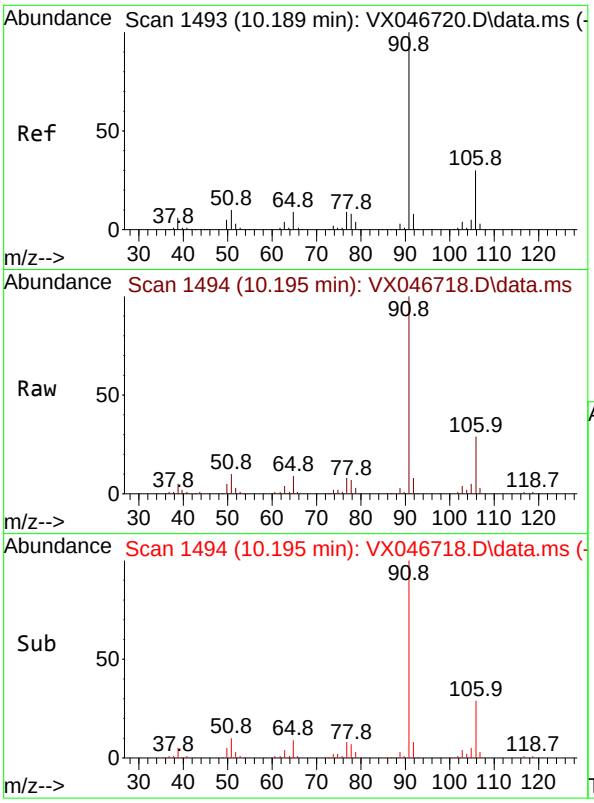




#66
1,1,1,2-Tetrachloroethane
Concen: 4.823 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:131 Resp: 7006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 141.8 |
| 119 | 68.5 | 32.1 | 96.3 |



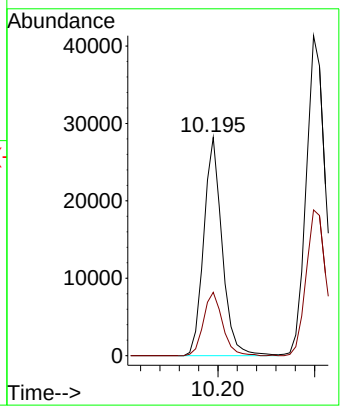


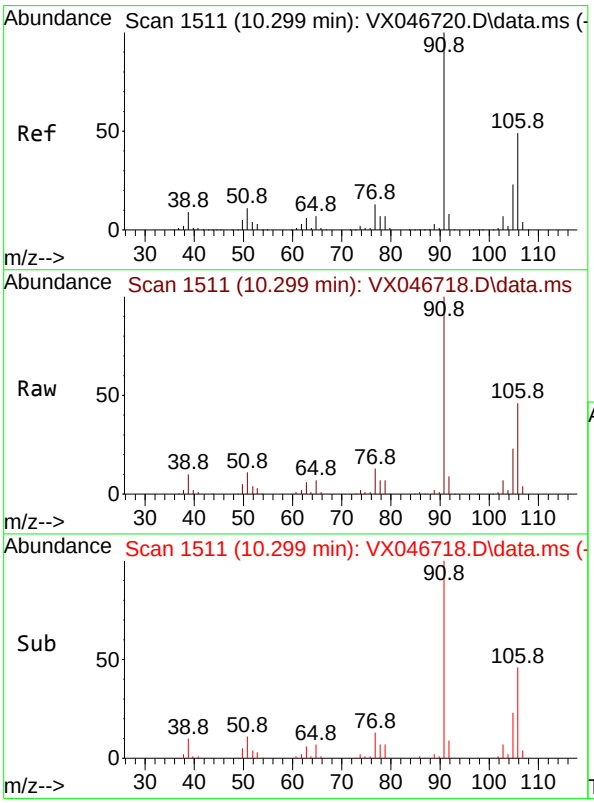

#67
Ethyl Benzene
Concen: 4.939 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 37295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 24.2 | 36.2 |

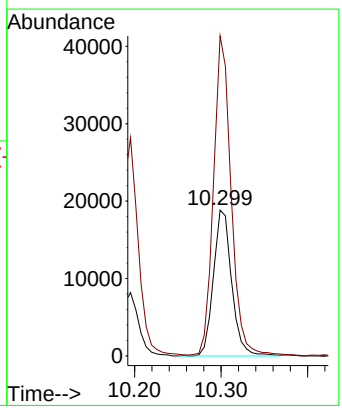


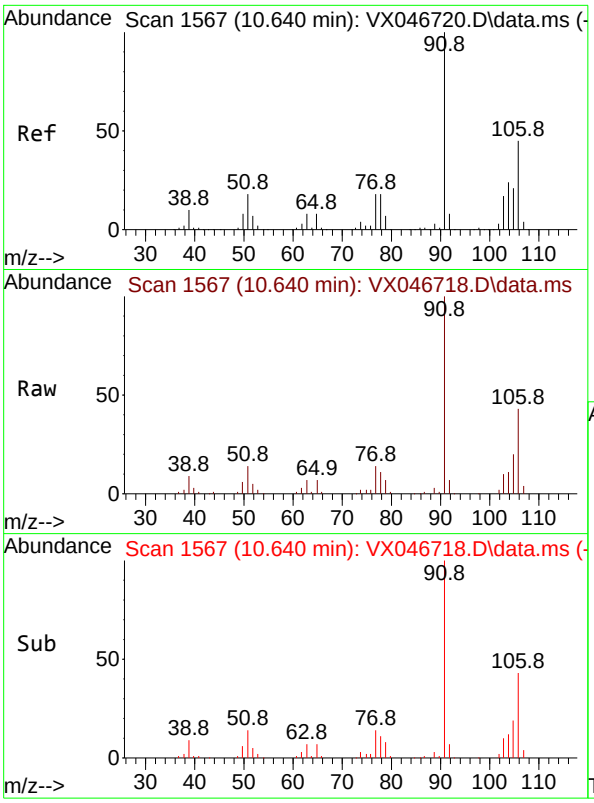




#68
m/p-Xylenes
Concen: 9.812 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:106 Resp: 27609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.5 | 164.8 | 247.2 |



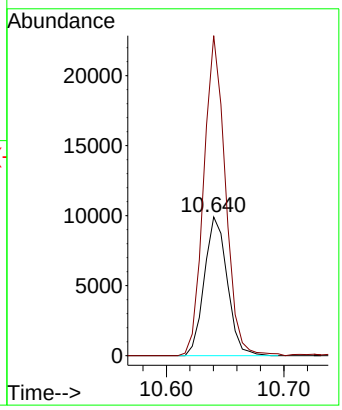


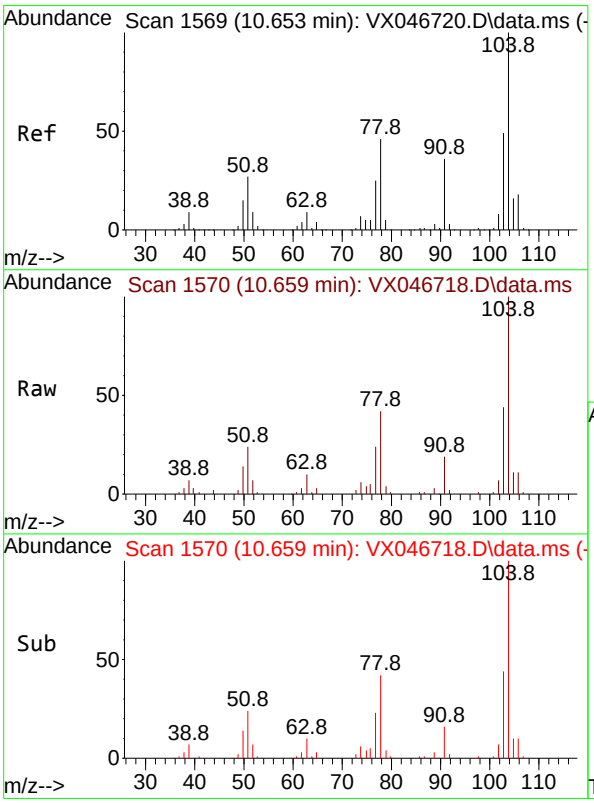

#69
o-Xylene
Concen: 5.090 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 13421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.1 | 111.3 | 333.9 |

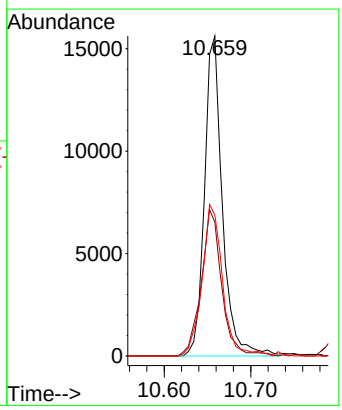


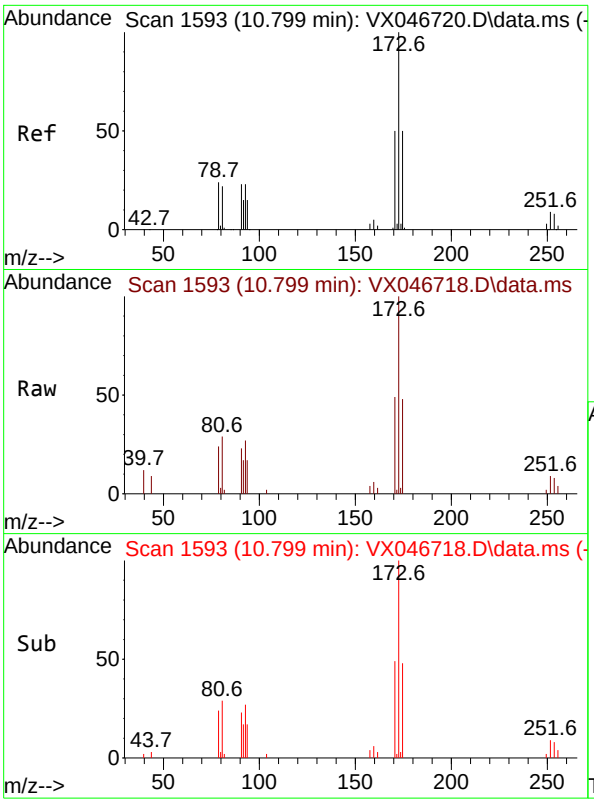




#70
Styrene
Concen: 4.855 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:104 Resp: 22403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 41.4 | 62.2 |
| 103 | 54.0 | 43.1 | 64.7 |



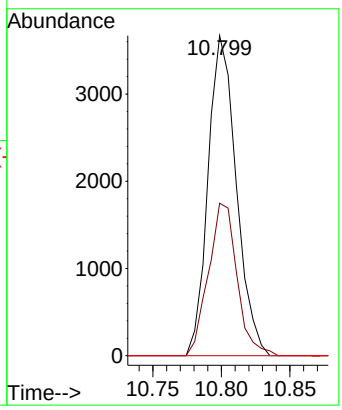


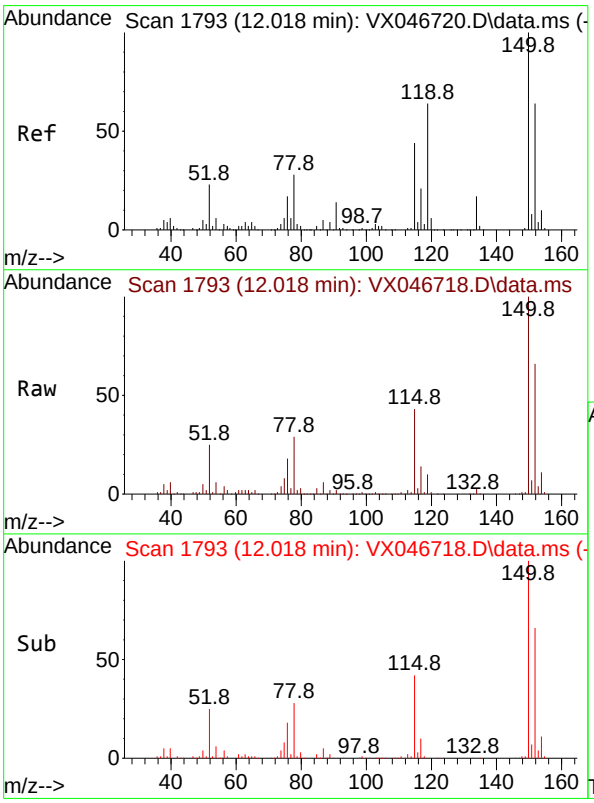

#71
Bromoform
Concen: 4.744 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 5248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

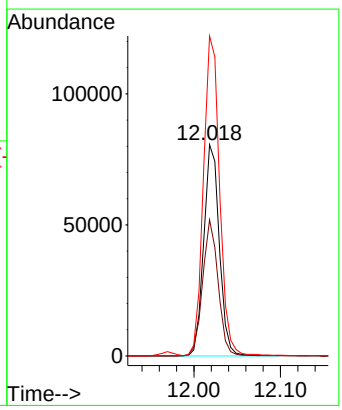


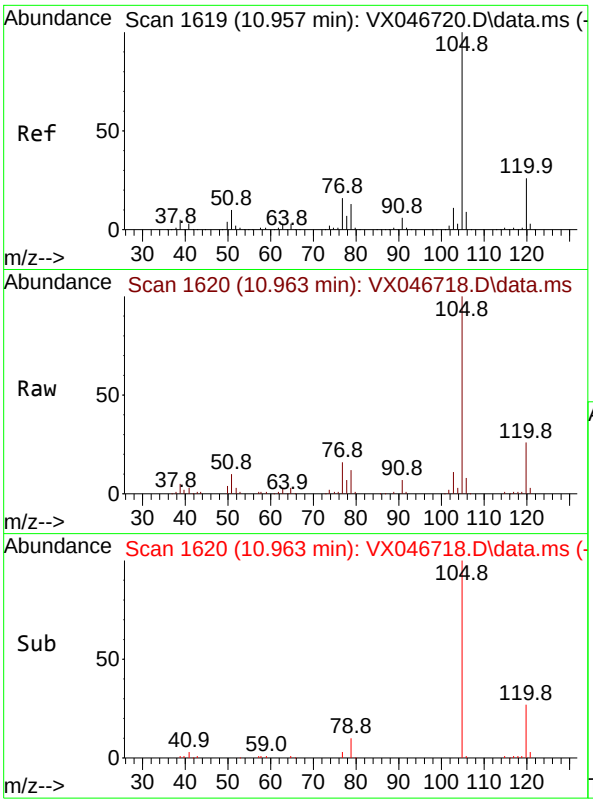




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:152 Resp: 100990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.0 | 43.2 | 129.6 |
| 150 | 156.3 | 0.0 | 346.8 |



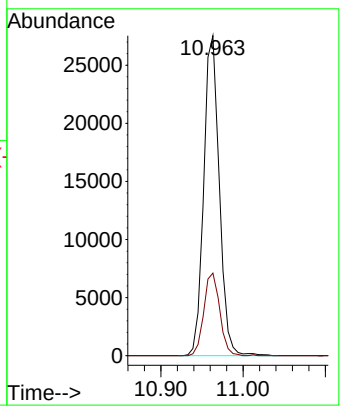


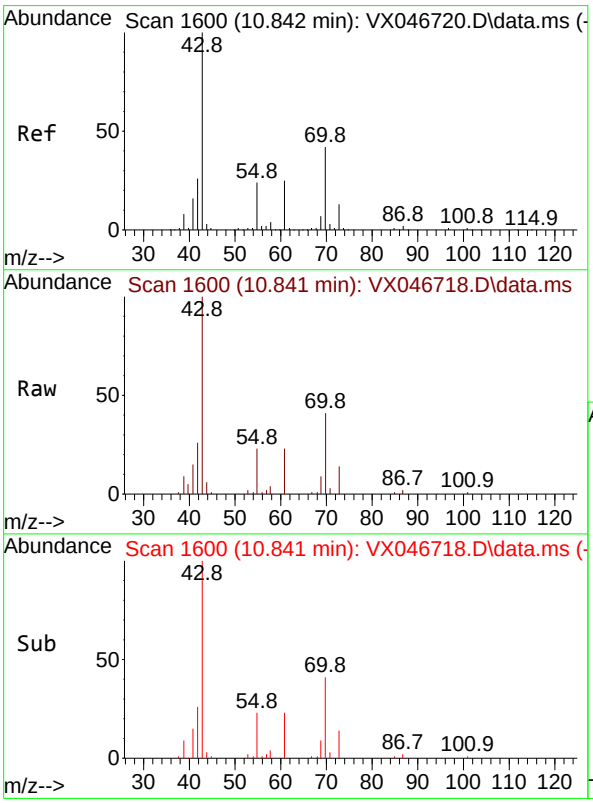

#73
Isopropylbenzene
Concen: 4.878 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 36281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |

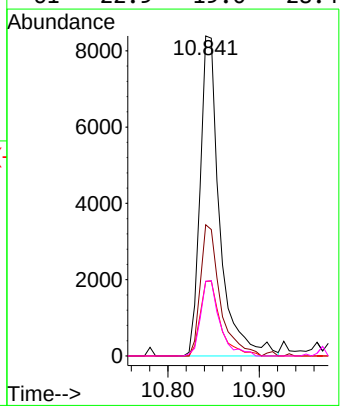


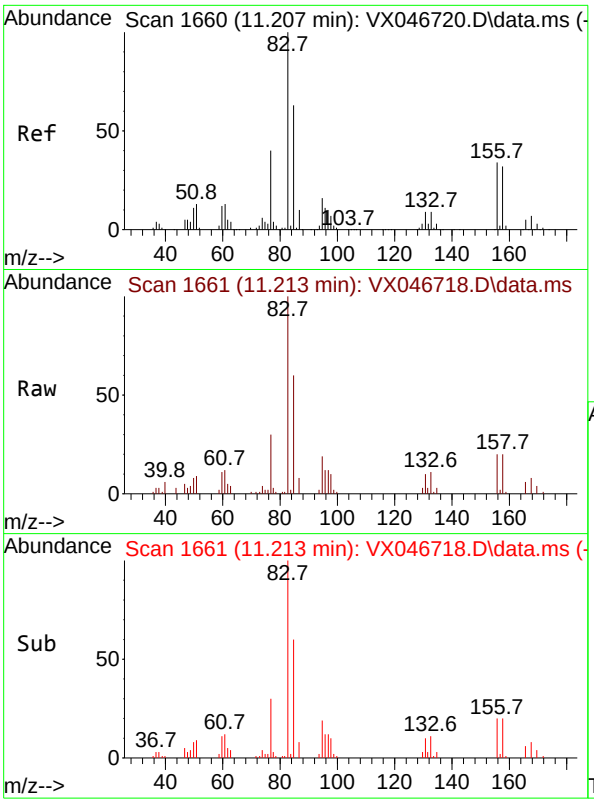




#74
N-amyl acetate
Concen: 4.434 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 43 Resp: 12496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 22.9 | 19.0 | 28.4 |



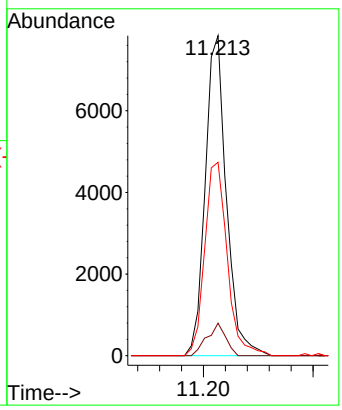


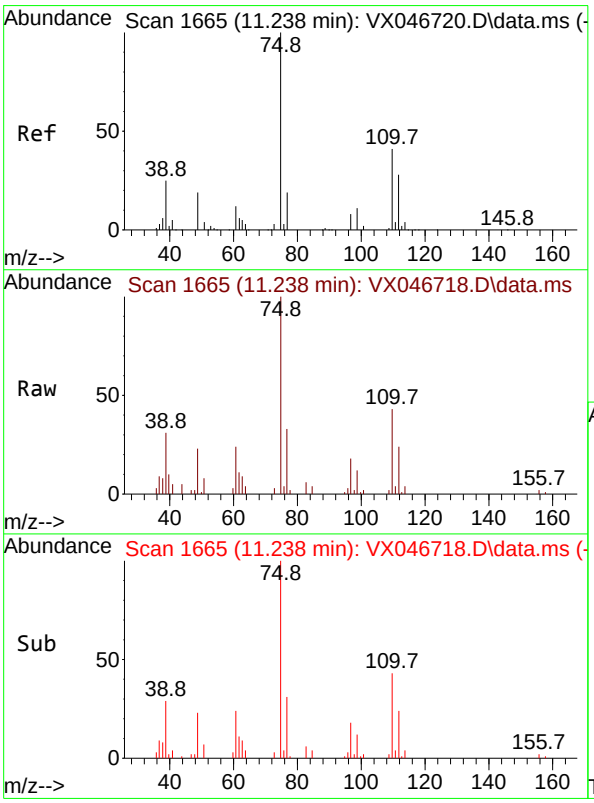

#75
1,1,2,2-Tetrachloroethane
Concen: 5.040 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 10468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.0 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |

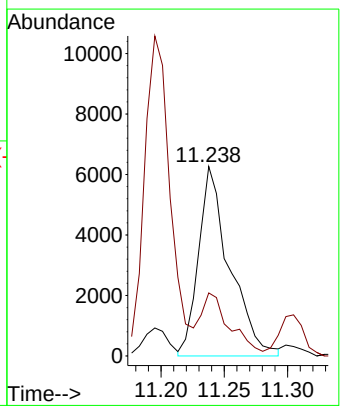


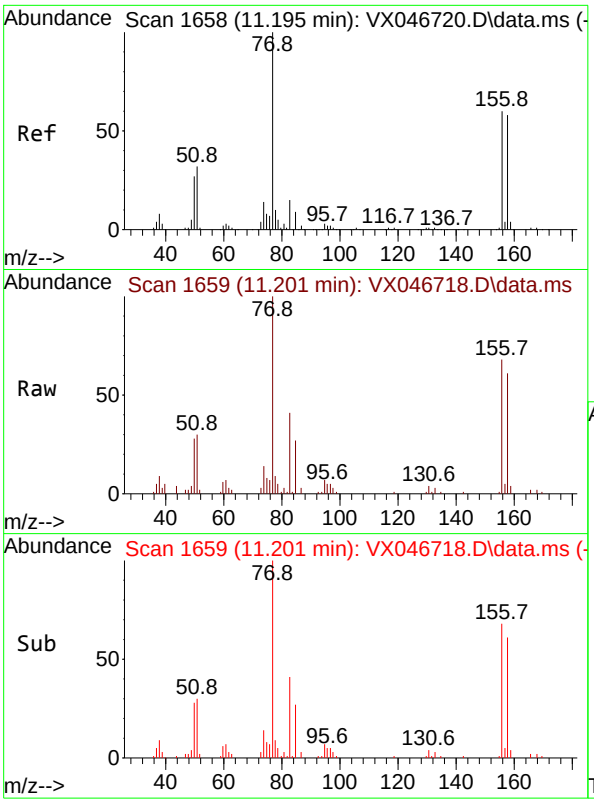




#76
1,2,3-Trichloropropane
Concen: 5.236 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 10741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 18.5 | 55.5 |



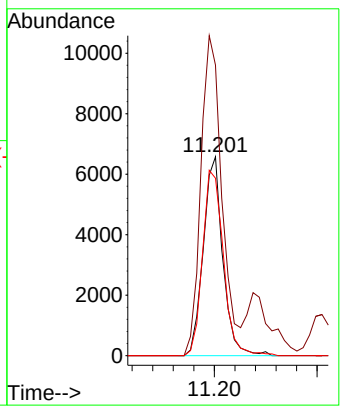


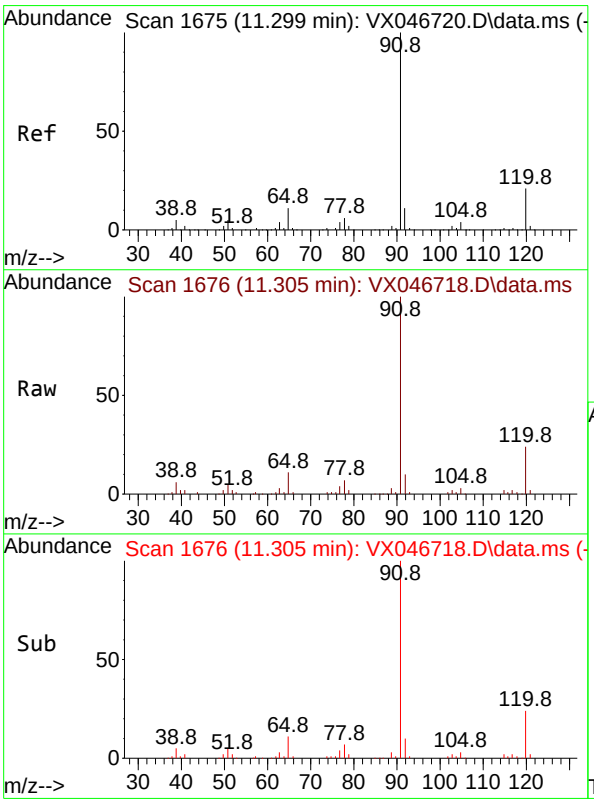

#77
Bromobenzene
Concen: 4.857 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 8694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.3 | 82.8 | 248.6 |
| 158 | 99.4 | 47.6 | 142.9 |

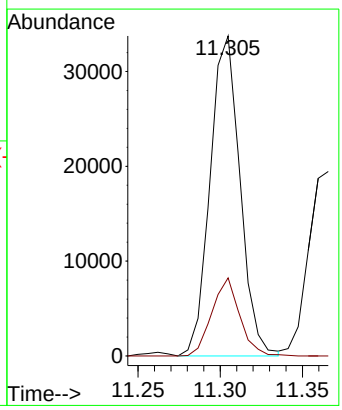


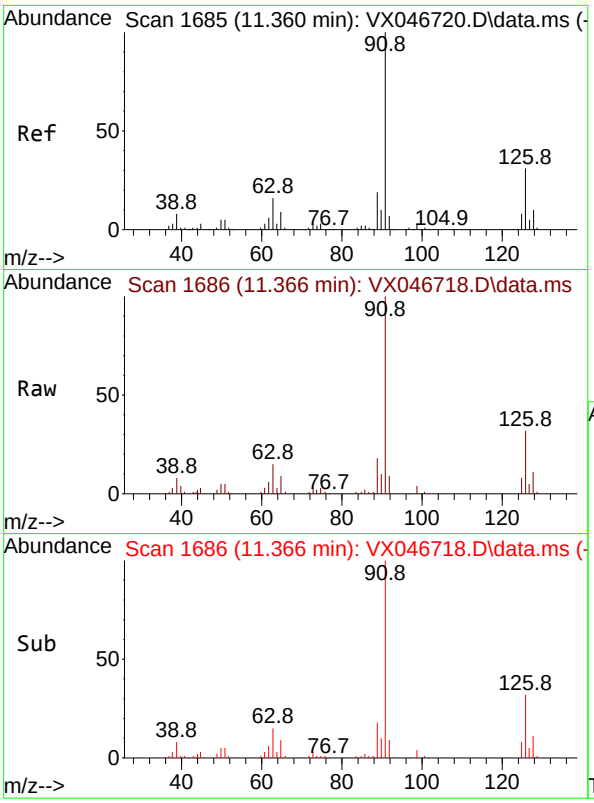




#78
n-propylbenzene
Concen: 4.850 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 91 Resp: 42848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |



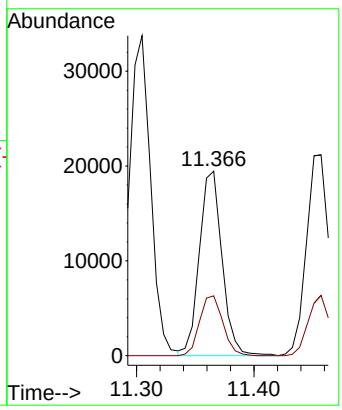


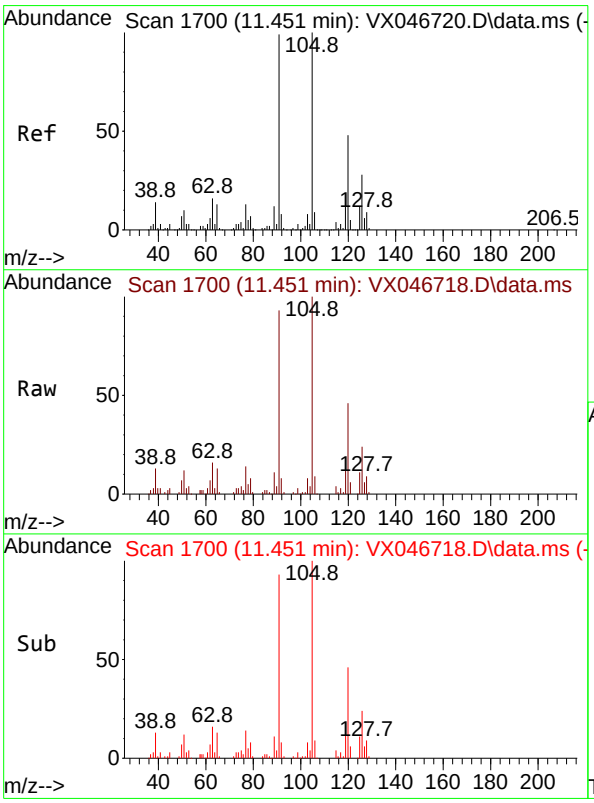

#79
2-Chlorotoluene
Concen: 4.971 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 26221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.6 | 49.7 |

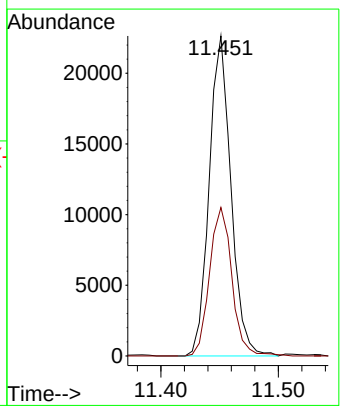


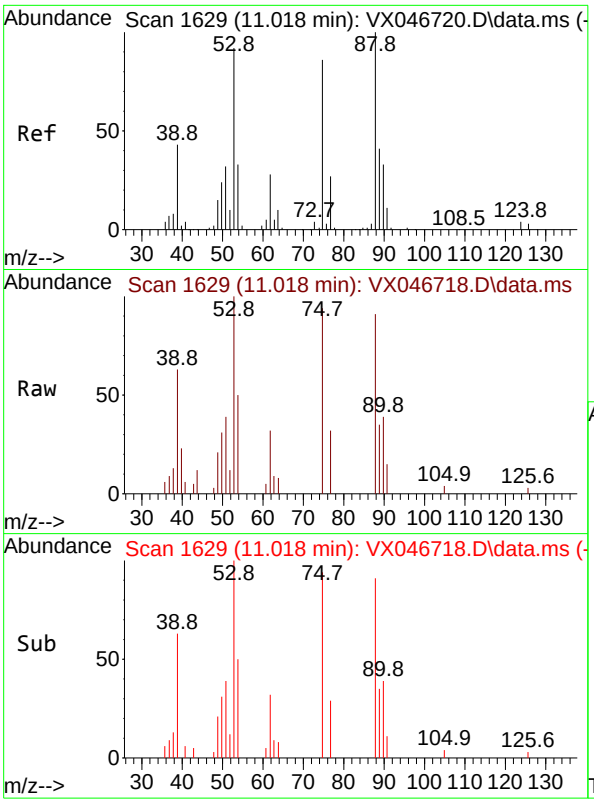




#80
1,3,5-Trimethylbenzene
Concen: 4.772 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 29167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.1 | 72.2 |



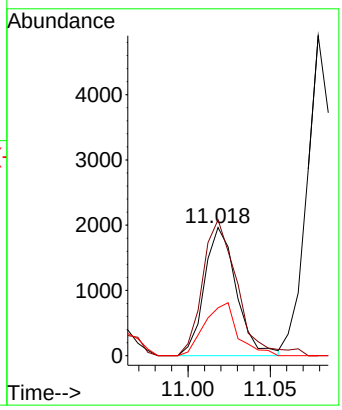


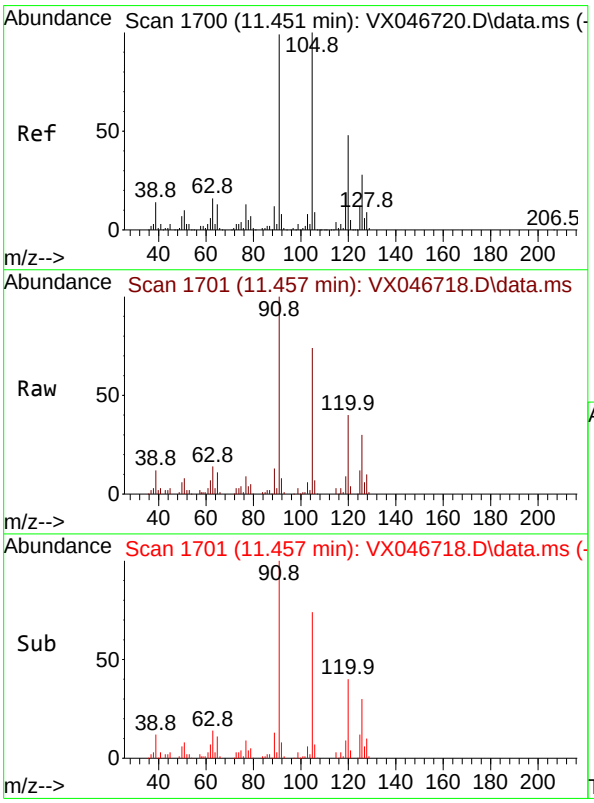

#81
trans-1,4-Dichloro-2-butene
Concen: 4.070 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 2663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.8 | 86.8 | 130.2 |
| 89 | 42.7 | 36.9 | 55.3 |

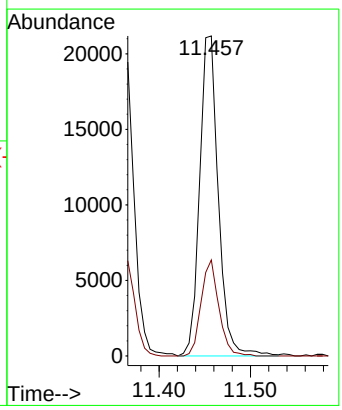


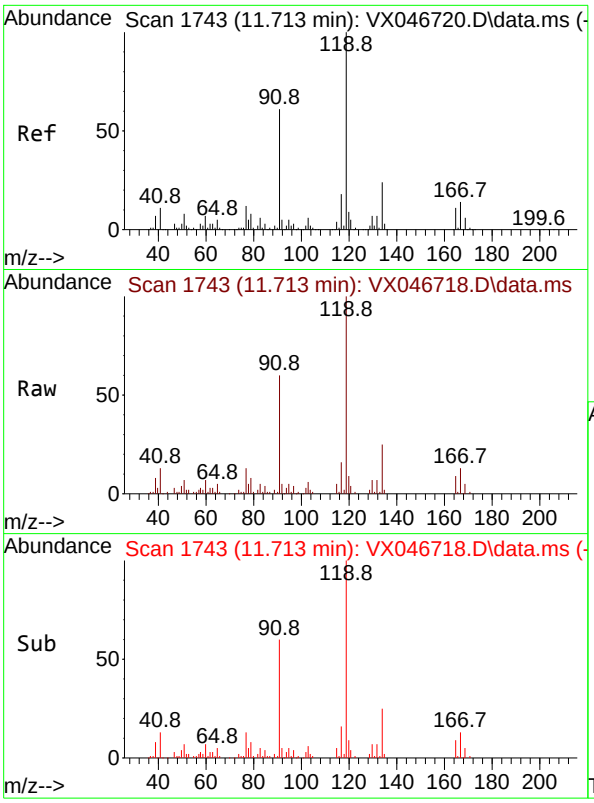




#82
4-Chlorotoluene
Concen: 4.889 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 91 Resp: 30097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.4 | 14.4 | 43.2 |



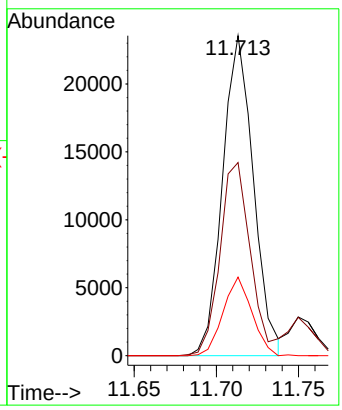


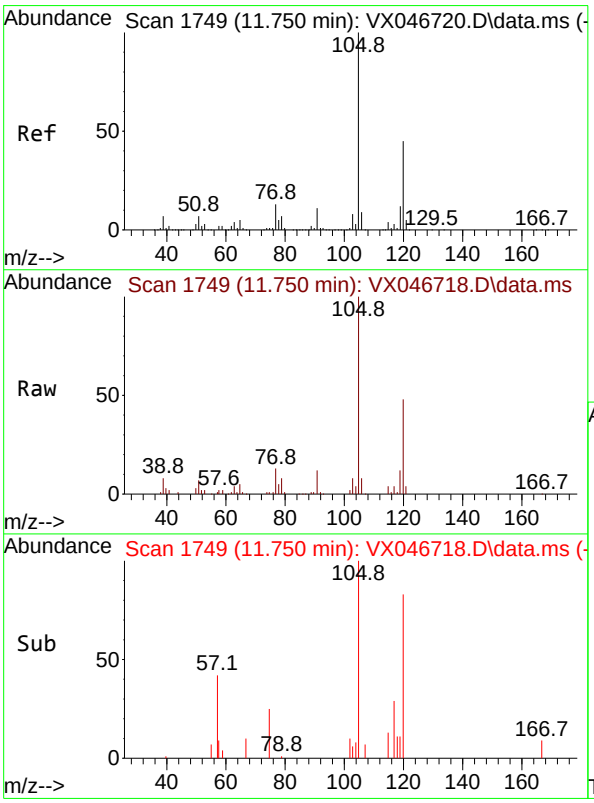

#83
tert-Butylbenzene
Concen: 4.864 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 30728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.3 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |

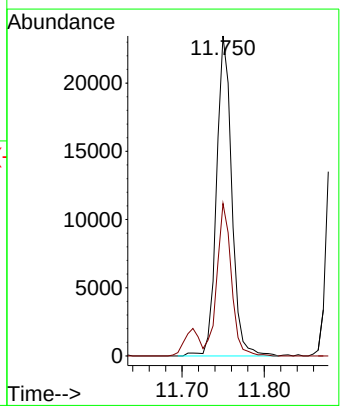


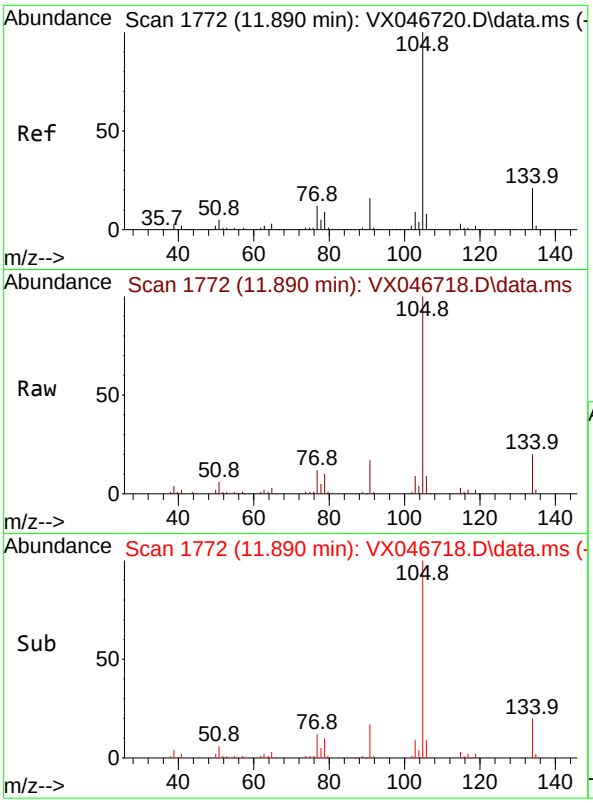




#84
1,2,4-Trimethylbenzene
Concen: 4.920 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:105 Resp: 30213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 22.1 | 66.3 |



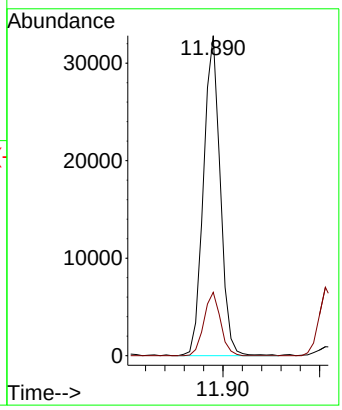


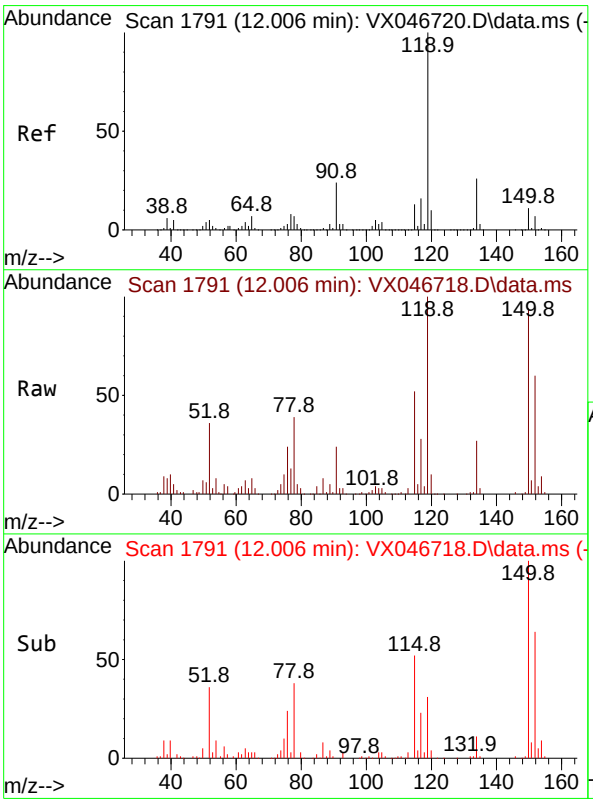

#85
sec-Butylbenzene
Concen: 4.958 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 39588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |

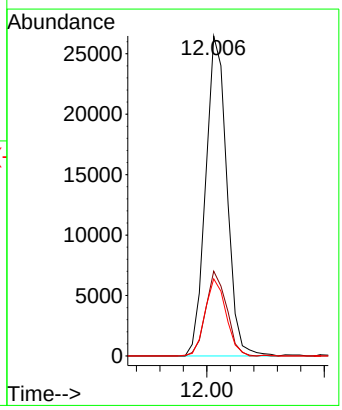


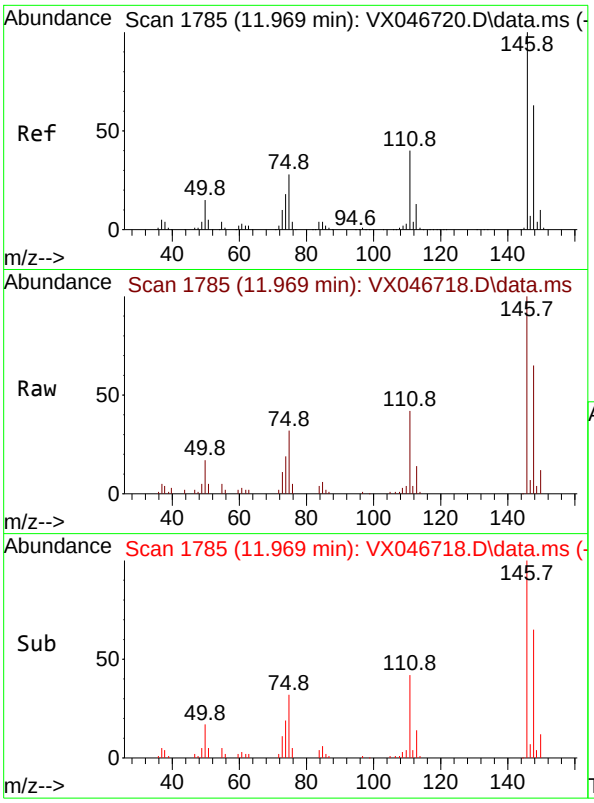




#86
p-Isopropyltoluene
Concen: 4.909 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:119 Resp: 33076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 23.9 | 12.3 | 36.9 |



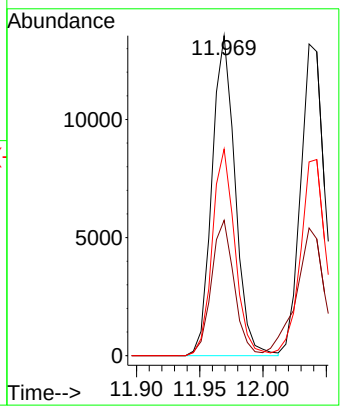


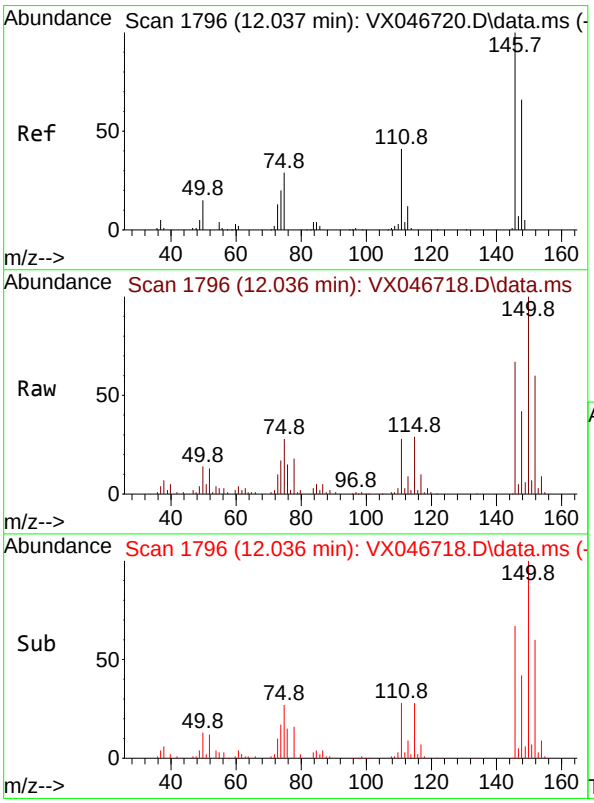

#87
1,3-Dichlorobenzene
Concen: 4.928 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 17198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.6 | 61.8 |
| 148 | 63.3 | 31.6 | 94.8 |

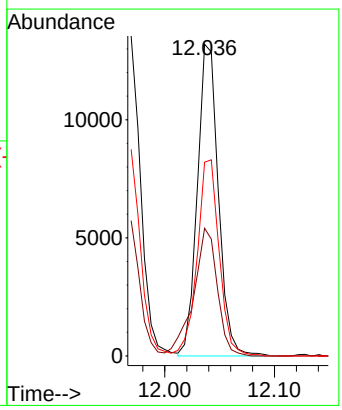


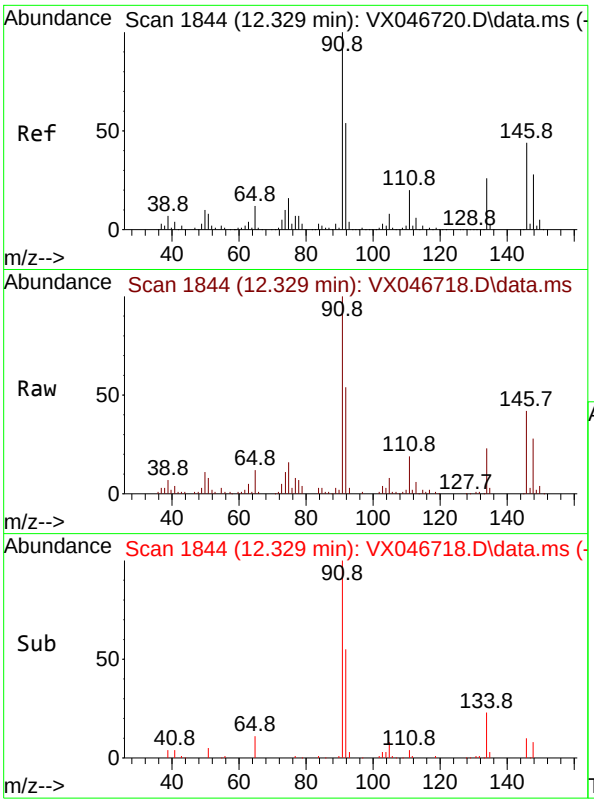




#88
1,4-Dichlorobenzene
Concen: 4.910 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:146 Resp: 17600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 20.3 | 61.0 |
| 148 | 66.0 | 32.1 | 96.5 |



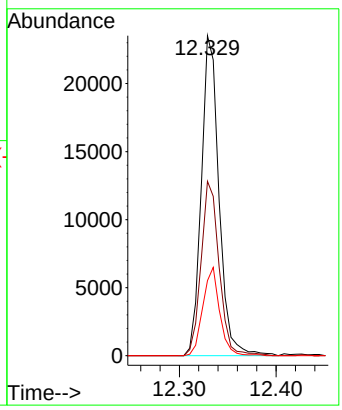


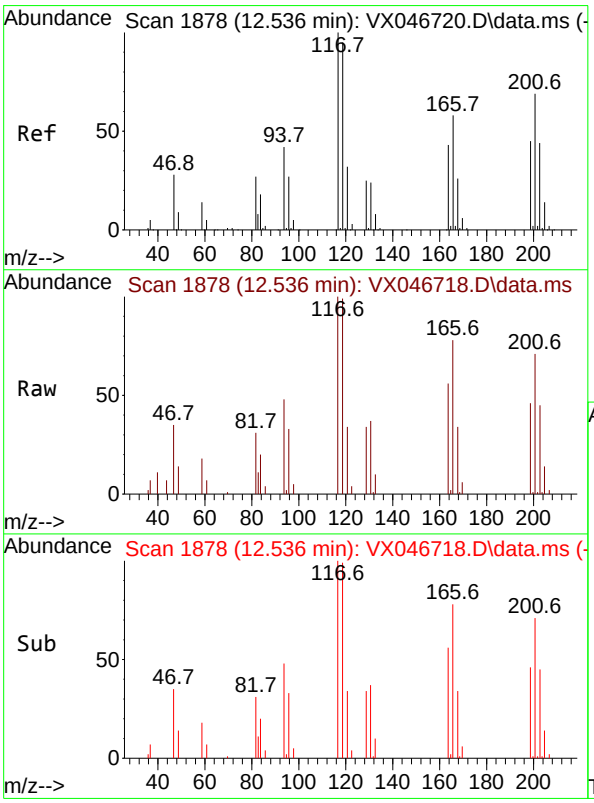

#89
n-Butylbenzene
Concen: 4.688 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 29990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.6 | 27.1 | 81.3 |
| 134 | 26.3 | 12.9 | 38.6 |

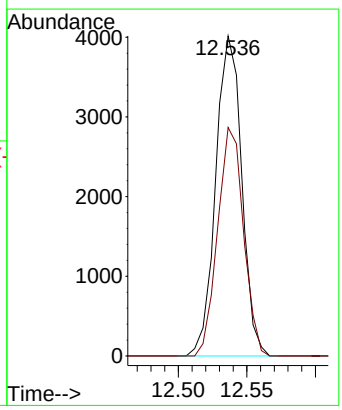


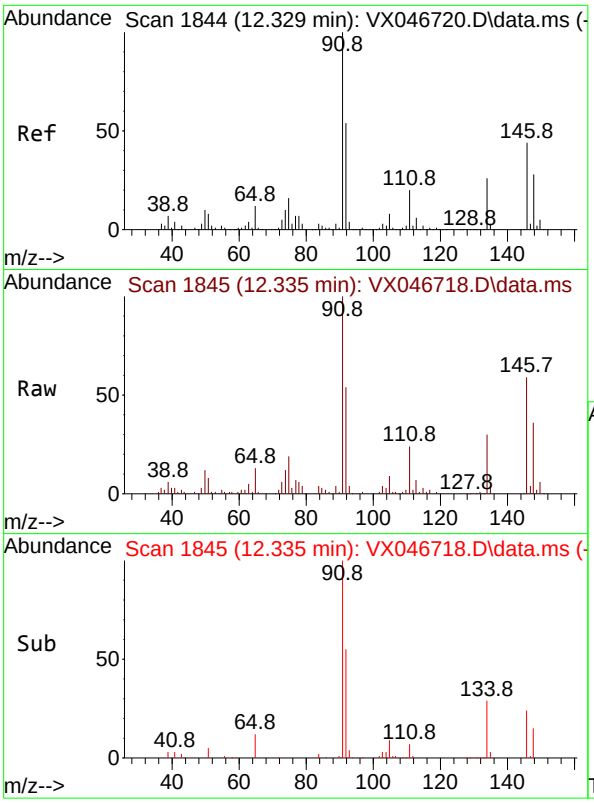




#90
Hexachloroethane
Concen: 4.480 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:117 Resp: 5285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.1 | 34.4 | 103.3 |



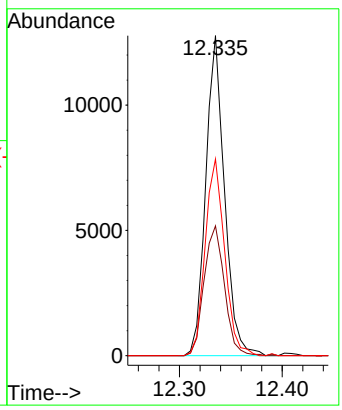


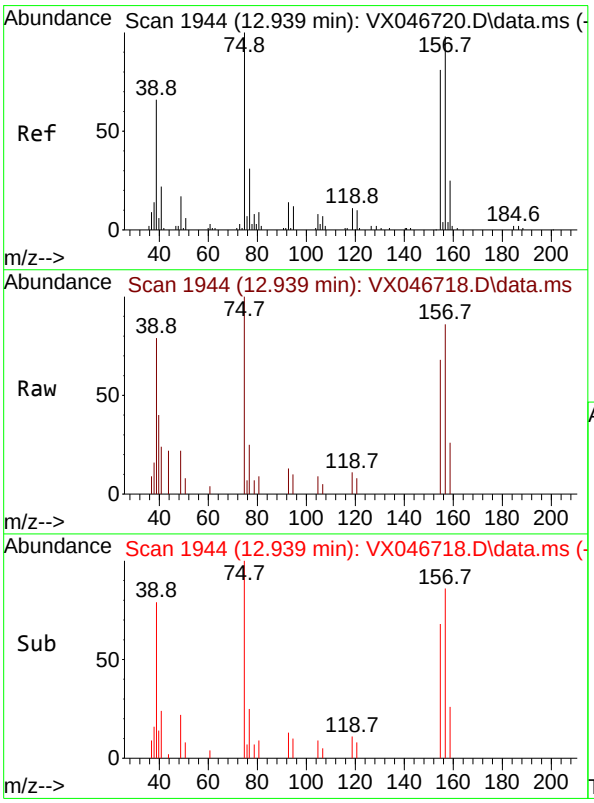

#91
1,2-Dichlorobenzene
Concen: 4.968 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 16203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.7 | 65.1 |
| 148 | 64.0 | 32.0 | 96.2 |

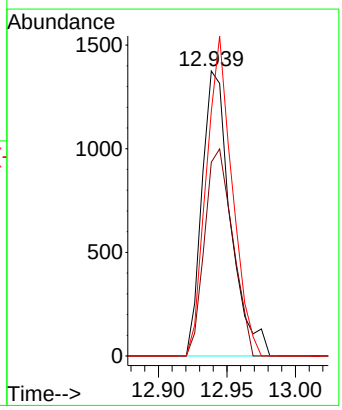


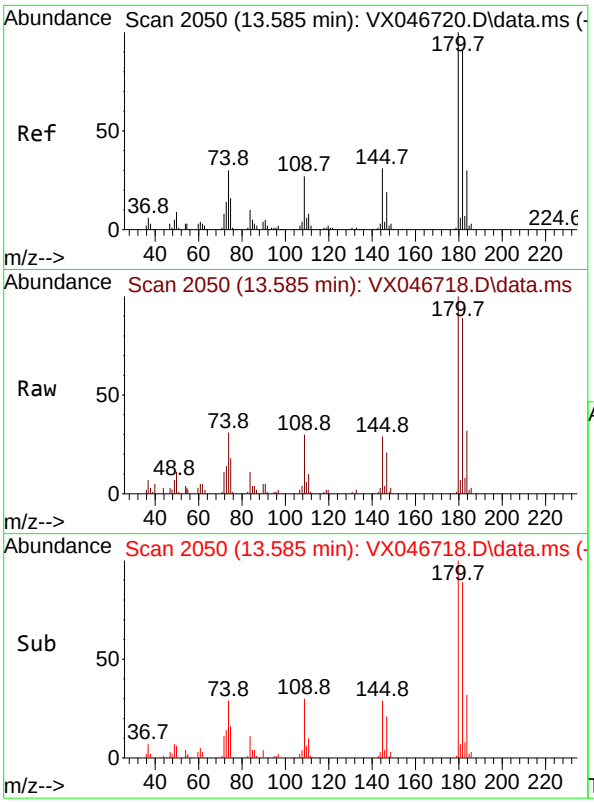




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.834 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion: 75 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.2 | 41.9 | 125.7 |
| 157 | 102.4 | 51.4 | 154.3 |



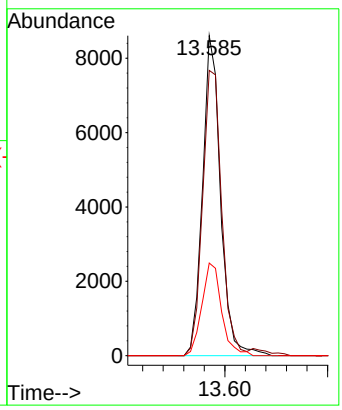


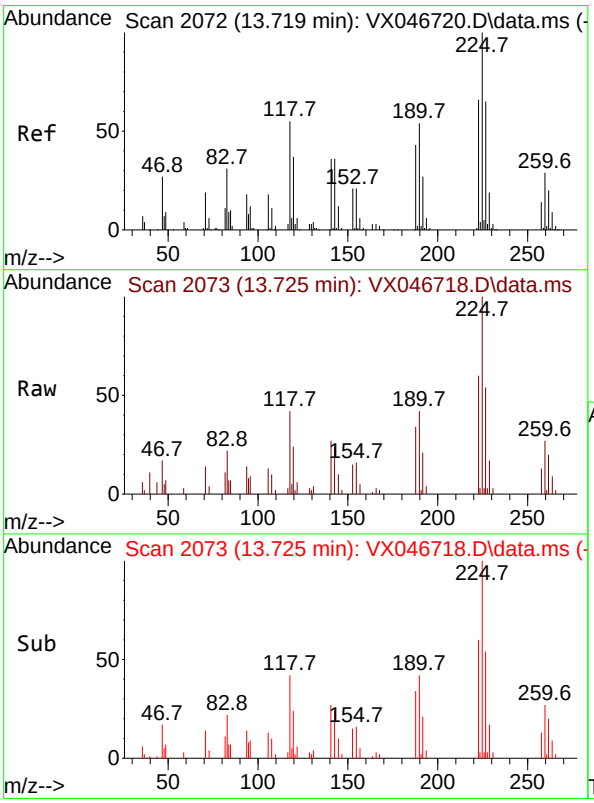

#93
1,2,4-Trichlorobenzene
Concen: 4.532 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 10507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |

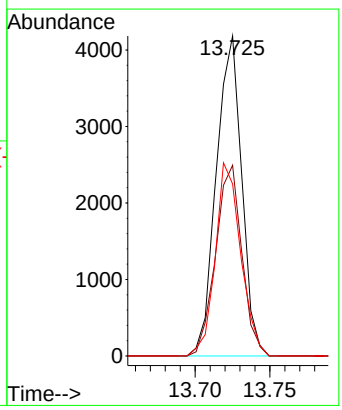


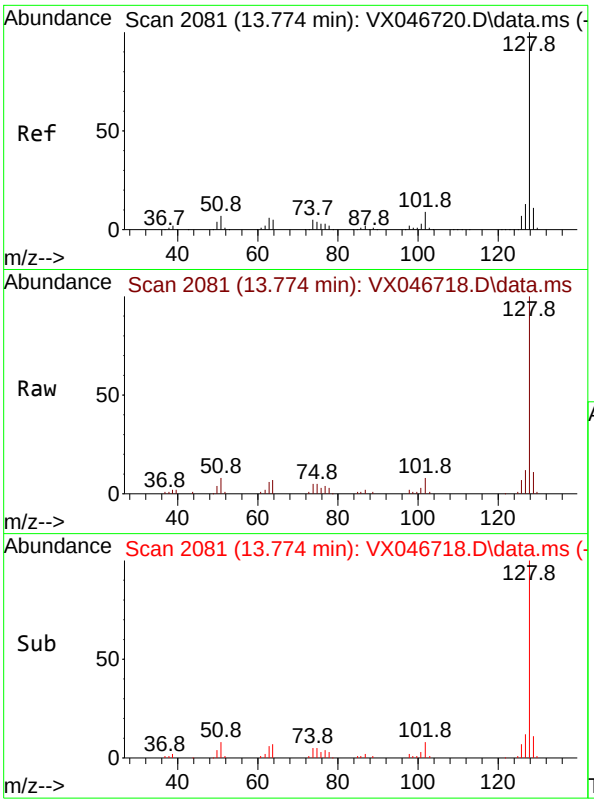




#94
Hexachlorobutadiene
Concen: 5.078 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:225 Resp: 4953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.5 | 32.5 | 97.5 |
| 227 | 60.3 | 32.2 | 96.6 |



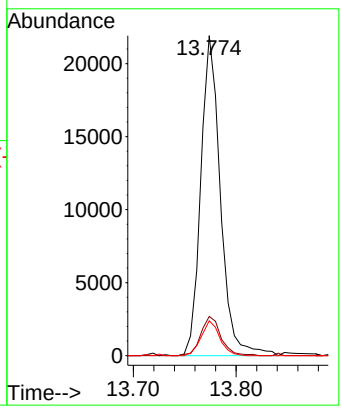


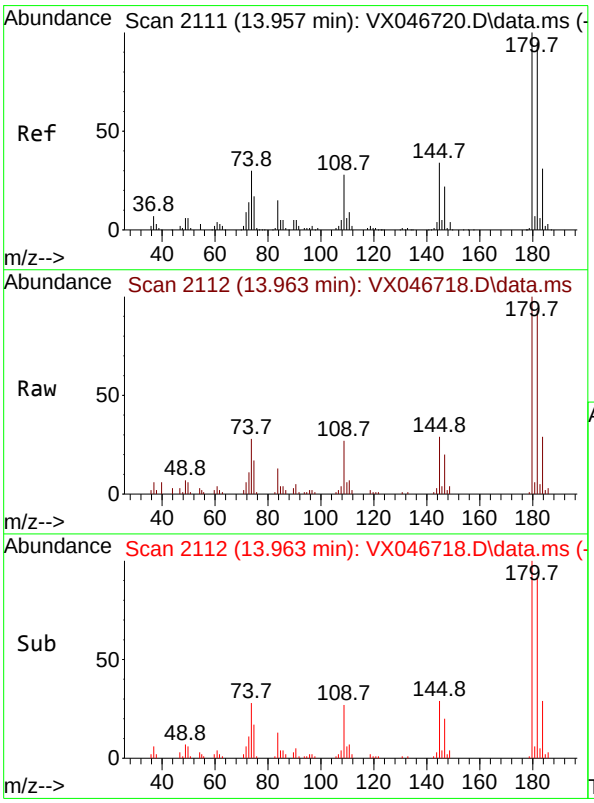

#95
Naphthalene
Concen: 4.414 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 29158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.3 | 8.7 | 13.1 |

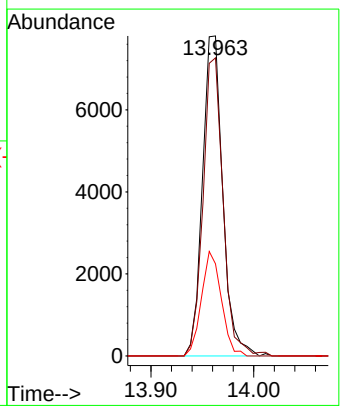



#96
1,2,3-Trichlorobenzene
Concen: 4.835 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046718.D
Acq: 17 Jun 2025 11:19

Tgt Ion:180 Resp: 10725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.3 | 47.8 | 143.4 |
| 145 | 32.0 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 134732 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226567 | 50.000 | ug/l | -0.01 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197947 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98285 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 30582 | 16.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 32.820%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 24156 | 16.114 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 32.220%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 88197 | 16.376 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 32.760%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 32067 | 15.973 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 31.940%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 27297 | 18.977 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 30731 | 19.793 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 34049 | 20.565 | ug/l | 96 |
| 5) Bromomethane | 1.618 | 94 | 19805 | 21.261 | ug/l | 91 |
| 6) Chloroethane | 1.697 | 64 | 20911 | 20.838 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 52480 | 20.875 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 18139 | 21.024 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 32778 | 21.253 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 30525 | 18.775 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 16360 | 97.808 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 30924 | 20.780 | ug/l | 92 |
| 13) Acrolein | 2.246 | 56 | 20036 | 82.237 | ug/l | 98 |
| 14) Allyl chloride | 2.672 | 41 | 56147 | 20.823 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 77278 | 102.746 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 59747 | 96.140 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 88625 | 19.721 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 31812 | 20.154 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 97187 | 20.974 | ug/l | 95 |
| 20) Methylene Chloride | 2.800 | 84 | 35302 | 20.426 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 33796 | 21.224 | ug/l | 95 |
| 22) Diisopropyl ether | 3.764 | 45 | 111712 | 21.555 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 433313 | 105.140 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 62164 | 21.126 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 87671 | 99.748 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 42992 | 20.032 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 39374 | 21.047 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 24738 | 18.544 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 56765 | 99.990 | ug/l | 98 |
| 30) Chloroform | 5.093 | 83 | 64109 | 21.785 | ug/l | 100 |
| 31) Cyclohexane | 5.477 | 56 | 58552 | 20.982 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 54542 | 21.133 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 44023 | 20.344 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 39916 | 19.984 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 48694 | 20.735 | ug/l | 97 |
| 39) Methylcyclohexane | 7.379 | 83 | 58170 | 20.428 | ug/l | 97 |
| 40) Benzene | 6.038 | 78 | 133872 | 20.904 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21970 | 20.632 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 47430 | 21.076 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 62432 | 19.975 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 33927 | 20.788 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 33688 | 21.226 | ug/l | | 94 |
| 46) Dibromomethane | 7.580 | 93 | 23569 | 20.663 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 49411 | 21.227 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 31856 | 20.322 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 8340 | 382.035 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 187509 | 100.586 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 84030 | 21.166 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 43852 | 20.304 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 50326 | 20.526 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30865 | 20.862 | ug/l | | 94 |
| 56) Ethyl methacrylate | 9.116 | 69 | 44702 | 20.468 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 52181 | 20.480 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 106505 | 93.878 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 129218 | 100.265 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 36392 | 20.872 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 31507 | 20.936 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 27988 | 20.408 | ug/l | | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 90868 | 20.796 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 31508 | 21.455 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 160761 | 21.056 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 121014 | 42.539 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 57689 | 21.638 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 99462 | 21.318 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 23372 | 20.898 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 153861 | 21.255 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 57185 | 20.851 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 42272 | 20.914 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 44152 | 22.117 | ug/l | | 93 |
| 77) Bromobenzene | 11.195 | 156 | 37464 | 21.507 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 184078 | 21.410 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 107552 | 20.952 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 129635 | 21.793 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11694 | 18.362 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 127954 | 21.358 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 130359 | 21.201 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 128566 | 21.512 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 165047 | 21.239 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 138623 | 21.142 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 70243 | 20.681 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 71953 | 20.625 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 129101 | 20.738 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 23645 | 20.594 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 66883 | 21.073 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8071 | 20.226 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 44726 | 19.821 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 19698 | 20.752 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 129768 | 20.186 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 44380 | 20.558 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

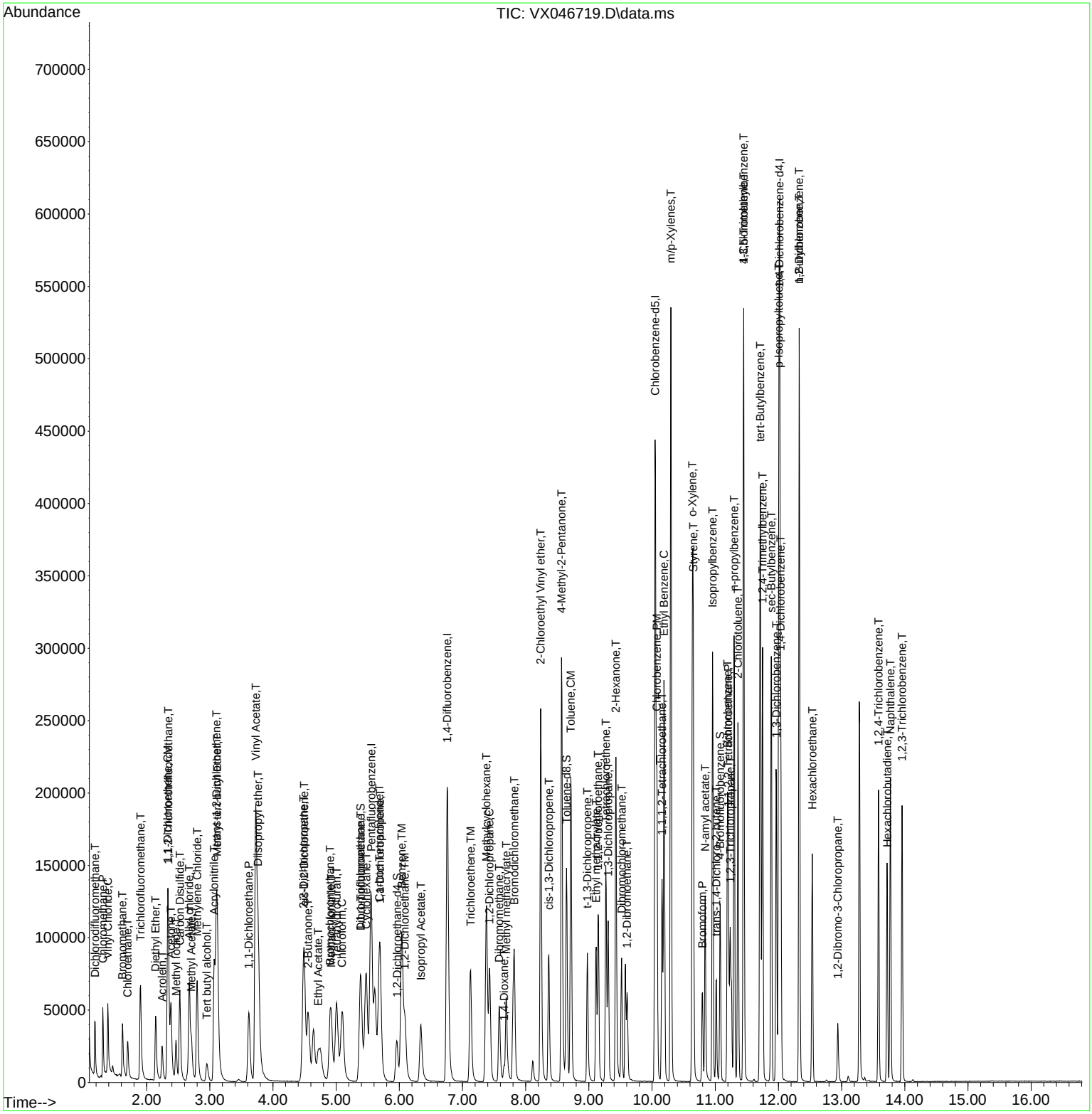
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

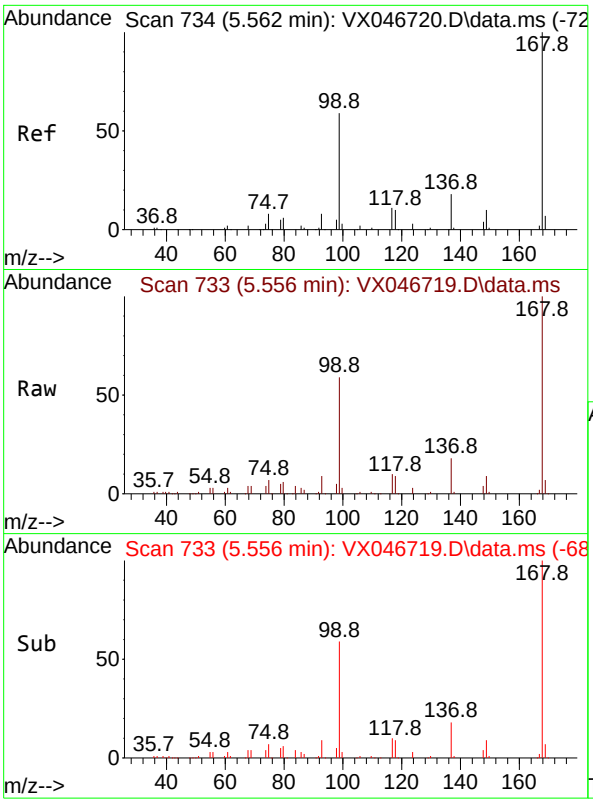
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



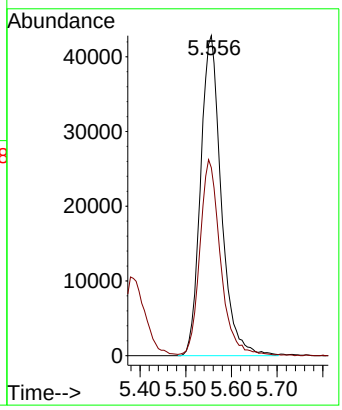


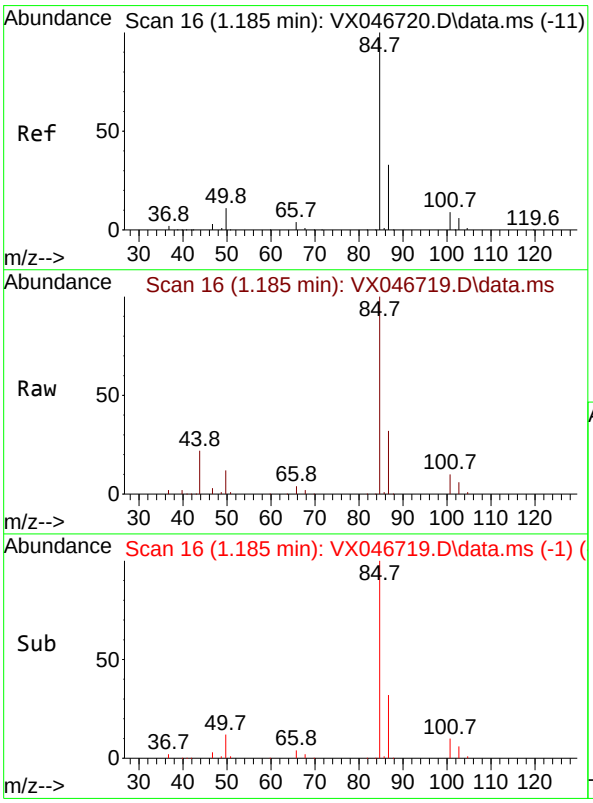

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 134732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.4 | 48.5 | 72.7 |

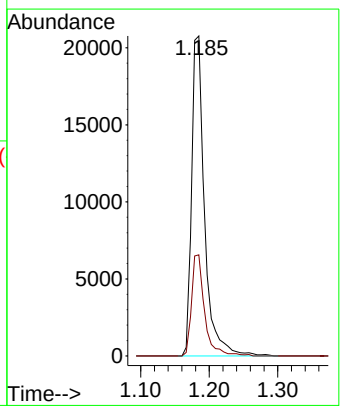


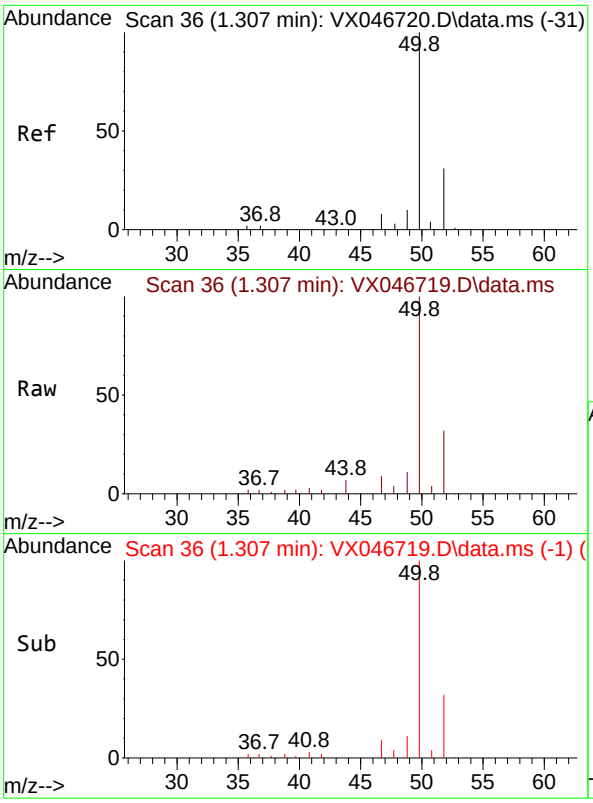




#2
Dichlorodifluoromethane
Concen: 18.977 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 85 Resp: 27297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 16.6 | 49.8 |



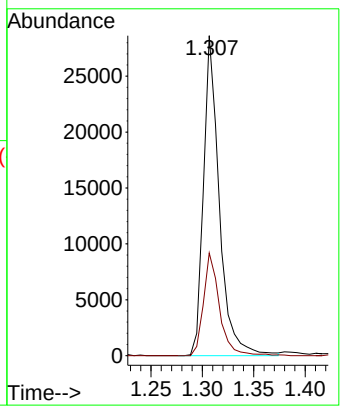


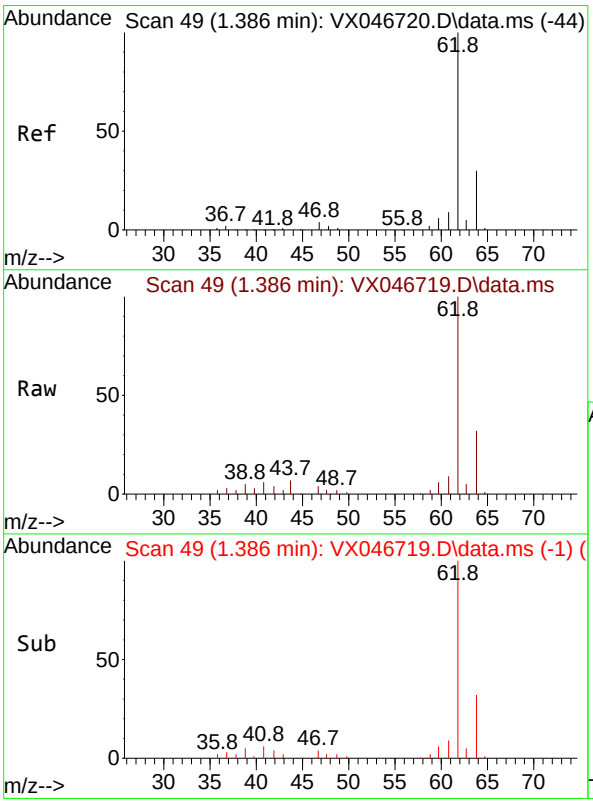

#3
Chloromethane
Concen: 19.793 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 30731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 24.9 | 37.3 |

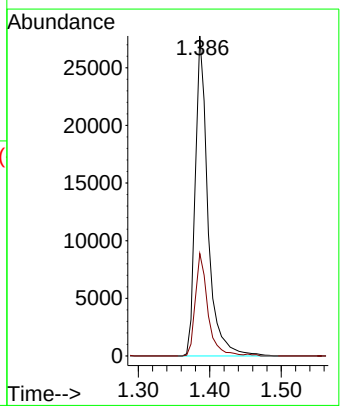


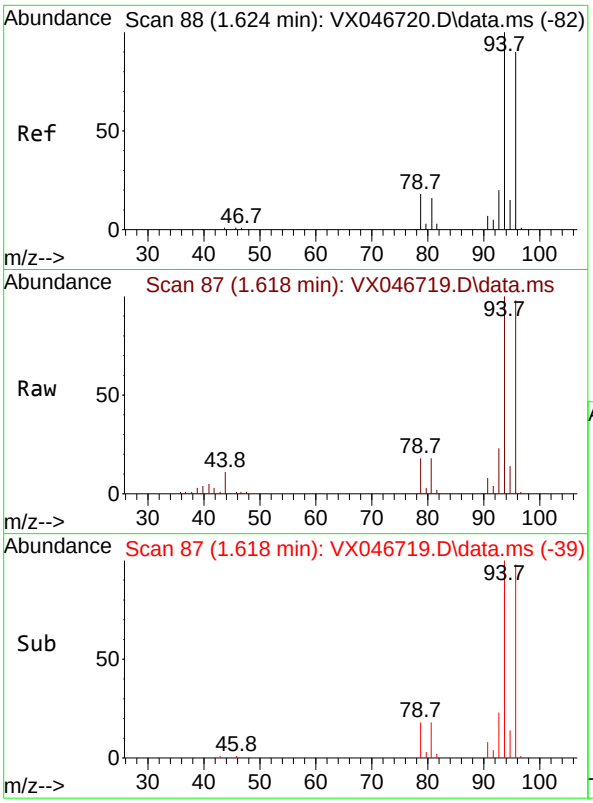




#4
Vinyl Chloride
Concen: 20.565 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 62 Resp: 34049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |



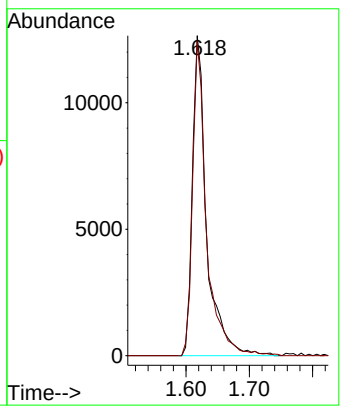


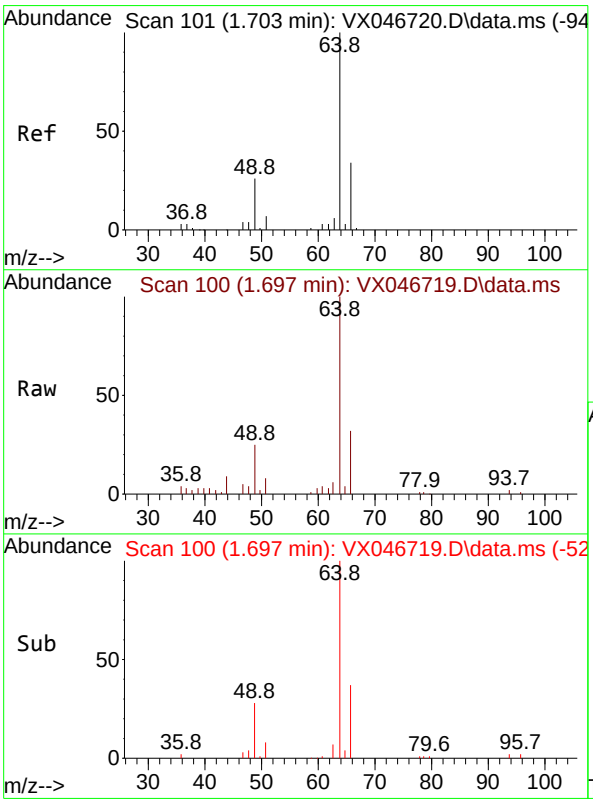

#5
Bromomethane
Concen: 21.261 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 19805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 99.2 | 72.3 | 108.5 |

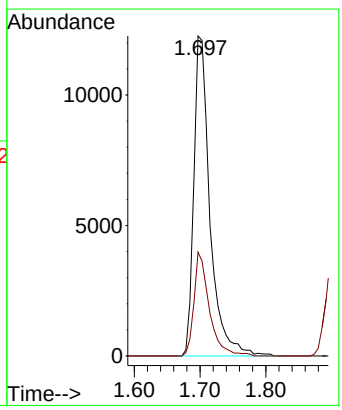


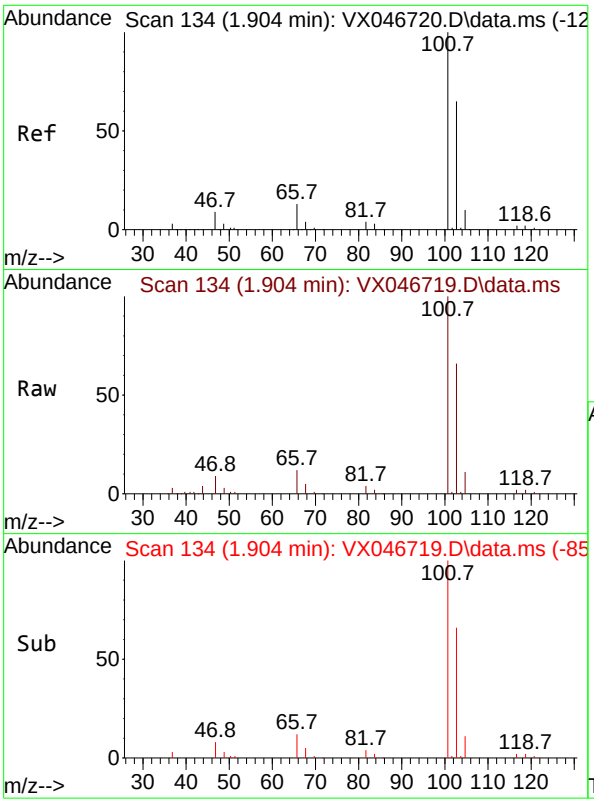




#6
Chloroethane
Concen: 20.838 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 64 Resp: 20911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 27.1 | 40.7 |



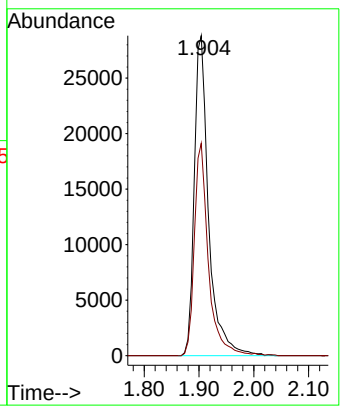


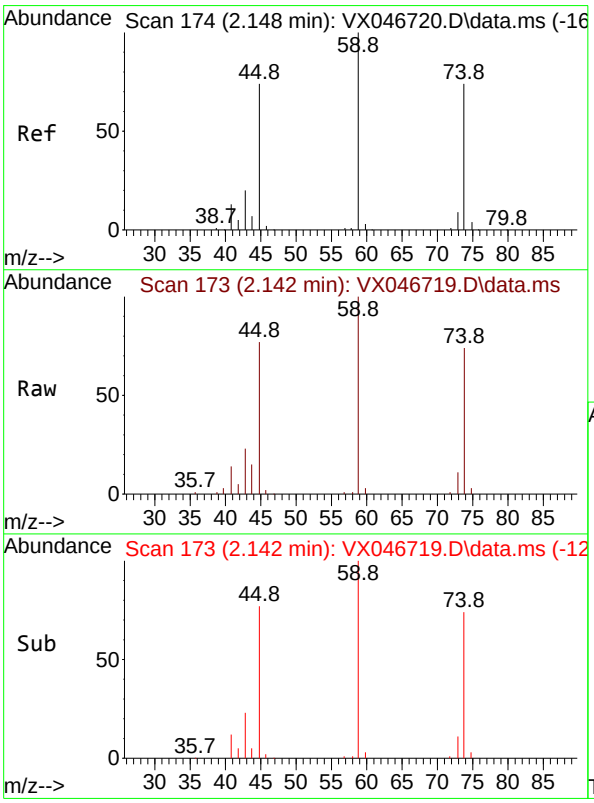

#7
Trichlorofluoromethane
Concen: 20.875 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 52480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |

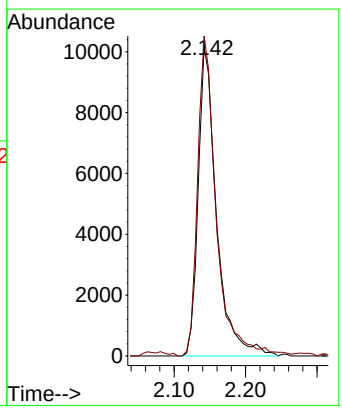


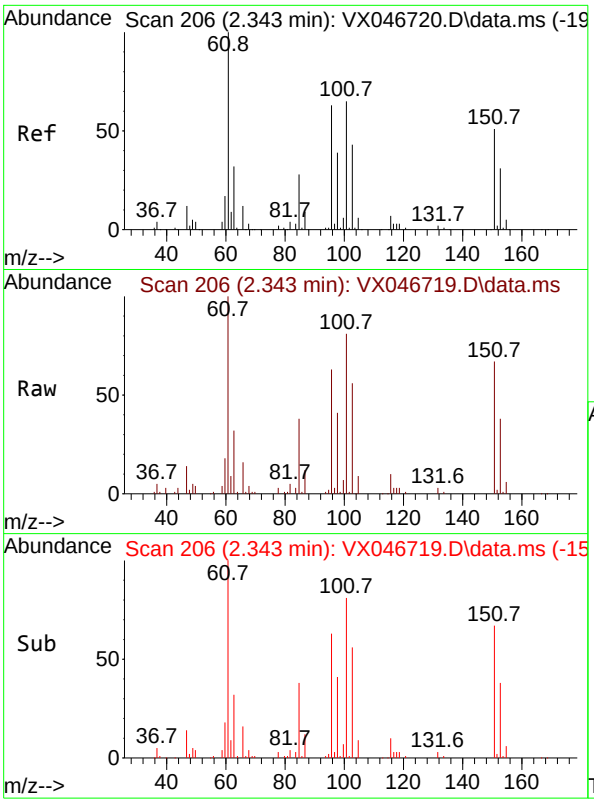




#8
Diethyl Ether
Concen: 21.024 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 74 Resp: 18139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.8 | 52.3 | 157.1 |



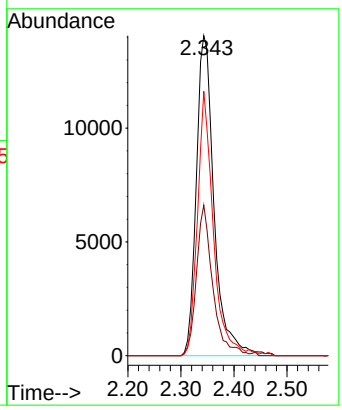


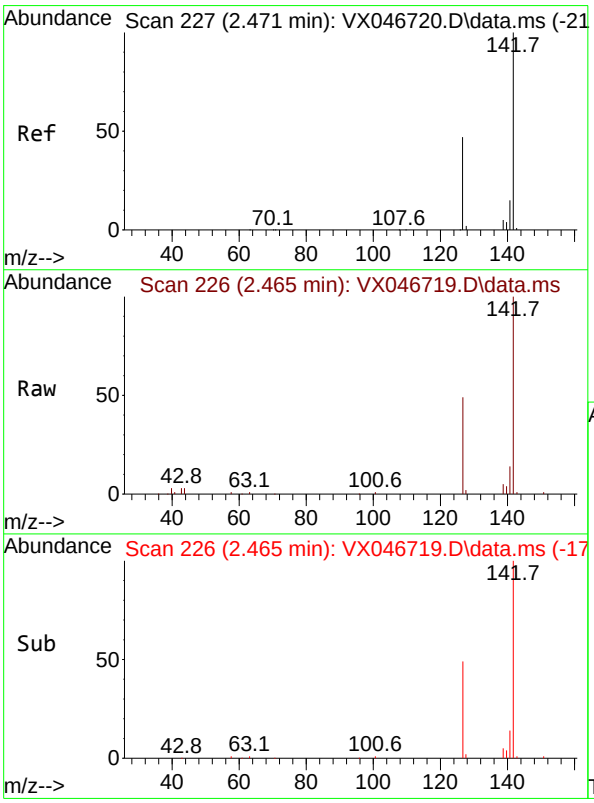

#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.253 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 32778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.4 | 35.4 | 53.0 |
| 151 | 74.1 | 61.2 | 91.8 |

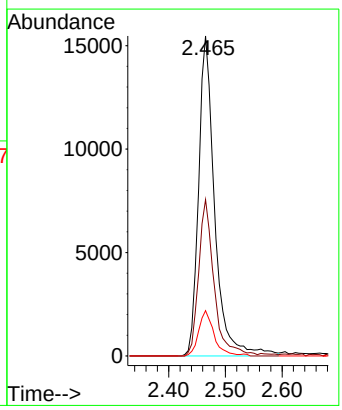


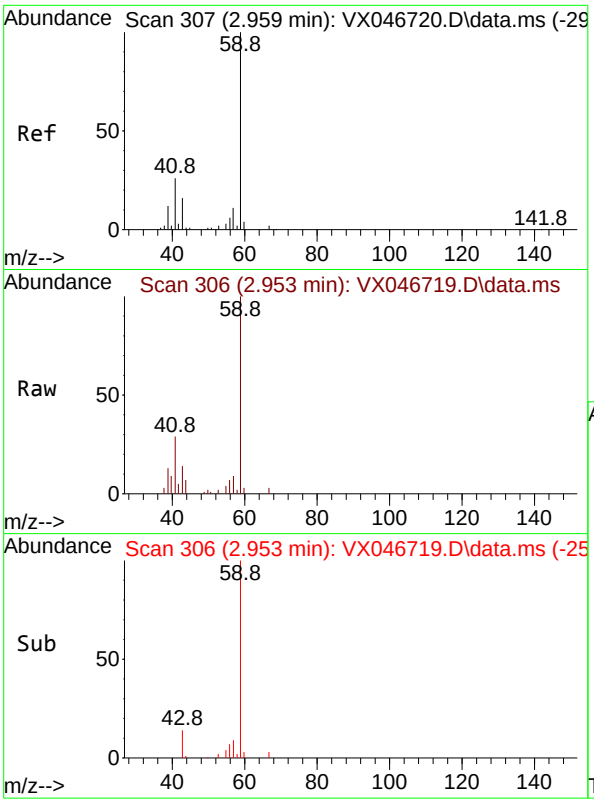




#10
Methyl Iodide
Concen: 18.775 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:142 Resp: 30525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.7 | 37.0 | 55.6 |
| 141 | 13.7 | 11.5 | 17.3 |



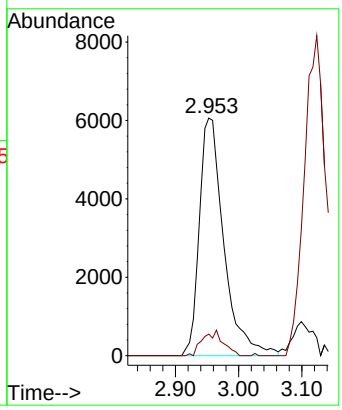


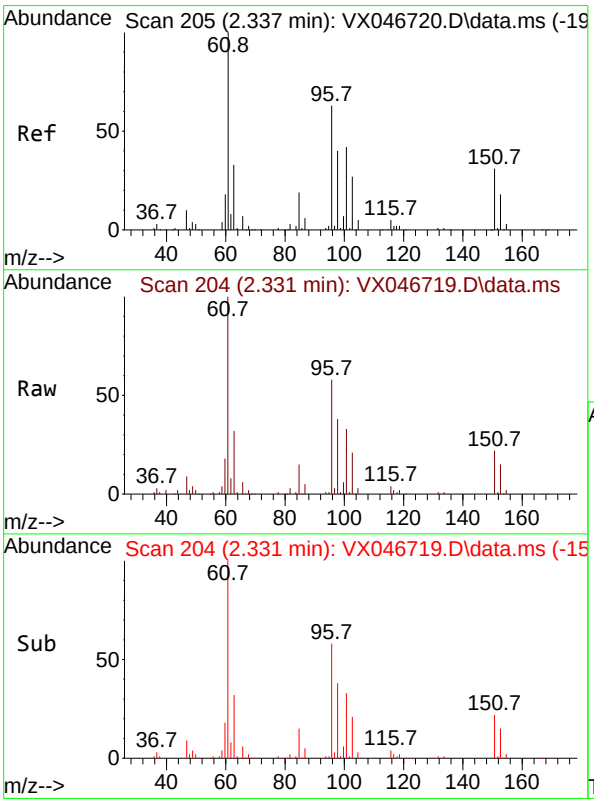

#11
Tert butyl alcohol
Concen: 97.808 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 16360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.9 | 8.3 | 12.5 |

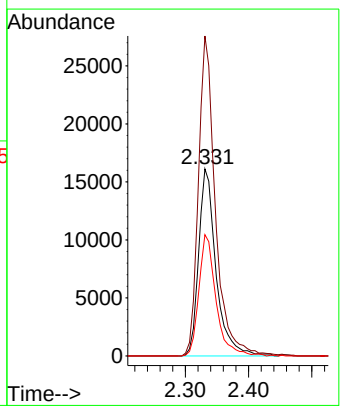


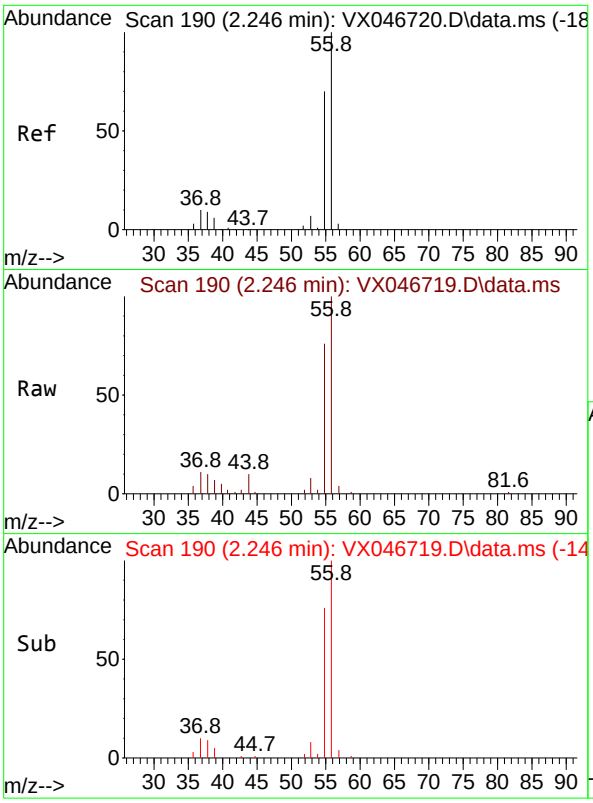




#12
1,1-Dichloroethene
Concen: 20.780 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 96 Resp: 30924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 126.6 | 189.8 |
| 98 | 64.9 | 50.7 | 76.1 |



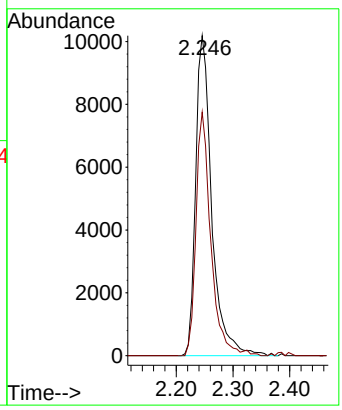


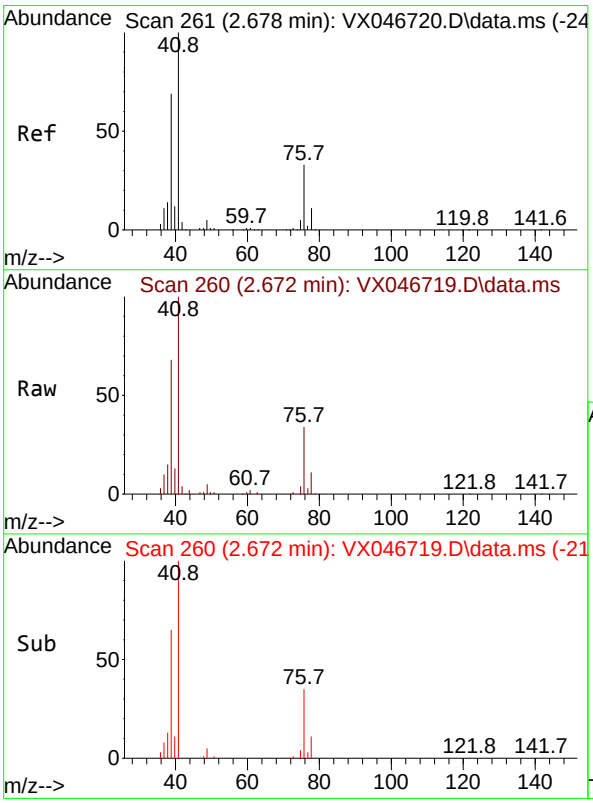

#13
Acrolein
Concen: 82.237 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 20036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 55.2 | 82.8 |

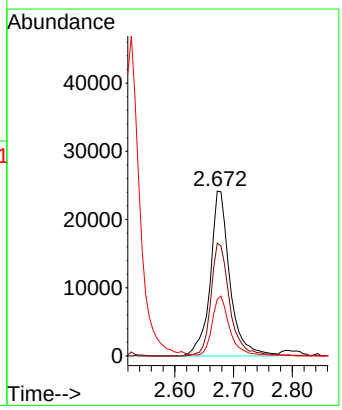


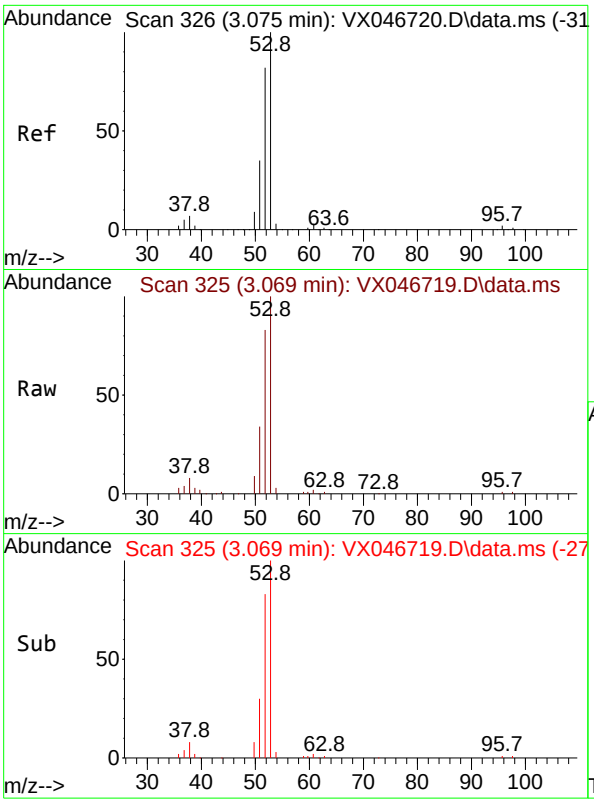




#14
Allyl chloride
Concen: 20.823 ug/l
RT: 2.672 min Scan# 260
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 41 Resp: 56147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.0 | 53.6 | 80.4 |
| 76 | 33.0 | 26.8 | 40.2 |



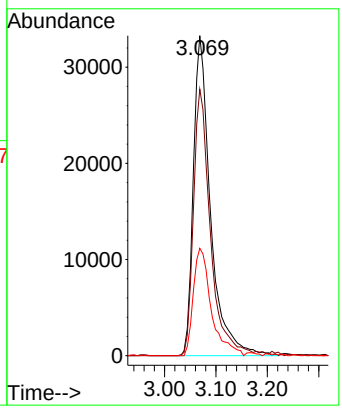


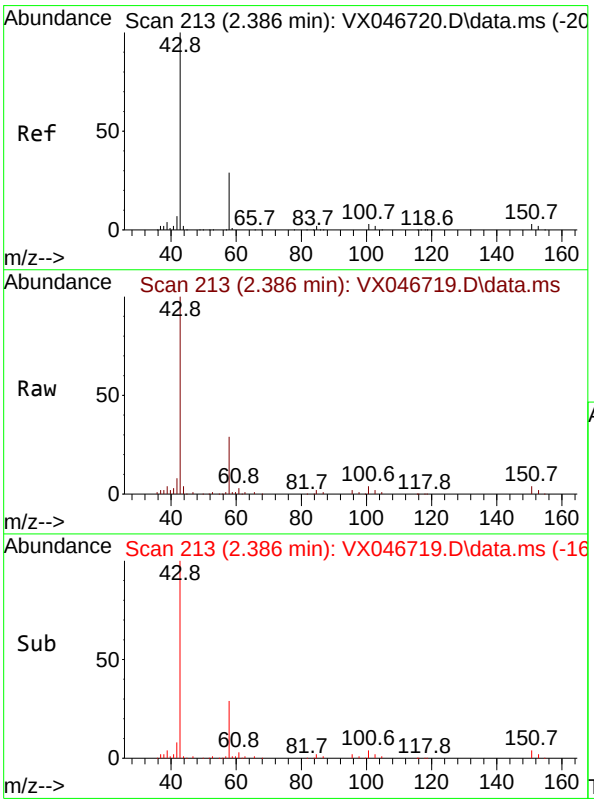

#15
Acrylonitrile
Concen: 102.746 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 77278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 65.1 | 97.7 |
| 51 | 35.1 | 28.9 | 43.3 |

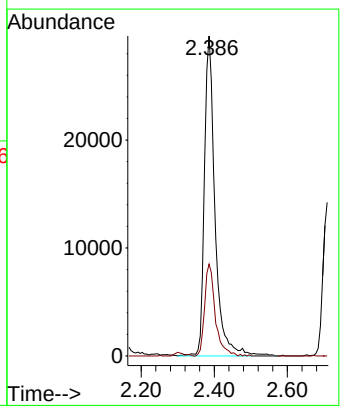


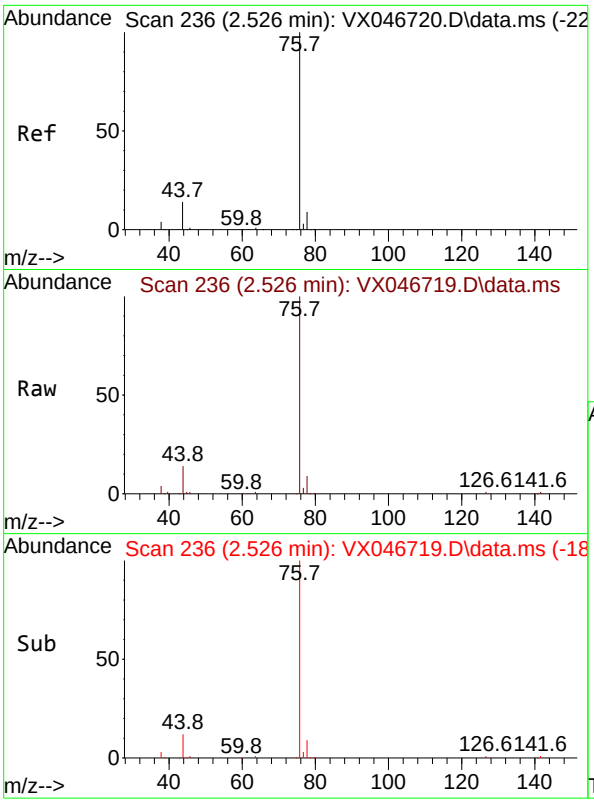




#16
Acetone
Concen: 96.140 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 59747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 24.5 | 36.7 |



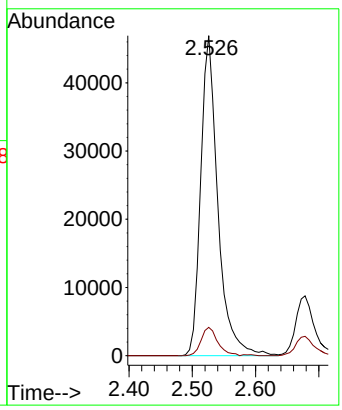


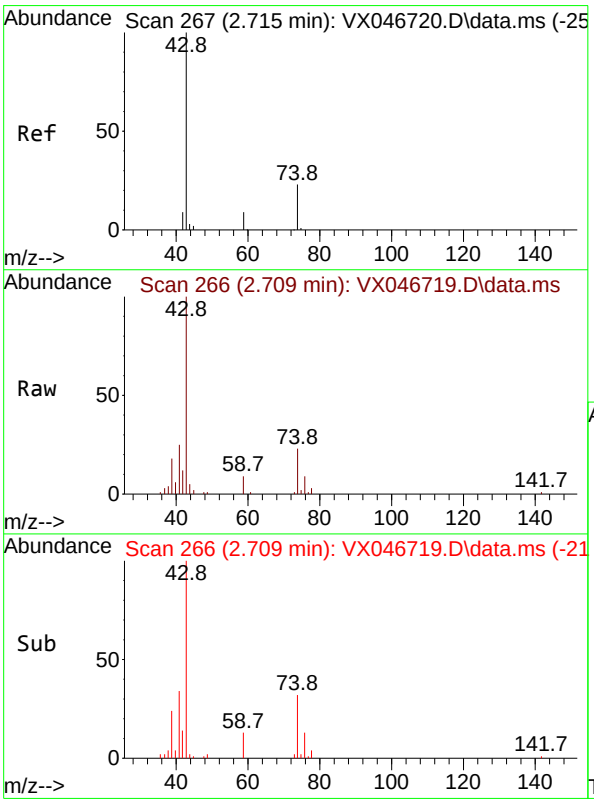

#17
Carbon Disulfide
Concen: 19.721 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 88625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.5 | 11.3 |

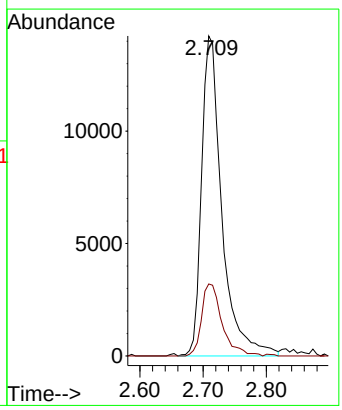


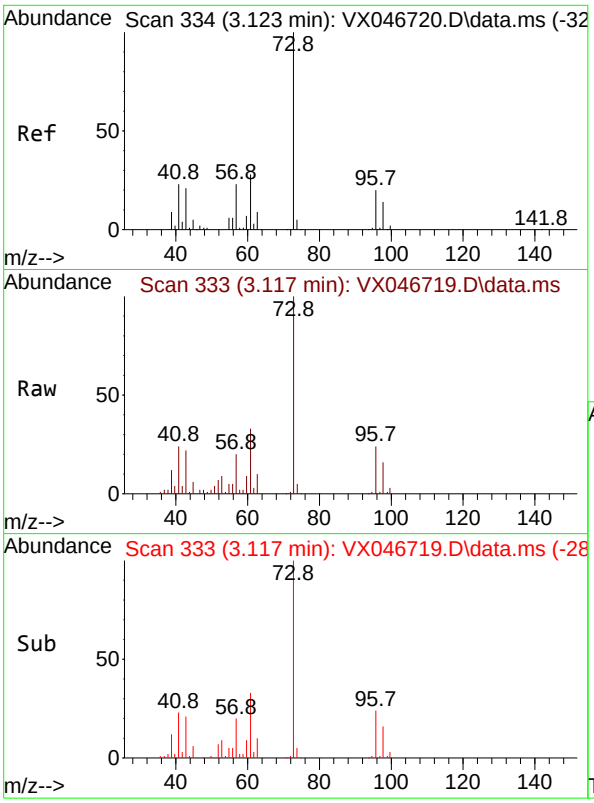




#18
Methyl Acetate
Concen: 20.154 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 31812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 18.4 | 27.6 |



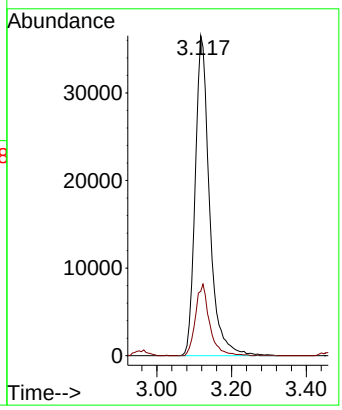


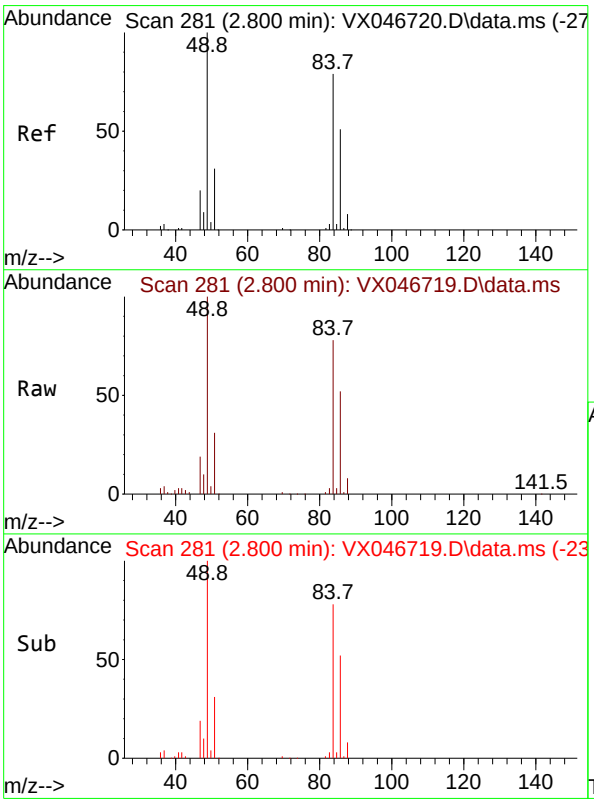

#19
Methyl tert-butyl Ether
Concen: 20.974 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 97187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 18.2 | 27.2 |

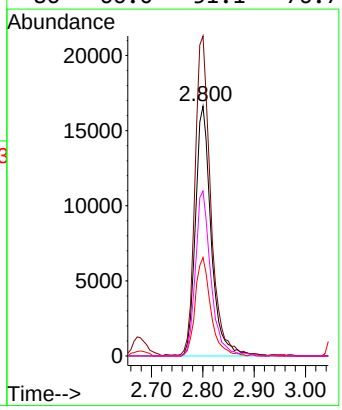


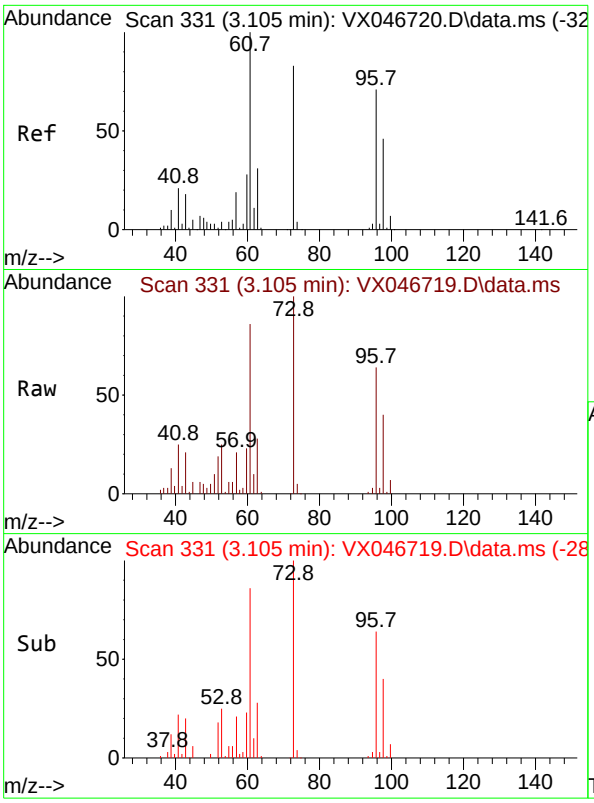




#20
Methylene Chloride
Concen: 20.426 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 84 Resp: 35302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 101.3 | 151.9 |
| 51 | 39.4 | 31.0 | 46.6 |
| 86 | 66.0 | 51.1 | 76.7 |



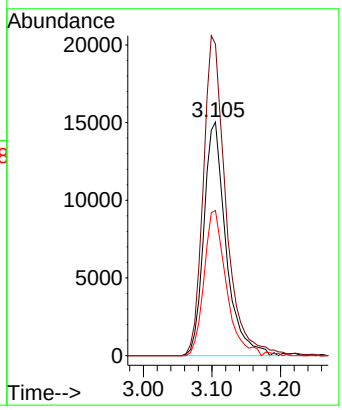


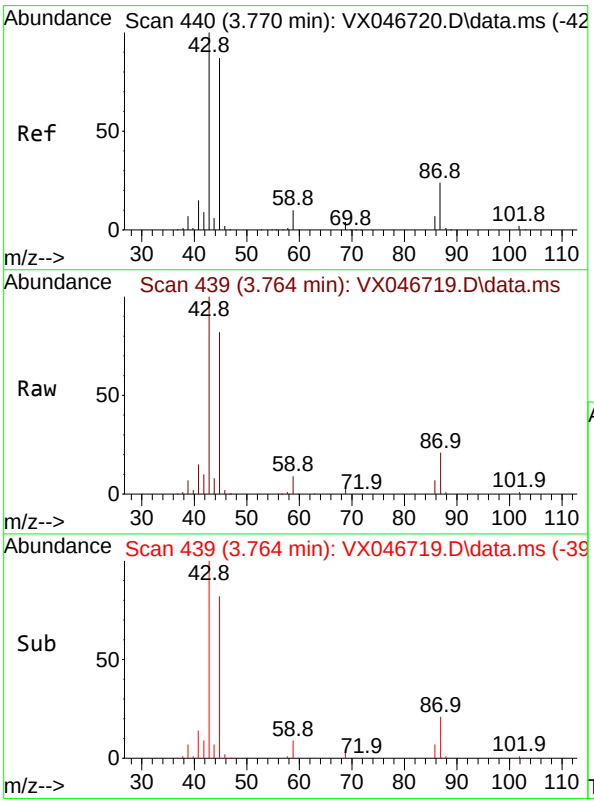

#21
trans-1,2-Dichloroethene
Concen: 21.224 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 33796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.3 | 112.5 | 168.7 |
| 98 | 62.1 | 51.9 | 77.9 |

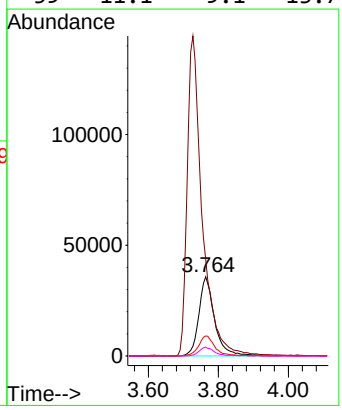


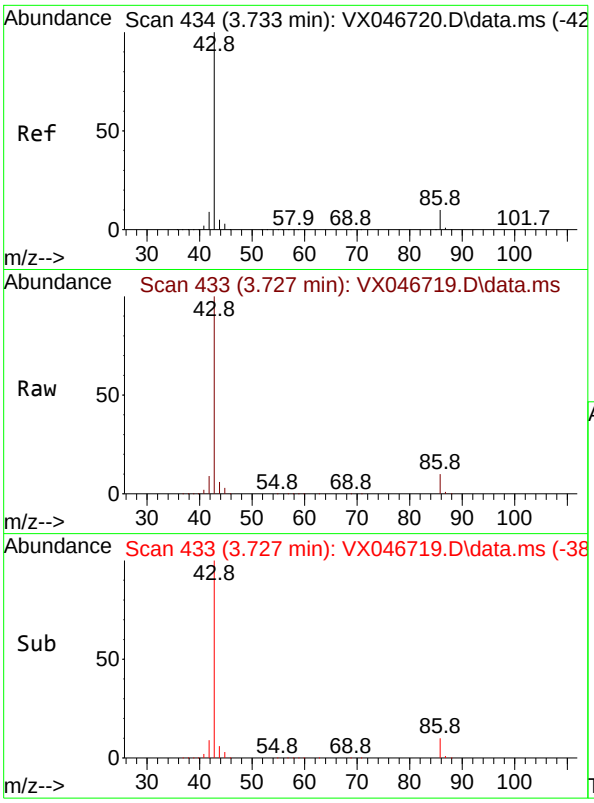




#22
Diisopropyl ether
Concen: 21.555 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 45 Resp: 111712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 120.9 | 91.9 | 137.9 |
| 87 | 25.2 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |



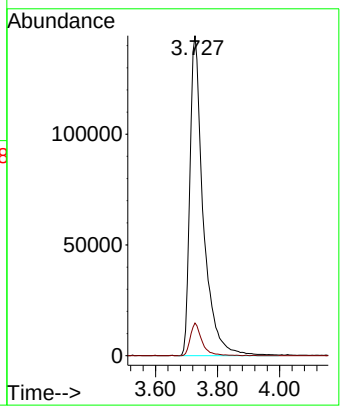


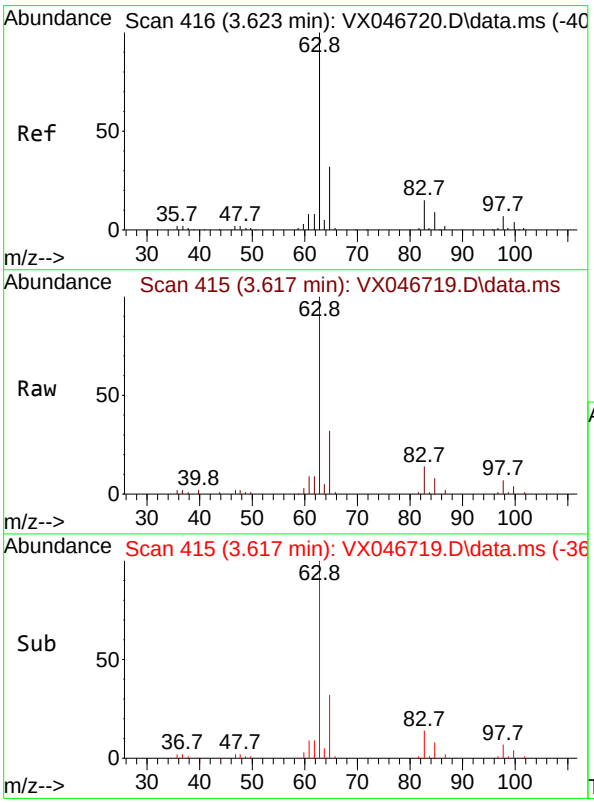

#23
Vinyl Acetate
Concen: 105.140 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 433313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

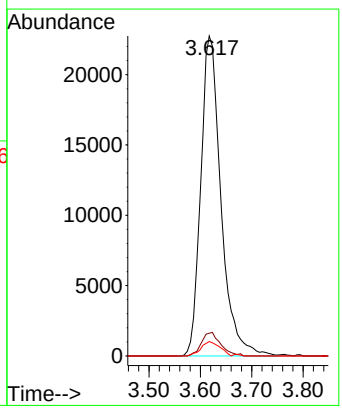


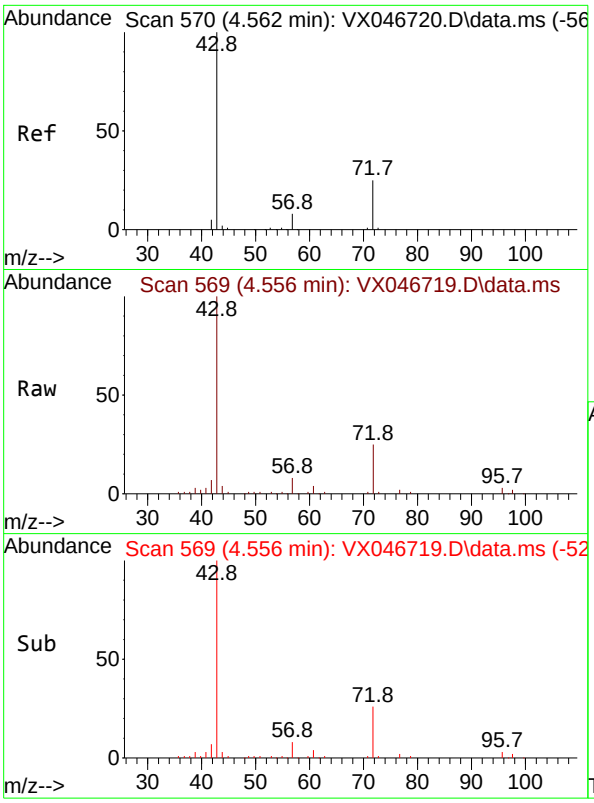




#24
1,1-Dichloroethane
Concen: 21.126 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 63 Resp: 62164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 4.0 | 11.9 |
| 100 | 4.5 | 2.2 | 6.6 |



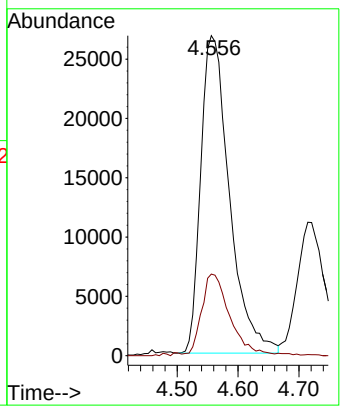


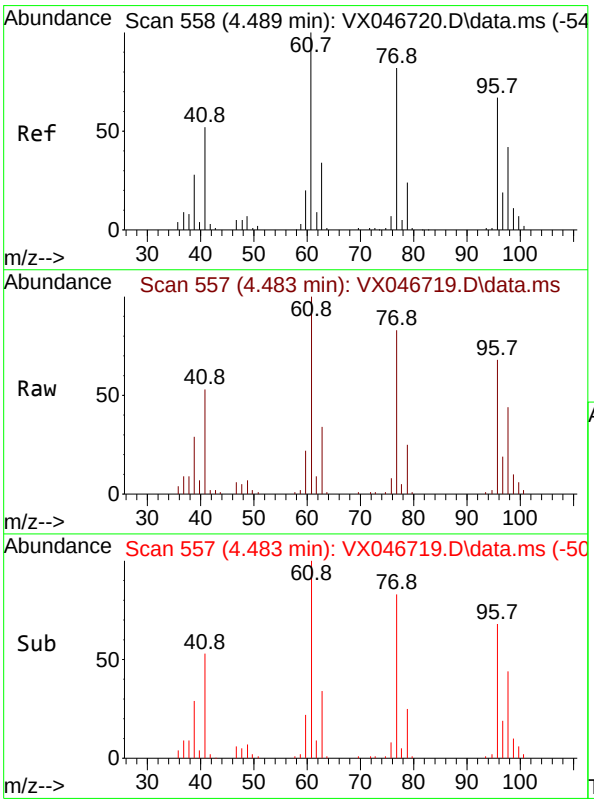

#25
2-Butanone
Concen: 99.748 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 87671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.9 | 20.2 | 30.4 |

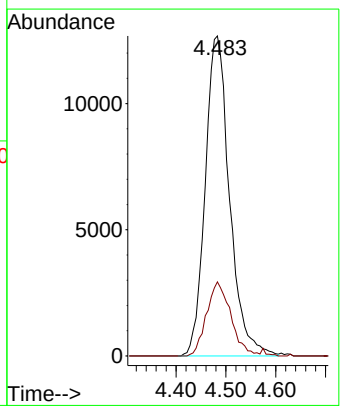


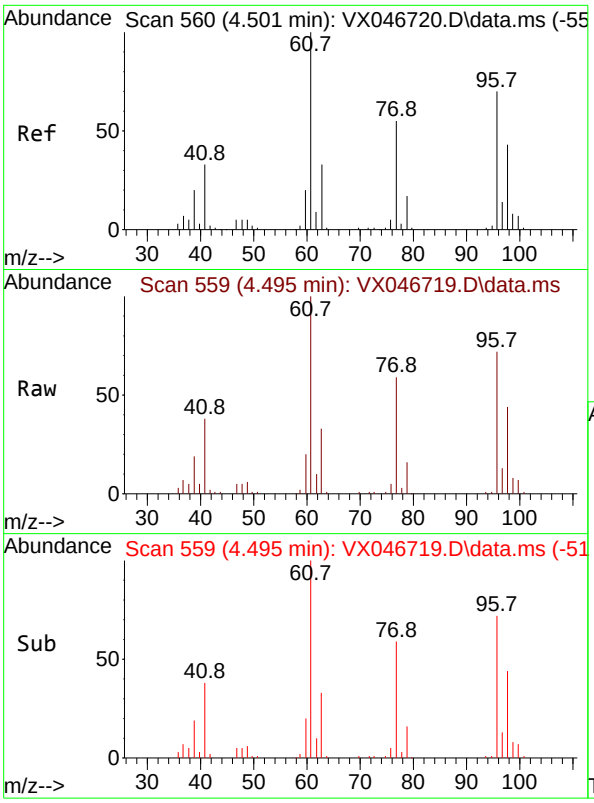




#26
2,2-Dichloropropane
Concen: 20.032 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 77 Resp: 42992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |



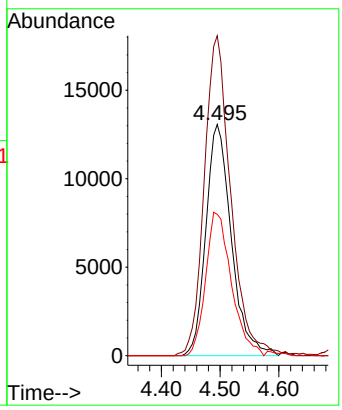


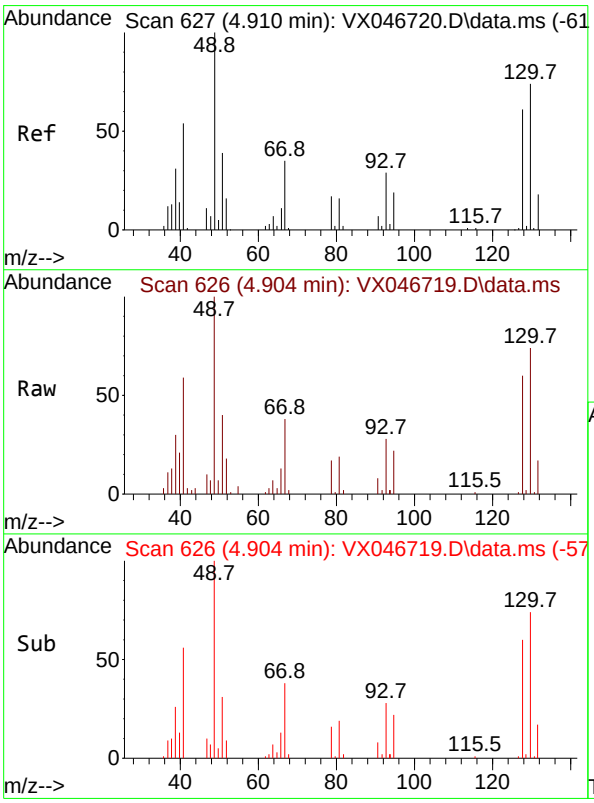

#27
cis-1,2-Dichloroethene
Concen: 21.047 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 39374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 0.0 | 291.0 |
| 98 | 62.5 | 0.0 | 126.8 |

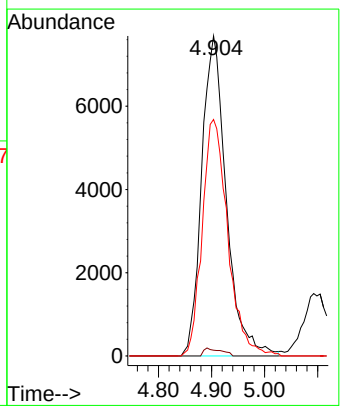


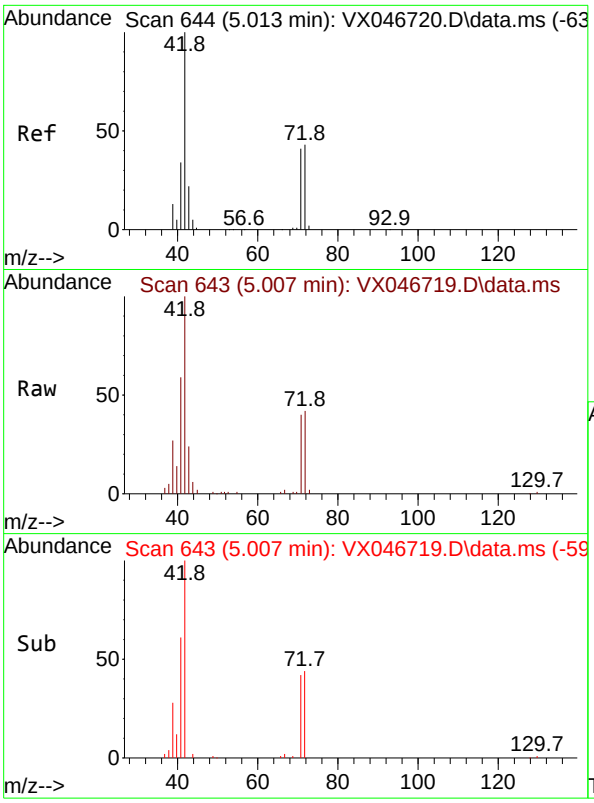




#28
Bromochloromethane
Concen: 18.544 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 49 Resp: 24738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |



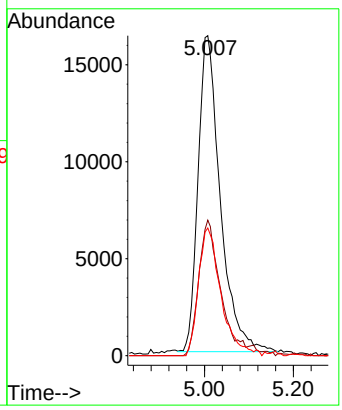


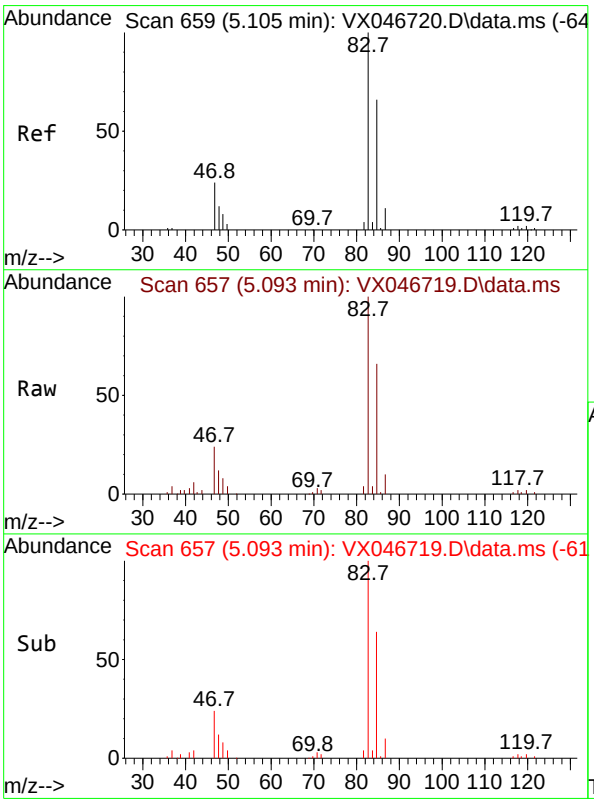

#29
Tetrahydrofuran
Concen: 99.990 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 56765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.0 | 34.9 | 52.3 |
| 71 | 40.8 | 32.2 | 48.2 |

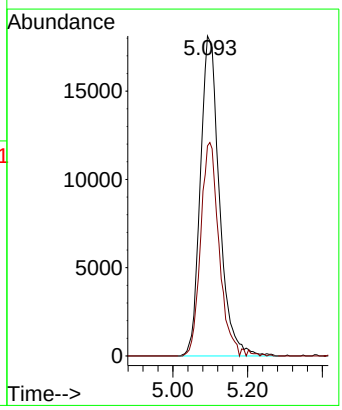


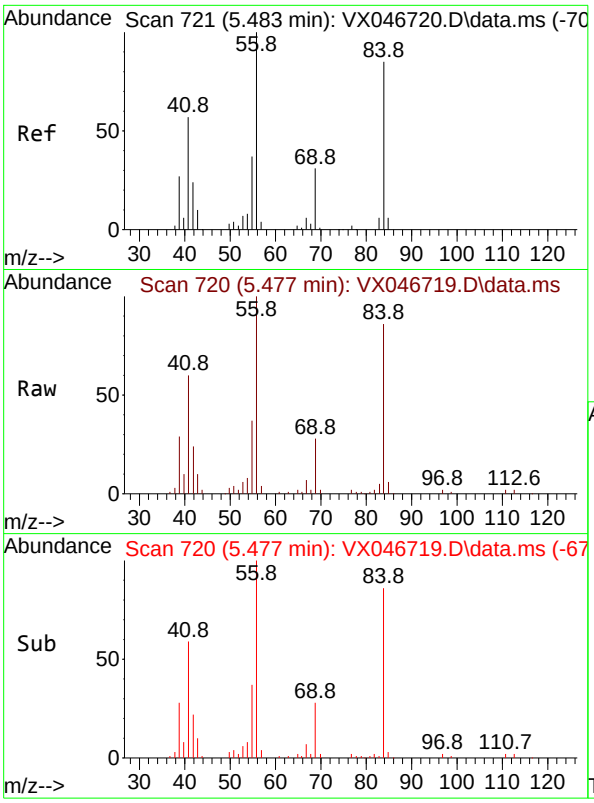




#30
Chloroform
Concen: 21.785 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 83 Resp: 64109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.0 | 53.7 | 80.5 |



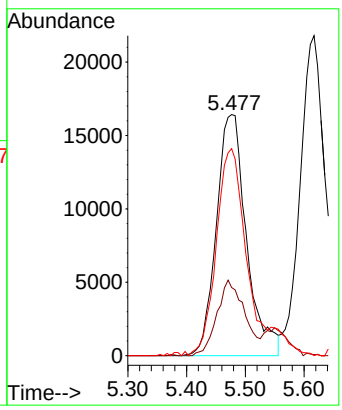


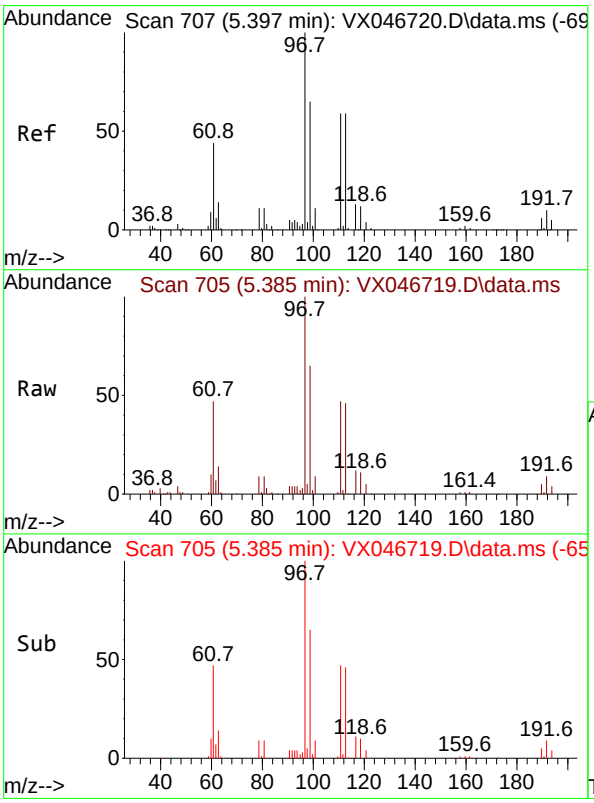

#31
Cyclohexane
Concen: 20.982 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 58552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.3 | 24.8 | 37.2 |
| 84 | 84.5 | 68.2 | 102.2 |

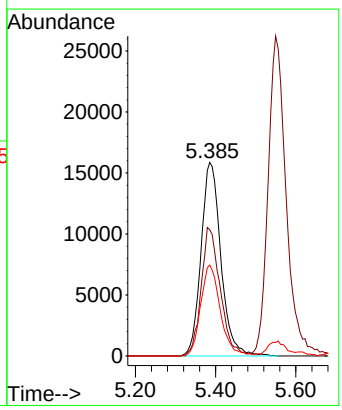


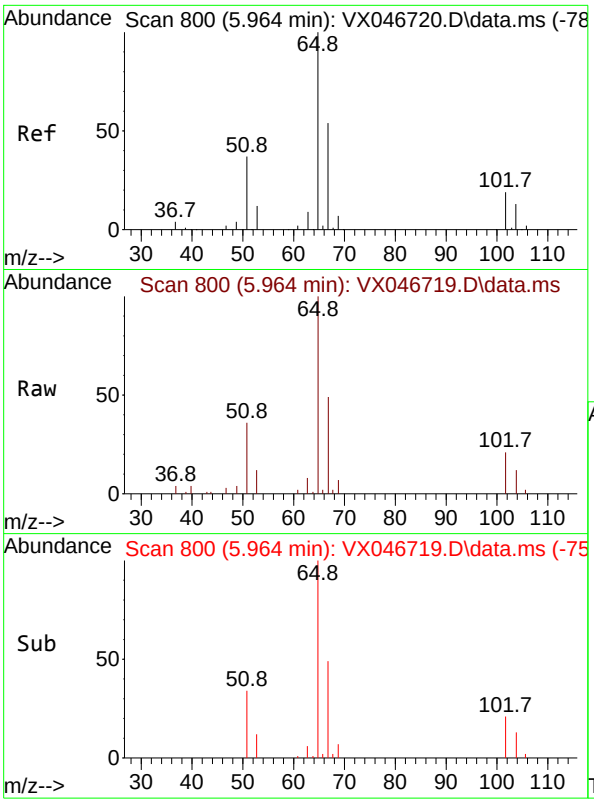




#32
1,1,1-Trichloroethane
Concen: 21.133 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 97 Resp: 54542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 51.3 | 76.9 |
| 61 | 46.4 | 36.4 | 54.6 |



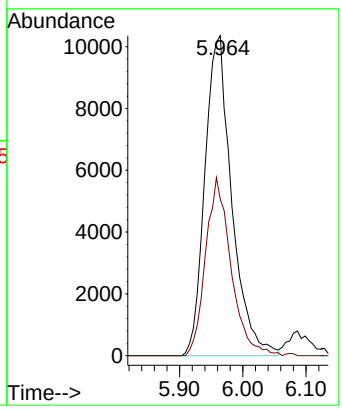


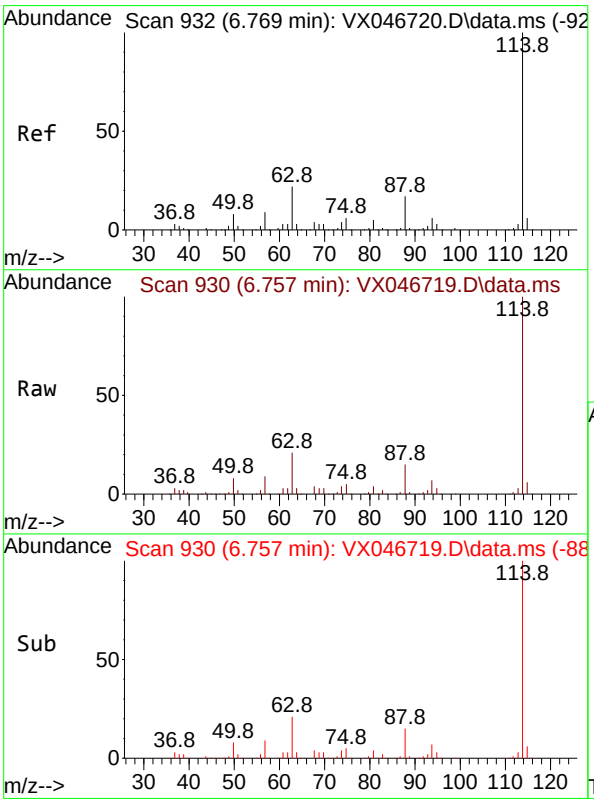

#33
1,2-Dichloroethane-d4
Concen: 16.410 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 30582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 105.4 |

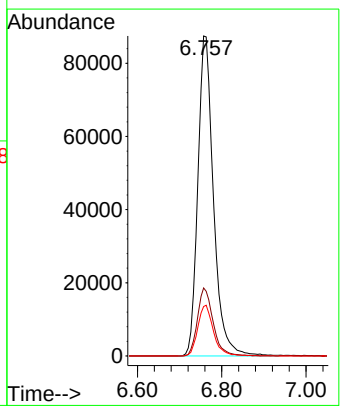


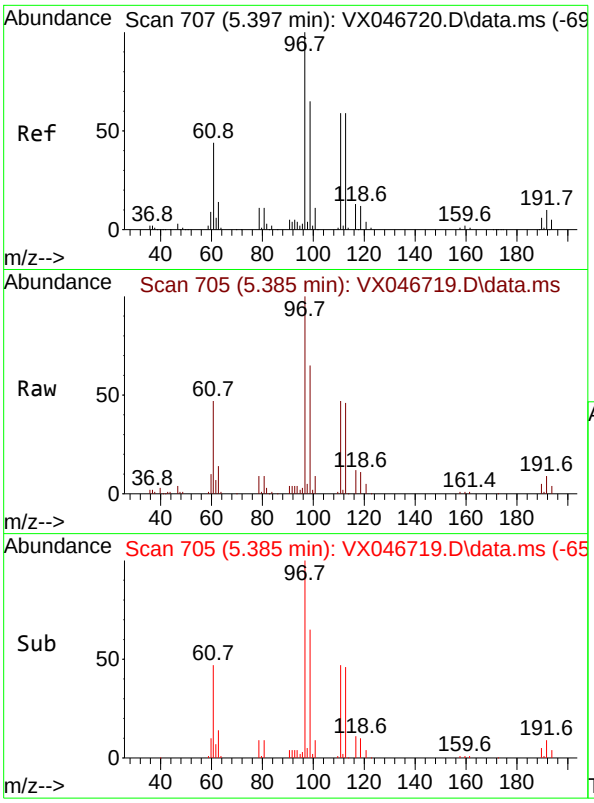




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:114 Resp: 226567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.2 |
| 88 | 15.5 | 0.0 | 33.2 |



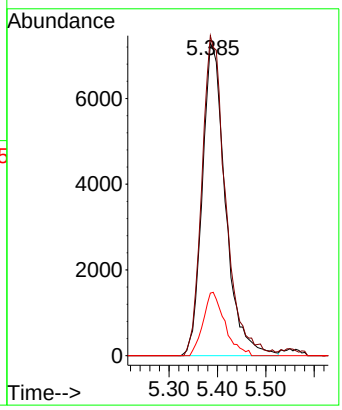


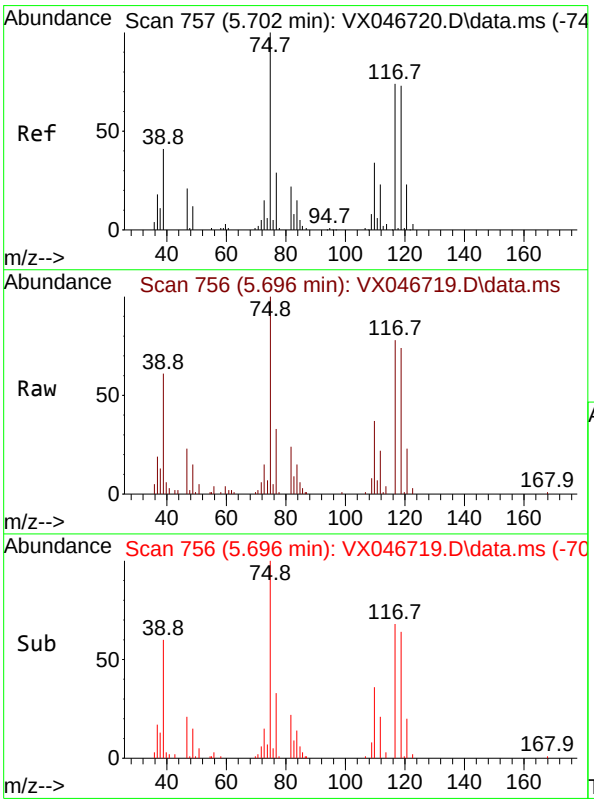

#35
Dibromofluoromethane
Concen: 16.114 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 24156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.6 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |

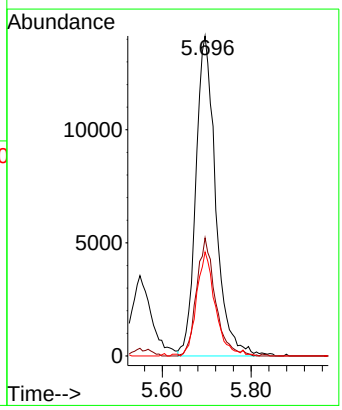


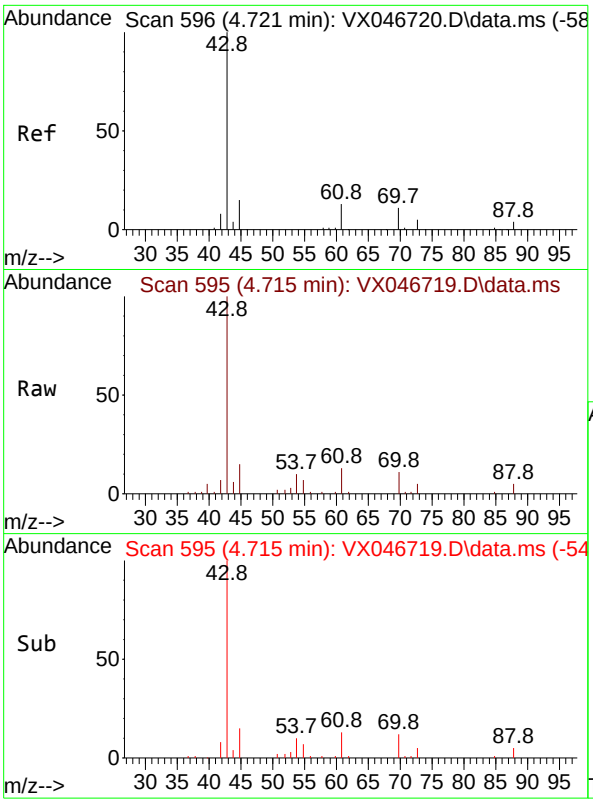




#36
1,1-Dichloropropene
Concen: 20.344 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 44023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.9 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |



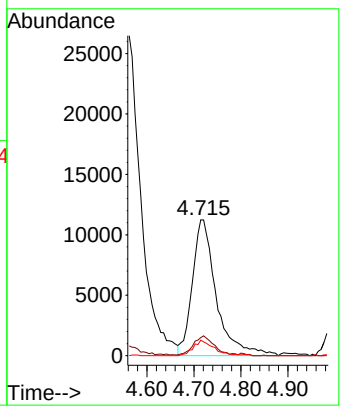


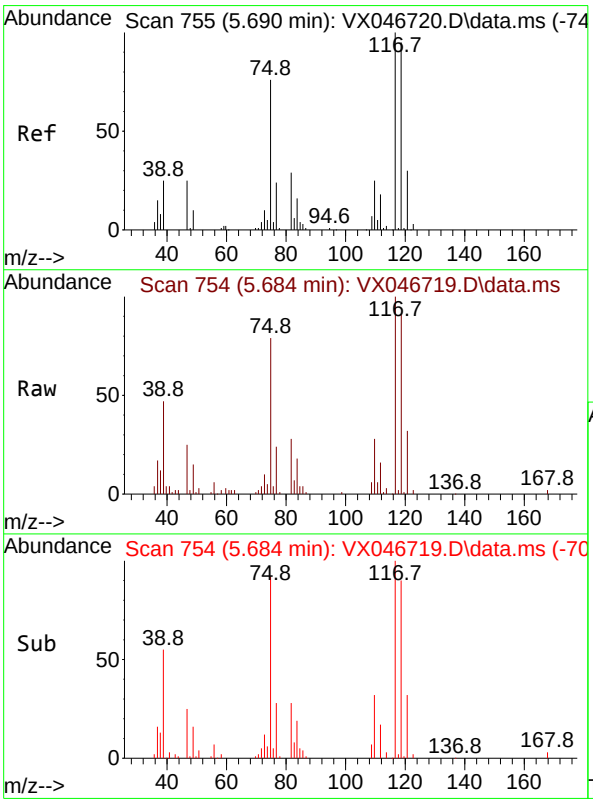

#37
Ethyl Acetate
Concen: 19.984 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 39916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.7 | 9.7 | 14.5 |
| 70 | 9.7 | 8.1 | 12.1 |

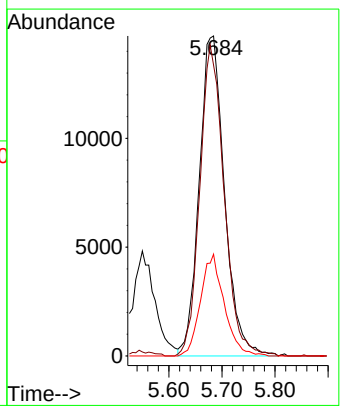


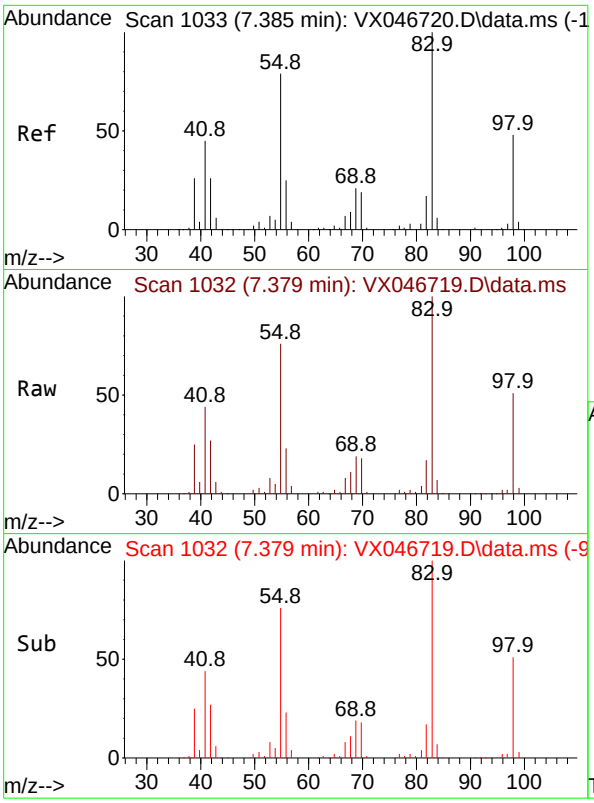




#38
Carbon Tetrachloride
Concen: 20.735 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:117 Resp: 48694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.9 | 75.2 | 112.8 |
| 121 | 31.8 | 24.1 | 36.1 |



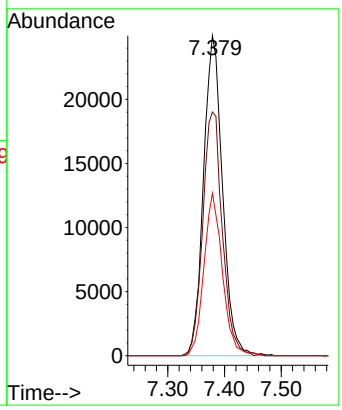


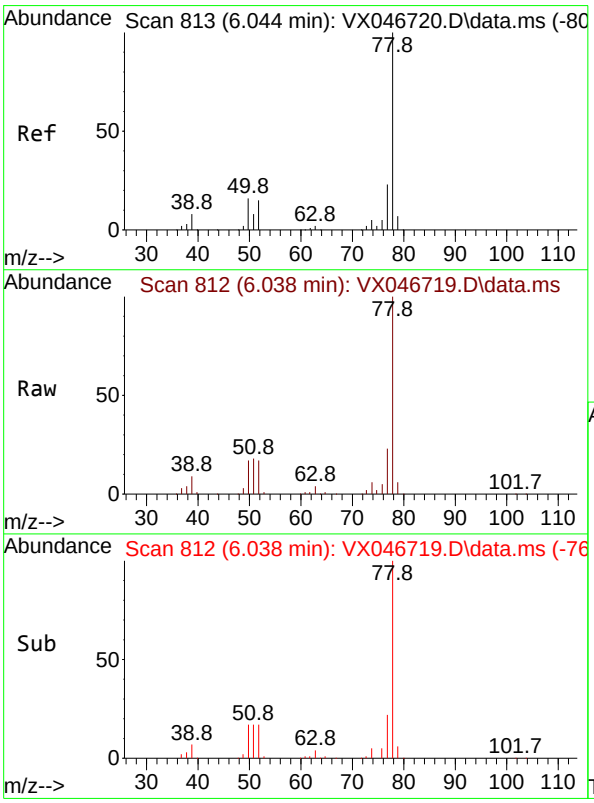

#39
Methylcyclohexane
Concen: 20.428 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 58170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.1 | 63.0 | 94.4 |
| 98 | 50.7 | 38.8 | 58.2 |

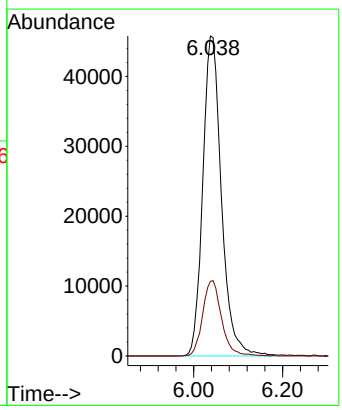


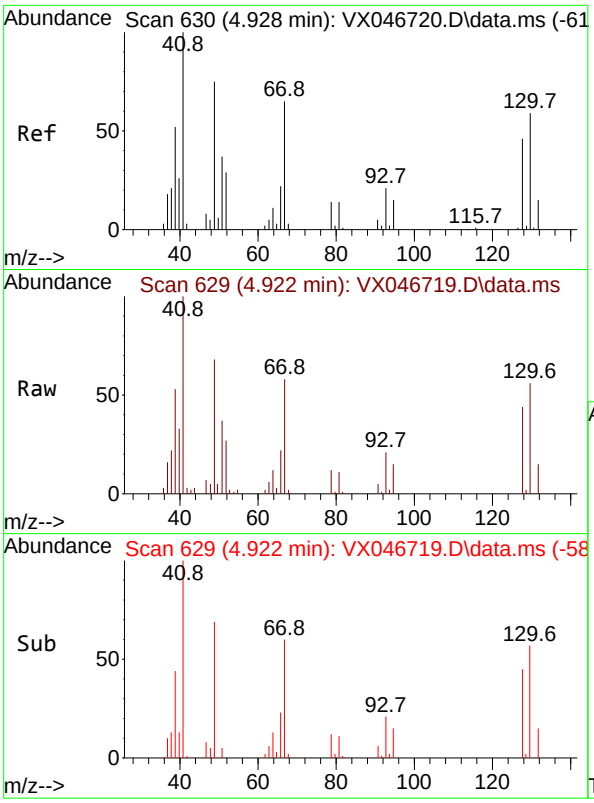




#40
Benzene
Concen: 20.904 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 78 Resp: 133872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 18.8 | 28.2 |



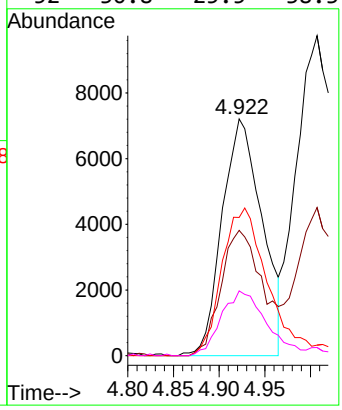


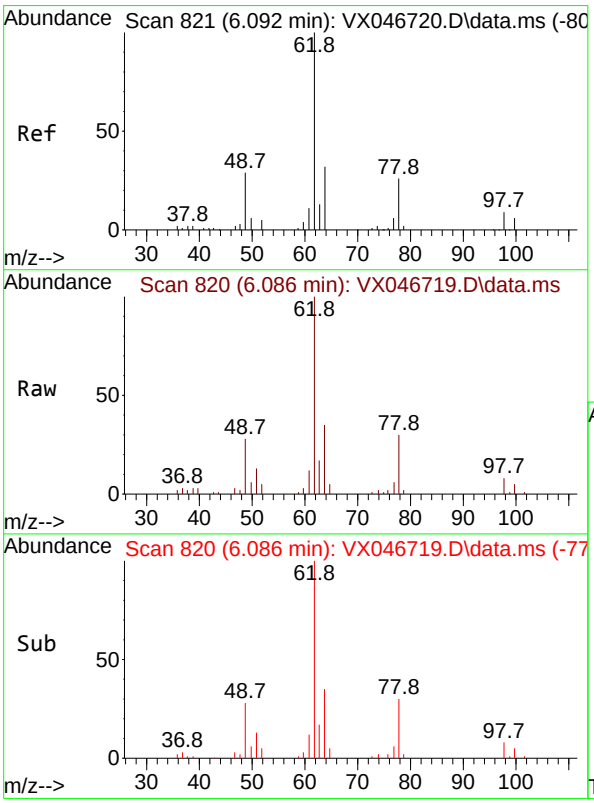

#41
Methacrylonitrile
Concen: 20.632 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 21970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 45.9 | 68.9 |
| 67 | 73.2 | 61.2 | 91.8 |
| 52 | 30.8 | 25.5 | 38.3 |

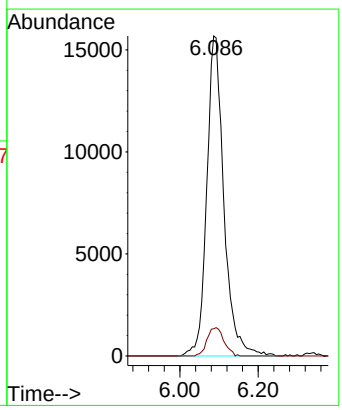


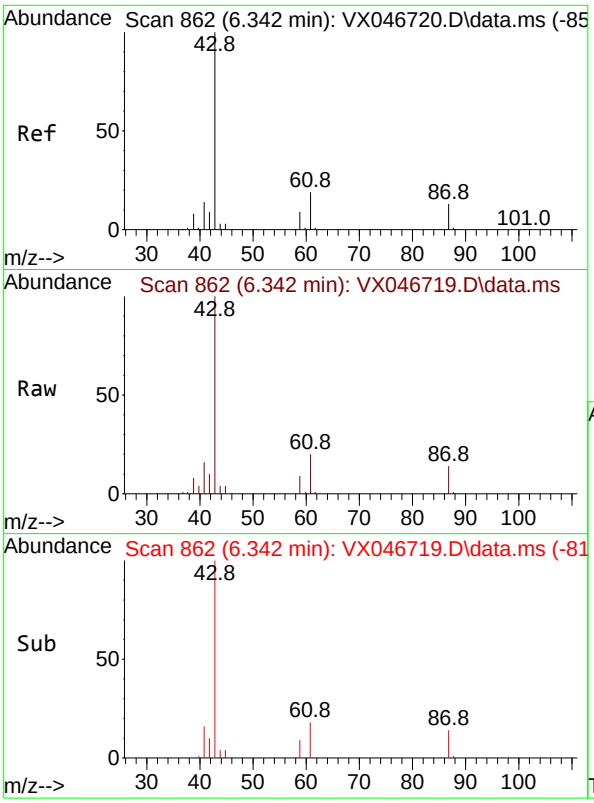




#42
1,2-Dichloroethane
Concen: 21.076 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 62 Resp: 47430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.8 |



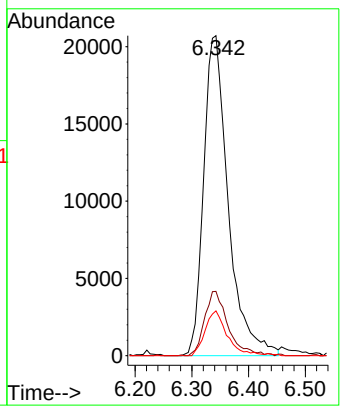


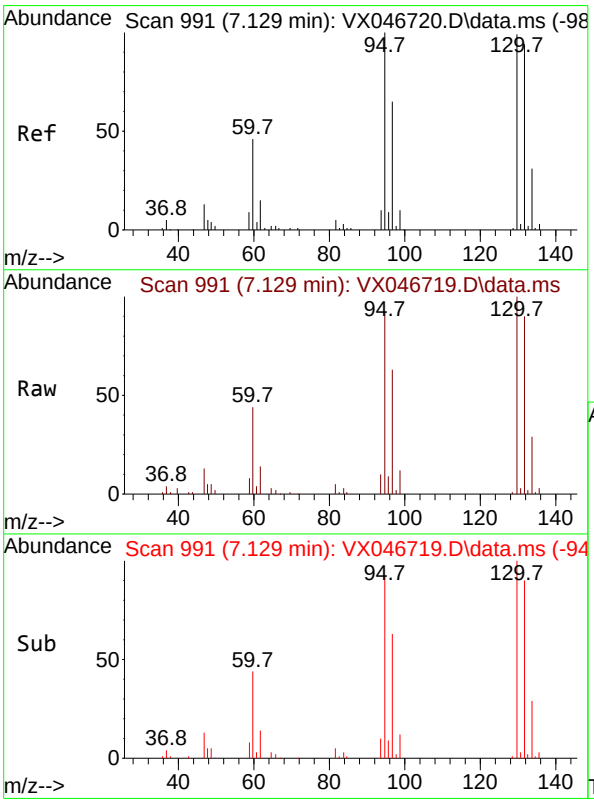

#43
Isopropyl Acetate
Concen: 19.975 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 62432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

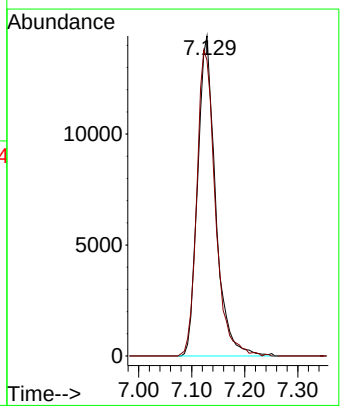


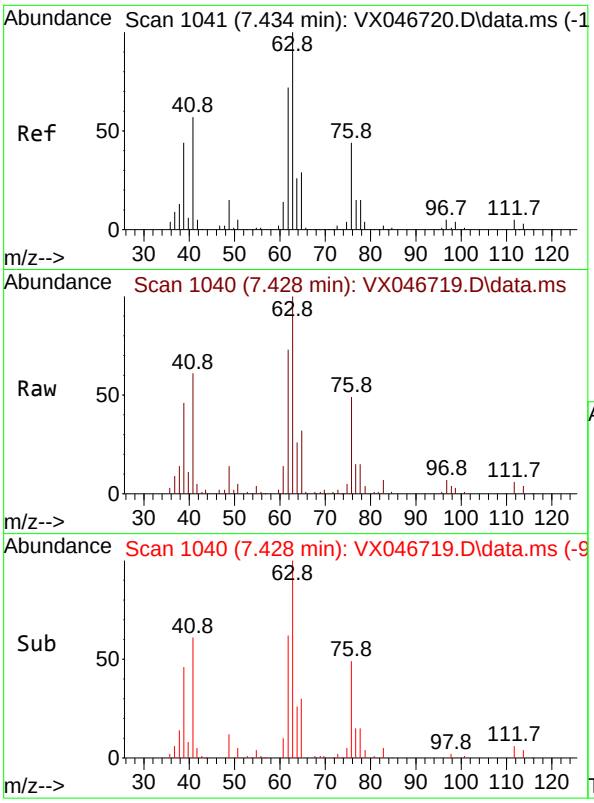




#44
Trichloroethene
Concen: 20.788 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:130 Resp: 33927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.1 | 0.0 | 202.6 |



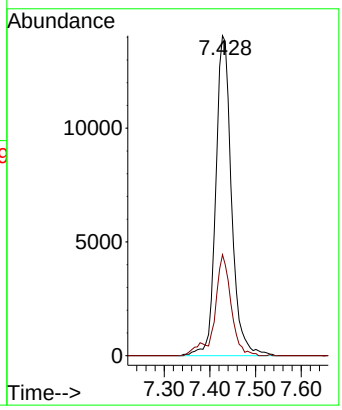


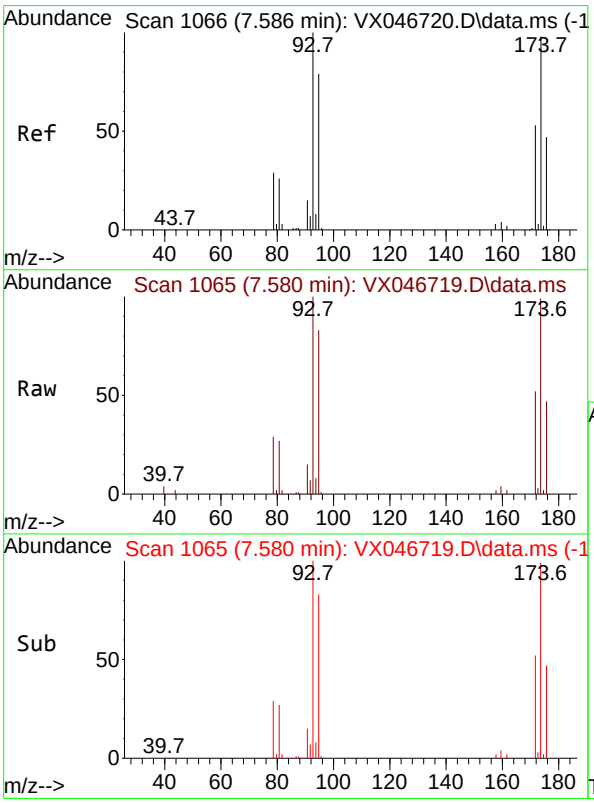

#45
1,2-Dichloropropane
Concen: 21.226 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 33688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 22.9 | 34.3 |

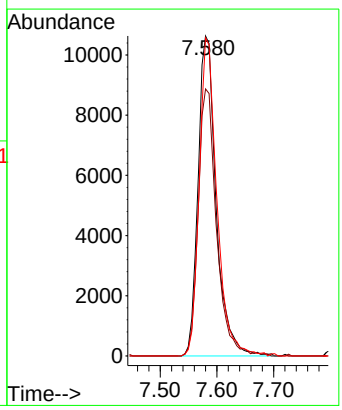


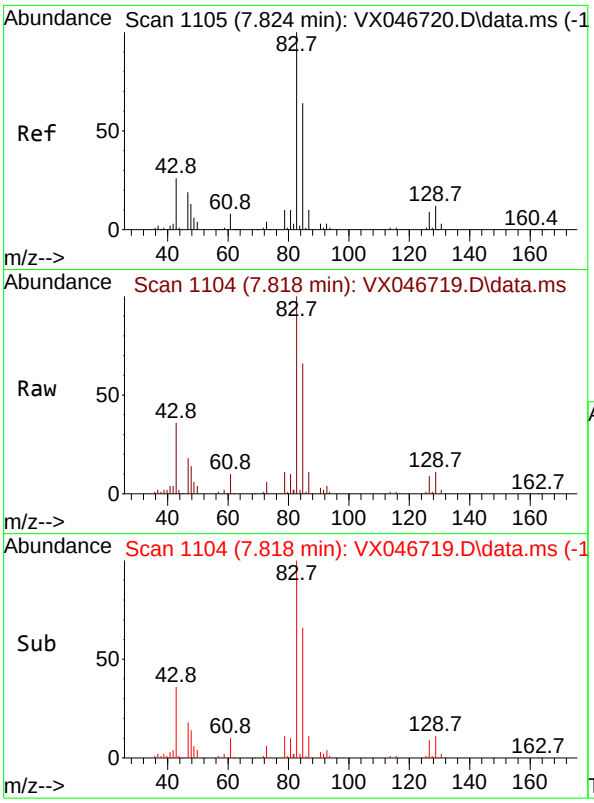




#46
Dibromomethane
Concen: 20.663 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 93 Resp: 23569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.2 | 99.4 |
| 174 | 97.1 | 77.0 | 115.6 |



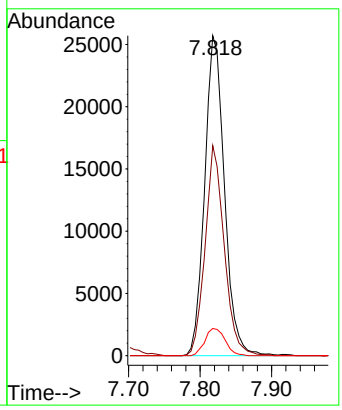


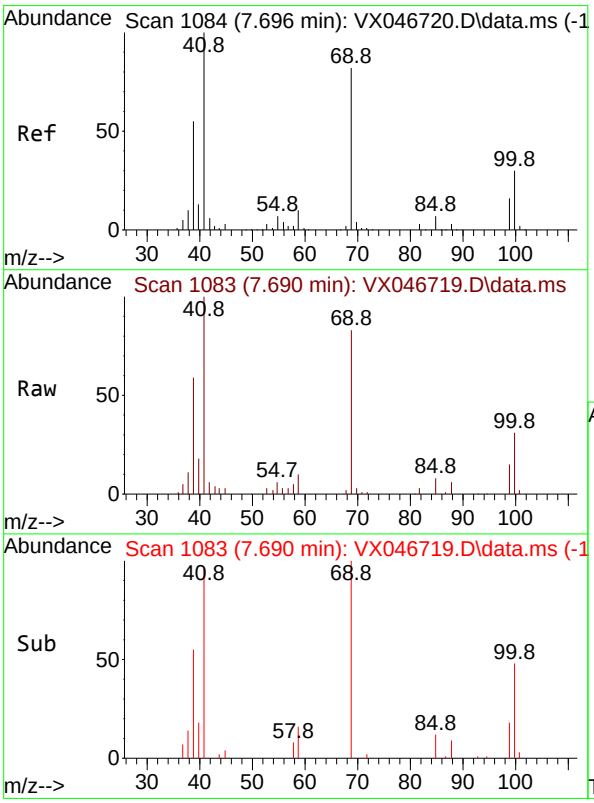

#47
Bromodichloromethane
Concen: 21.227 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 49411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |

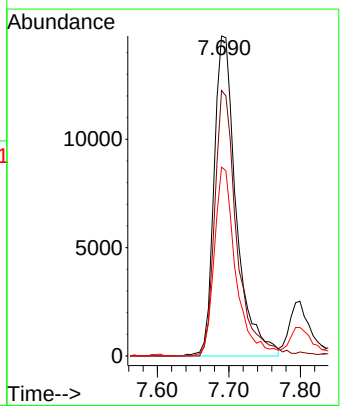


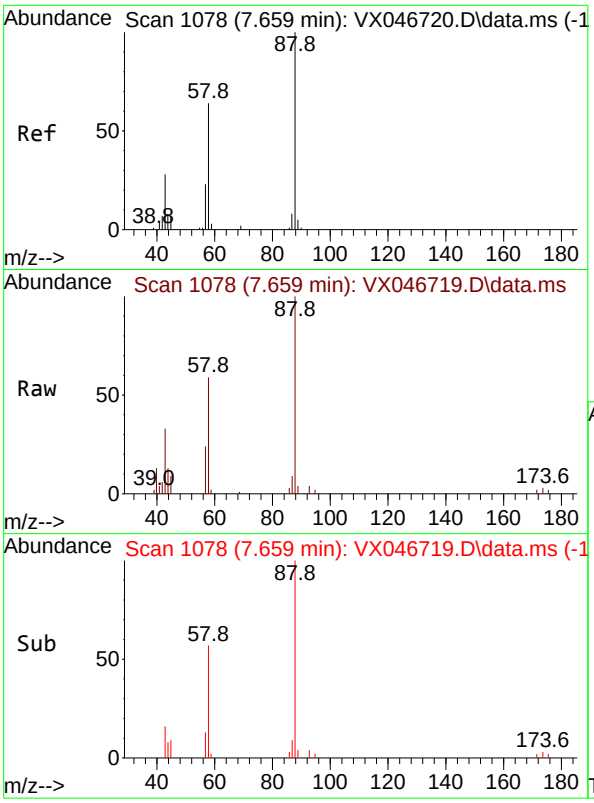




#48
Methyl methacrylate
Concen: 20.322 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 41 Resp: 31856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 63.4 | 95.2 |
| 39 | 57.2 | 45.4 | 68.0 |



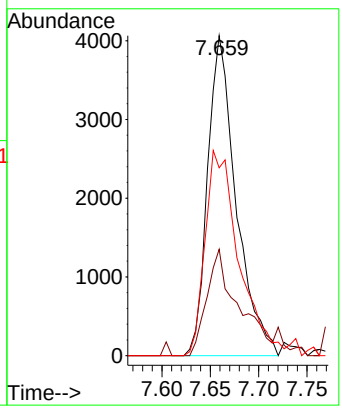


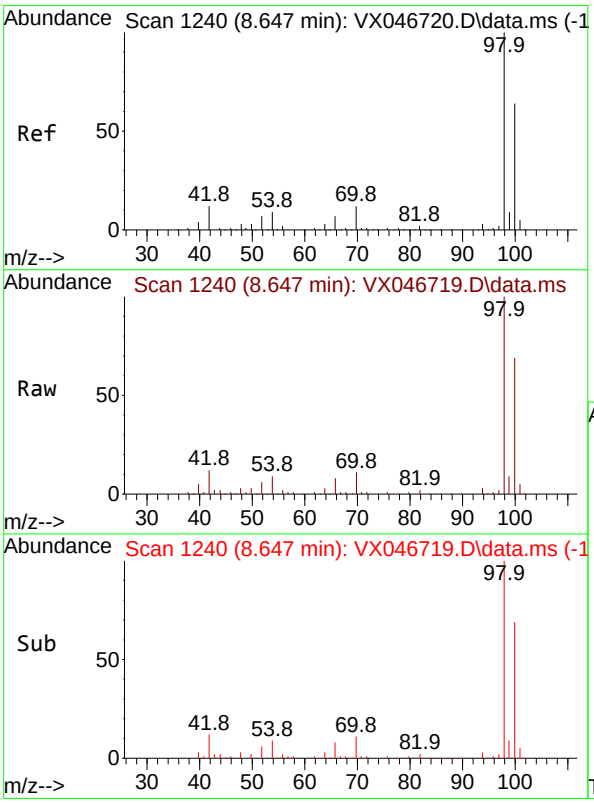

#49
1,4-Dioxane
Concen: 382.035 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 8340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.1 | 31.2 | 46.8 |
| 58 | 75.7 | 54.7 | 82.1 |

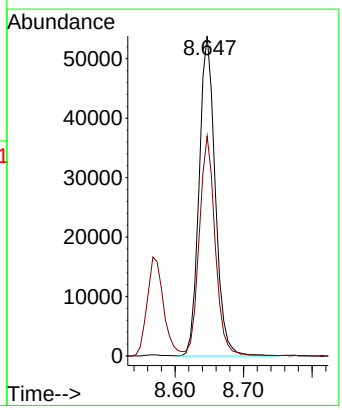


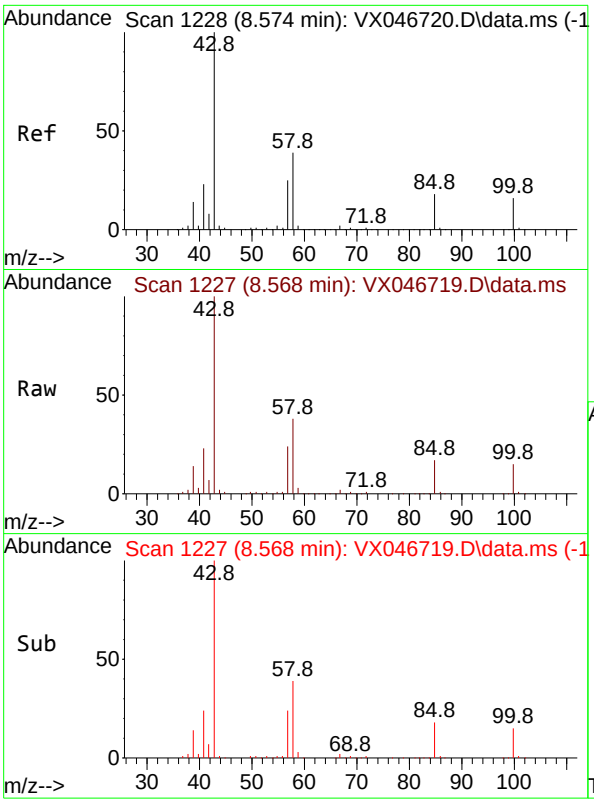




#50
Toluene-d8
Concen: 16.376 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 98 Resp: 88197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |



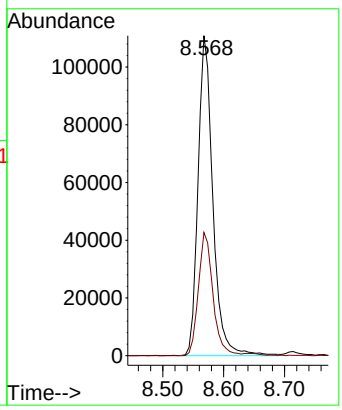


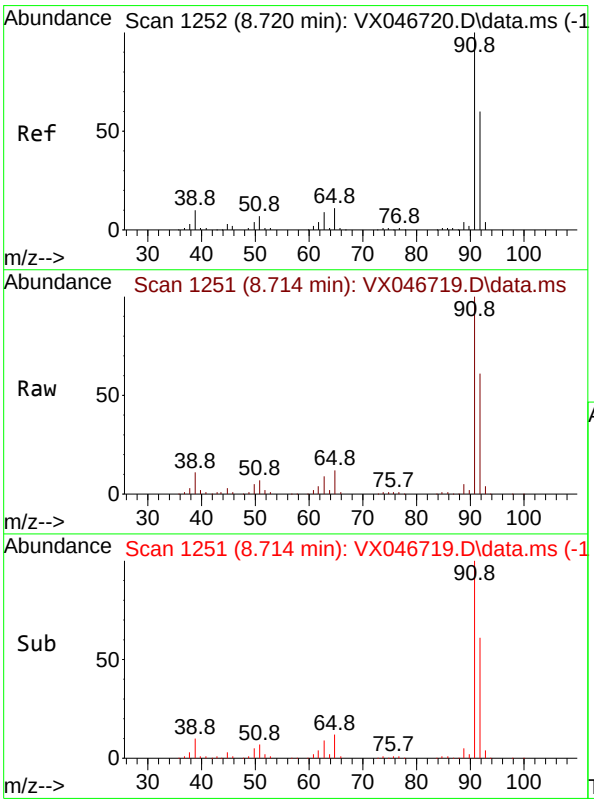

#51
4-Methyl-2-Pentanone
Concen: 100.586 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 187509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.8 | 46.2 |

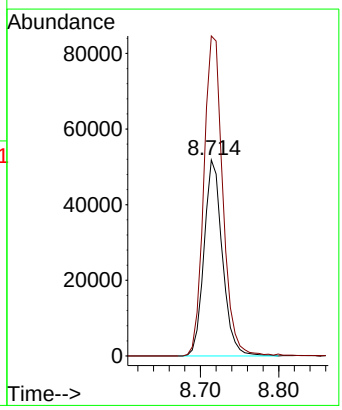


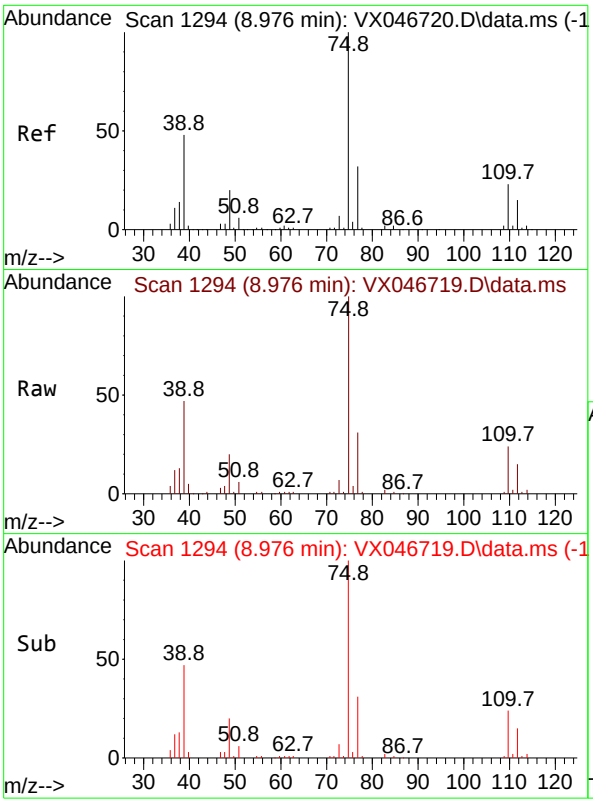




#52
Toluene
Concen: 21.166 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 92 Resp: 84030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 134.8 | 202.2 |



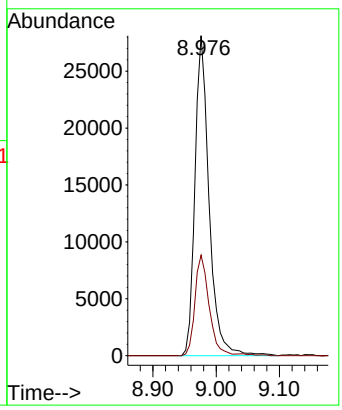


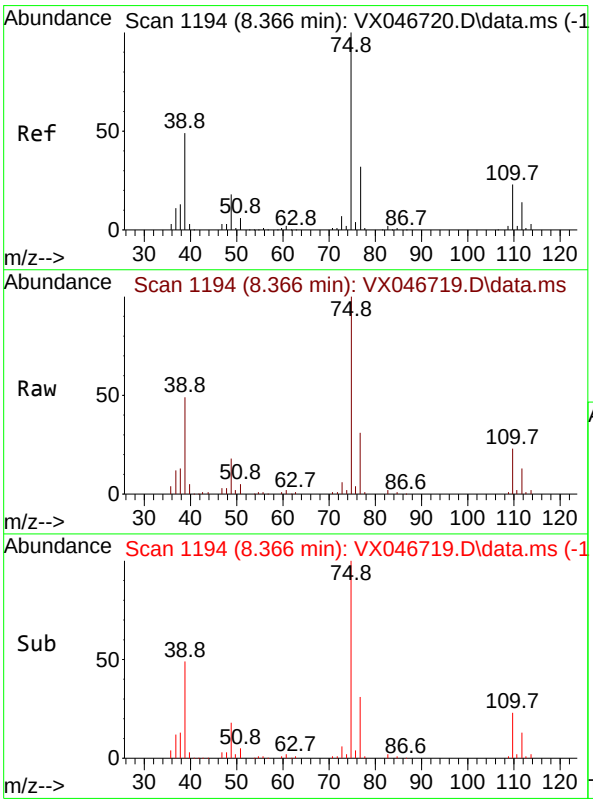

#53
t-1,3-Dichloropropene
Concen: 20.304 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 43852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.6 | 38.4 |

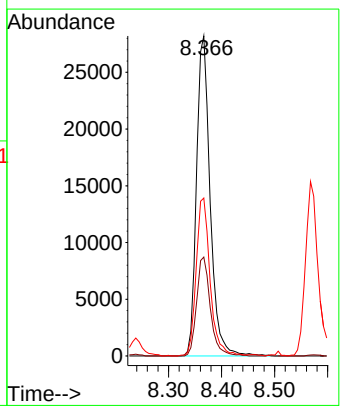


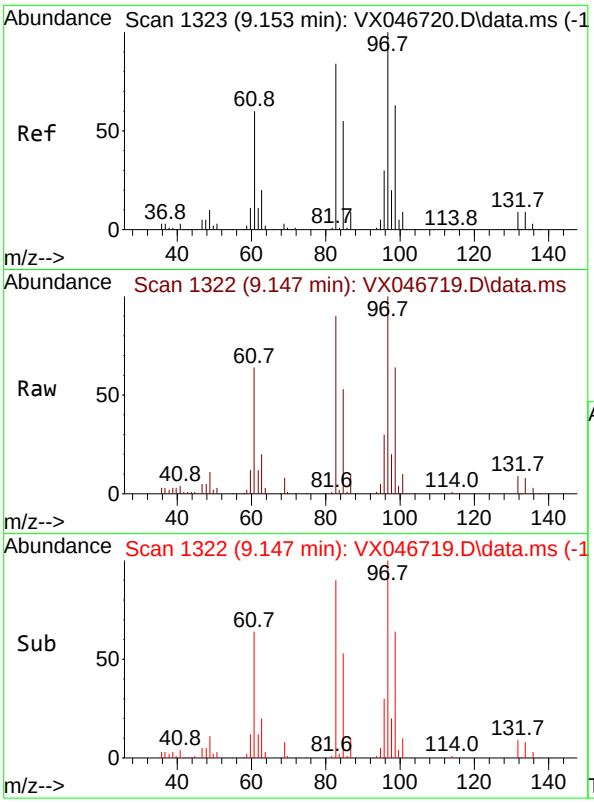




#54
cis-1,3-Dichloropropene
Concen: 20.526 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 50326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.3 | 37.9 |
| 39 | 47.9 | 39.2 | 58.8 |



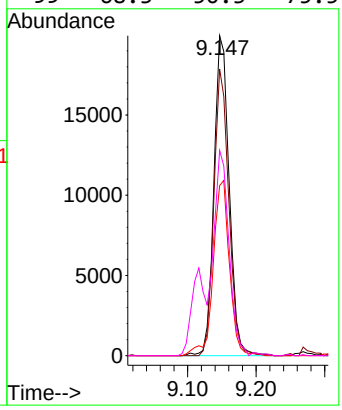


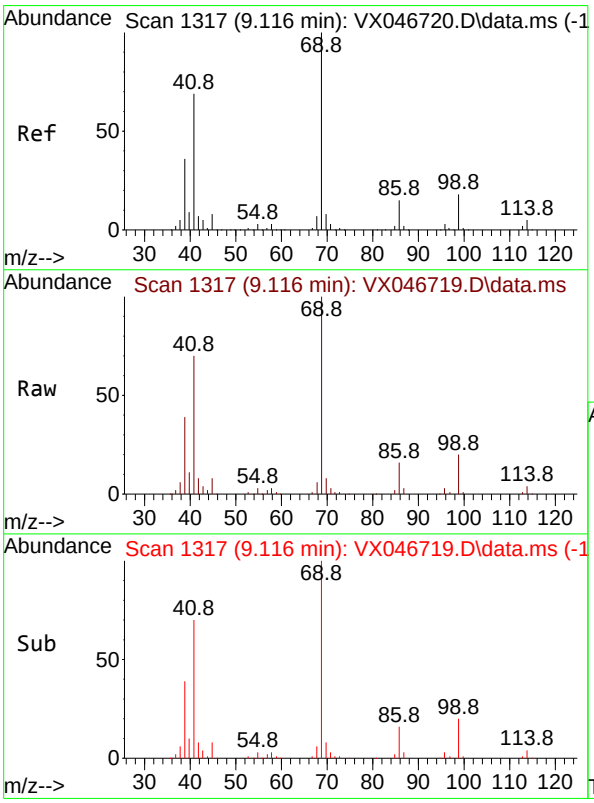

#55
1,1,2-Trichloroethane
Concen: 20.862 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 30865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 91.5 | 67.2 | 100.8 |
| 85 | 53.2 | 44.1 | 66.1 |
| 99 | 68.3 | 50.3 | 75.5 |

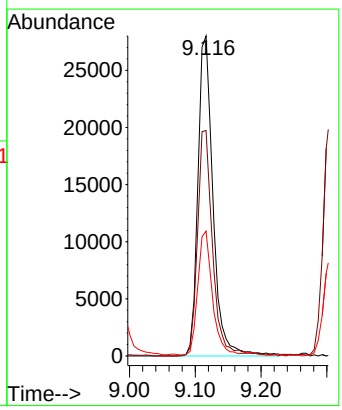


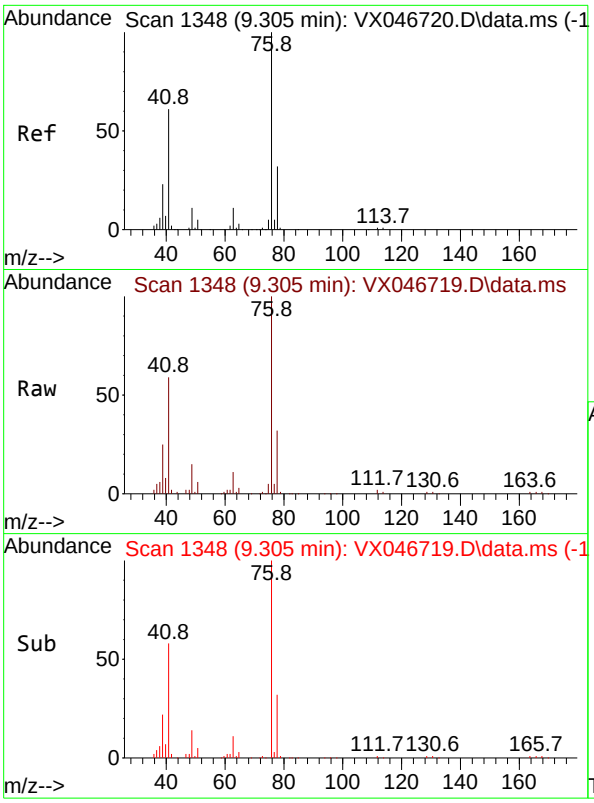




#56
Ethyl methacrylate
Concen: 20.468 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 69 Resp: 44702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |



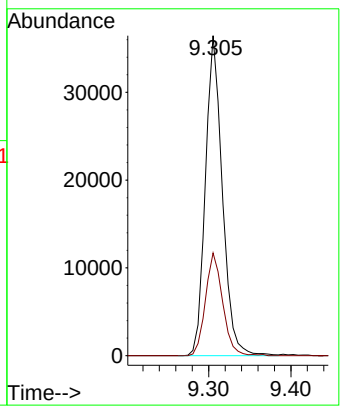


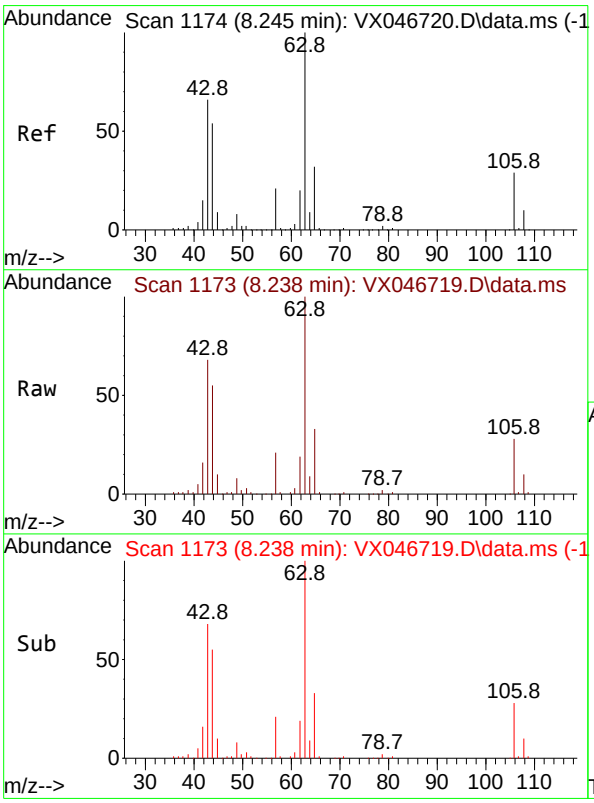

#57
1,3-Dichloropropane
Concen: 20.480 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 52181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 25.7 | 38.5 |

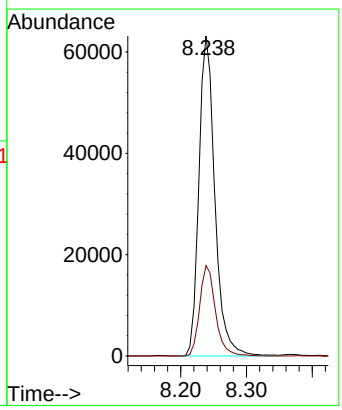


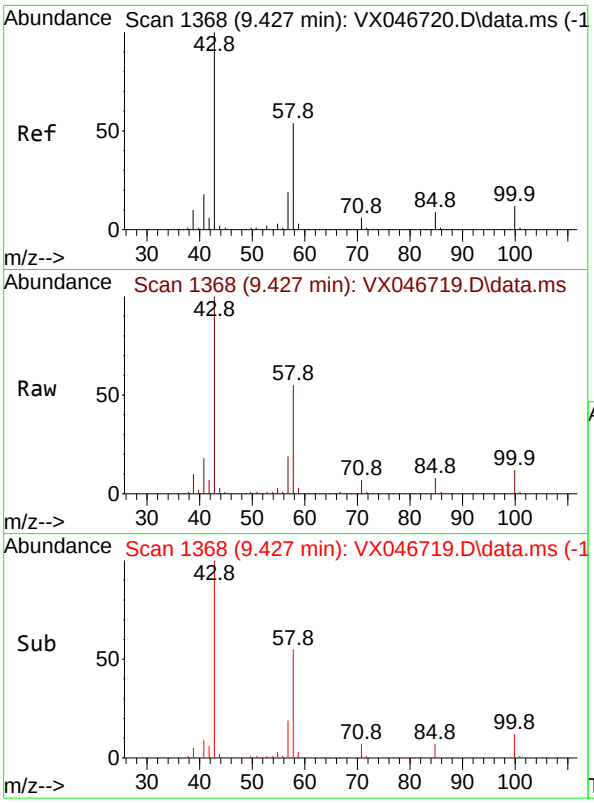




#58
2-Chloroethyl Vinyl ether
Concen: 93.878 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 63 Resp: 106505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 22.6 | 34.0 |



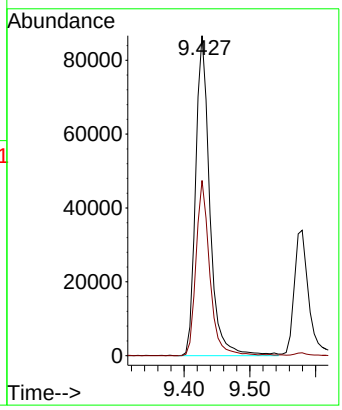


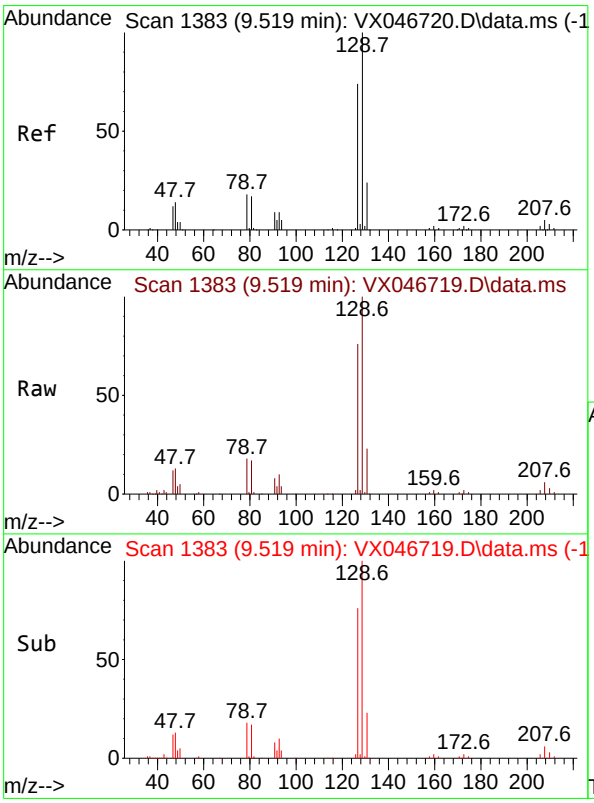

#59
2-Hexanone
Concen: 100.265 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 129218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.8 | 26.8 | 80.4 |

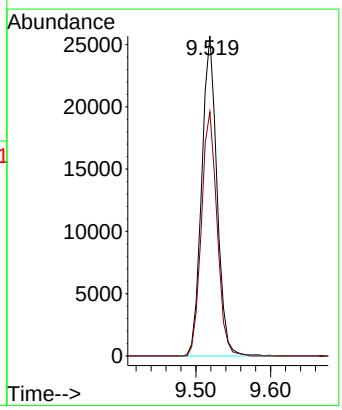


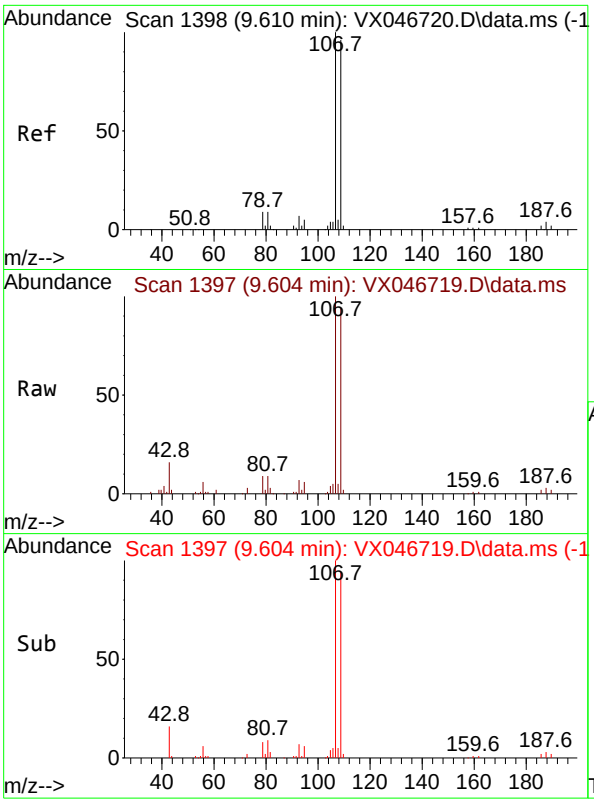




#60
Dibromochloromethane
Concen: 20.872 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:129 Resp: 36392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.4 | 115.2 |



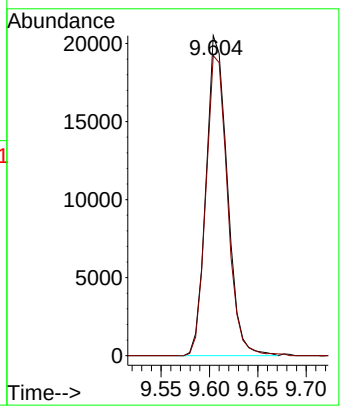


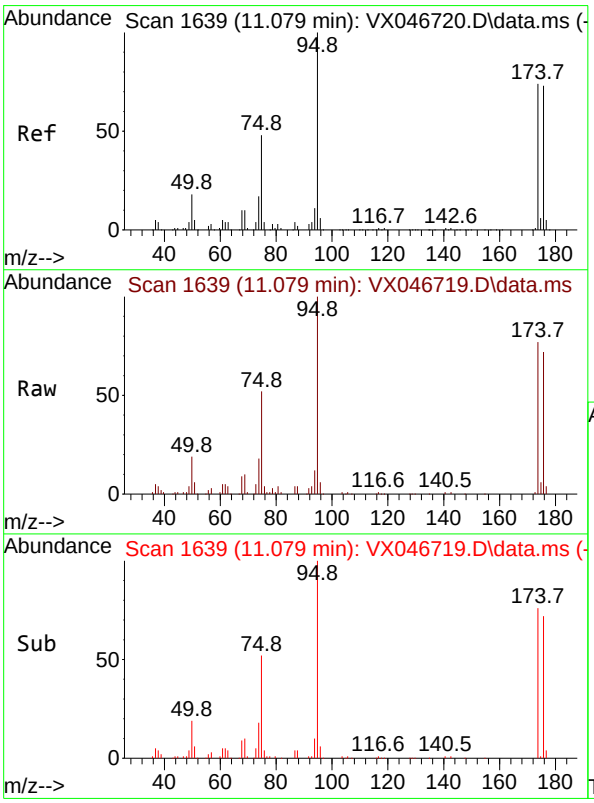

#61
1,2-Dibromoethane
Concen: 20.936 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 31507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 75.8 | 113.6 |

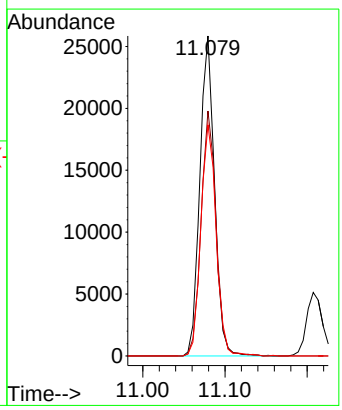


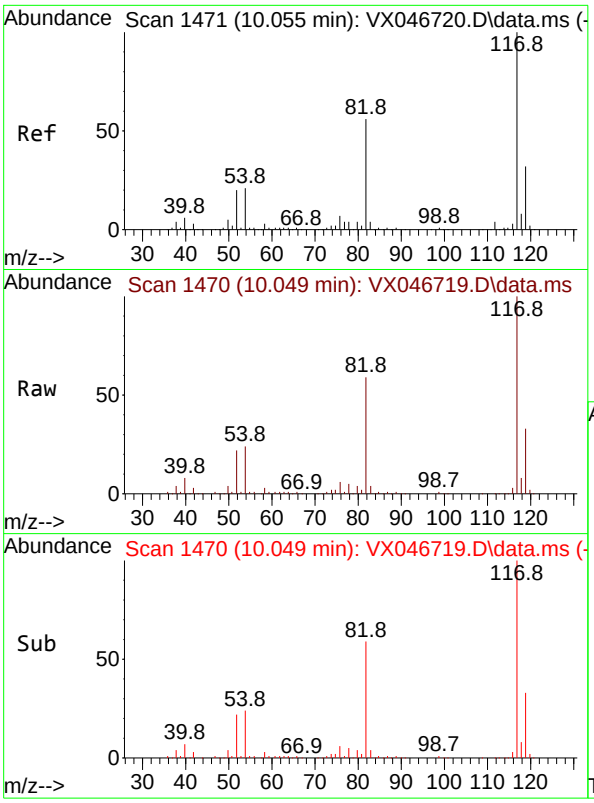




#62
4-Bromofluorobenzene
Concen: 15.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 95 Resp: 32067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.1 | 0.0 | 150.4 |
| 176 | 75.2 | 0.0 | 145.0 |



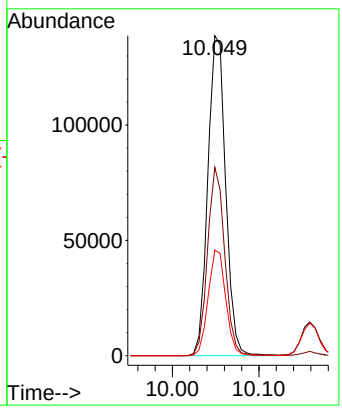


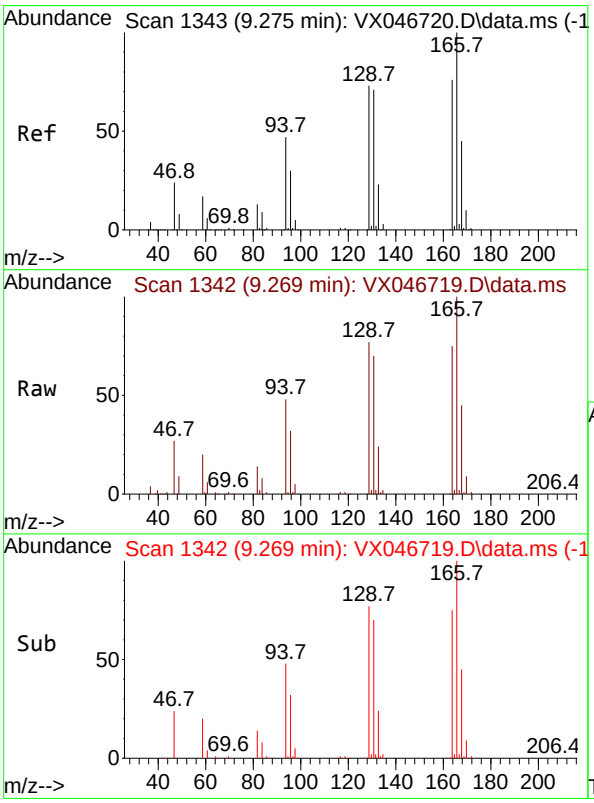

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 197947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.9 | 44.6 | 66.8 |
| 119 | 33.0 | 25.8 | 38.8 |

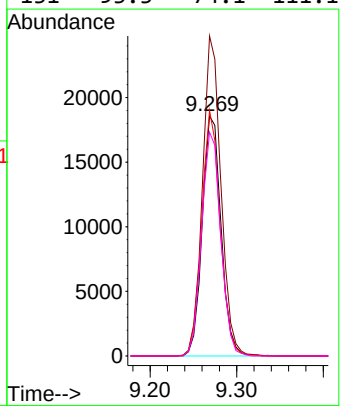


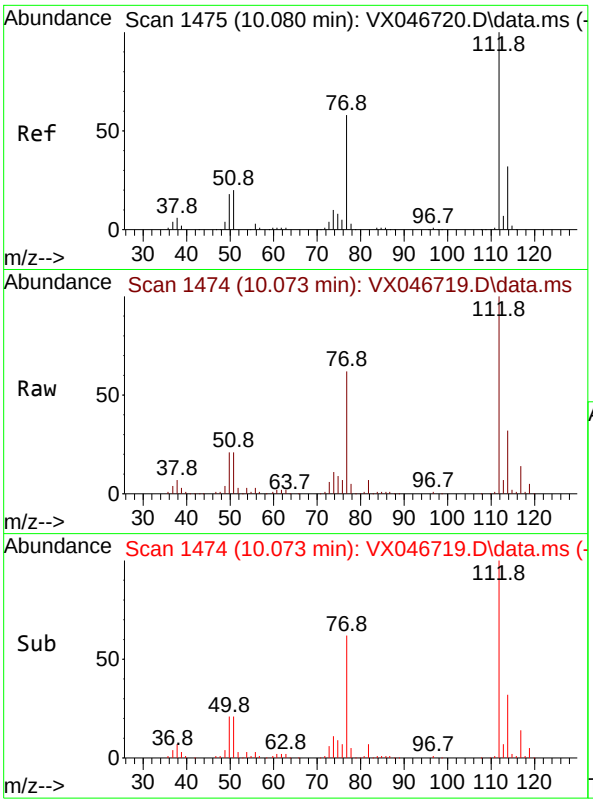




#64
Tetrachloroethene
Concen: 20.408 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:164 Resp: 27988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.4 | 104.6 | 157.0 |
| 129 | 102.4 | 76.3 | 114.5 |
| 131 | 93.3 | 74.1 | 111.1 |



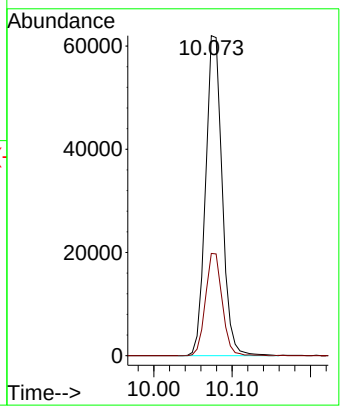


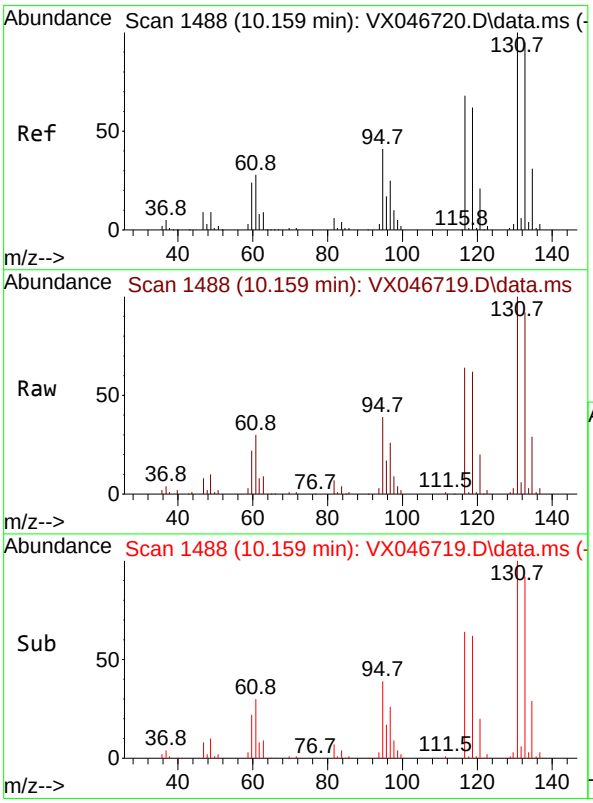

#65
Chlorobenzene
Concen: 20.796 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 90868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |

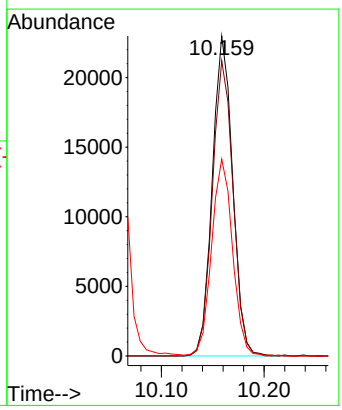


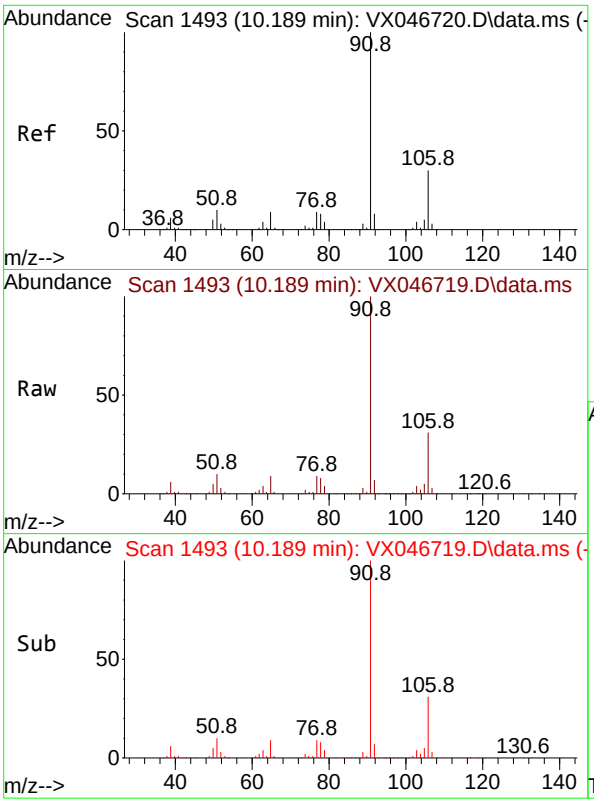




#66
1,1,1,2-Tetrachloroethane
Concen: 21.455 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:131 Resp: 31508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 47.3 | 141.8 |
| 119 | 63.4 | 32.1 | 96.3 |



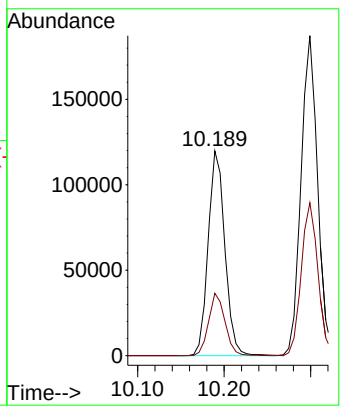


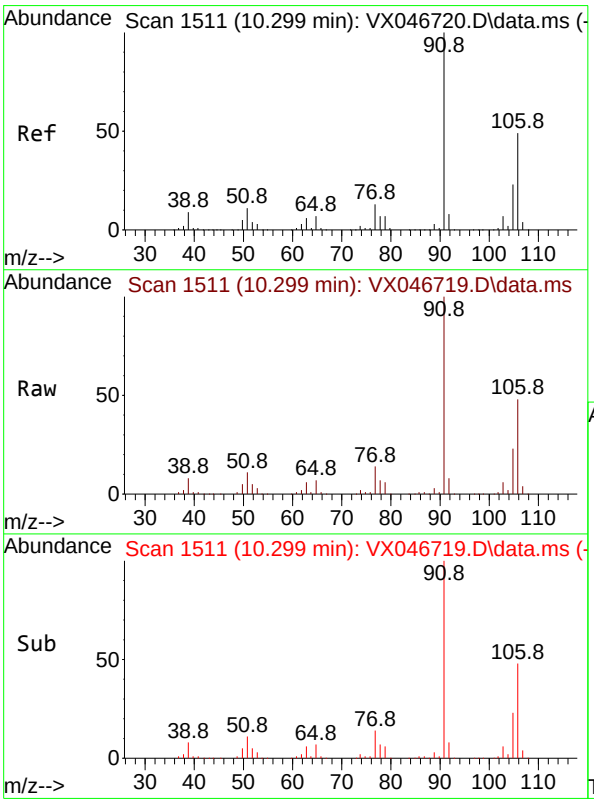

#67
Ethyl Benzene
Concen: 21.056 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 160761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |

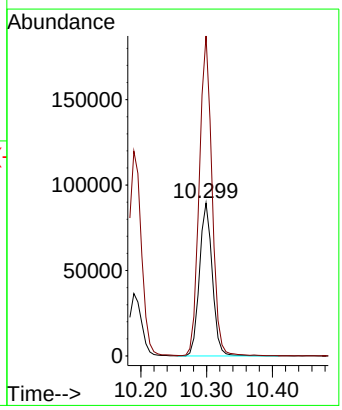


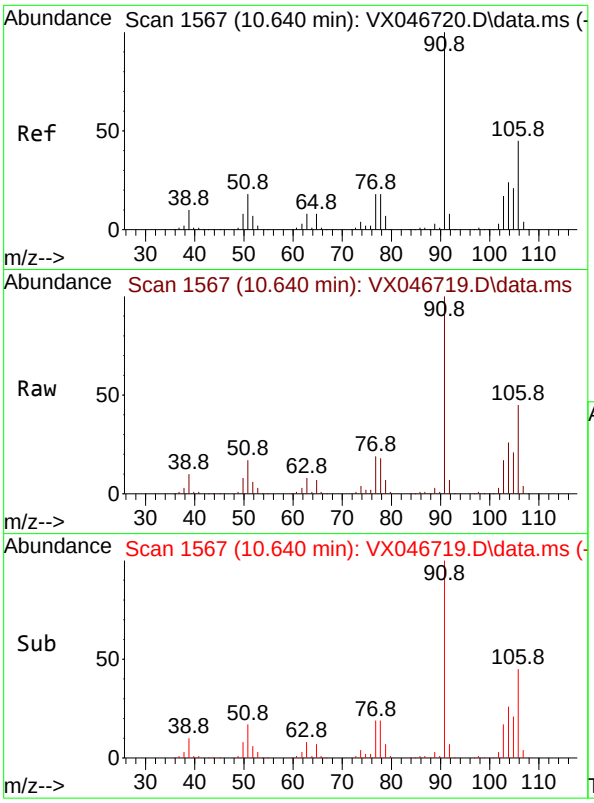




#68
m/p-Xylenes
Concen: 42.539 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:106 Resp: 121014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.7 | 164.8 | 247.2 |



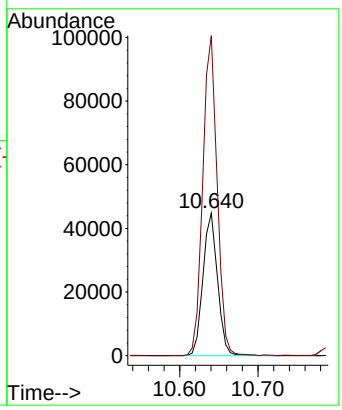


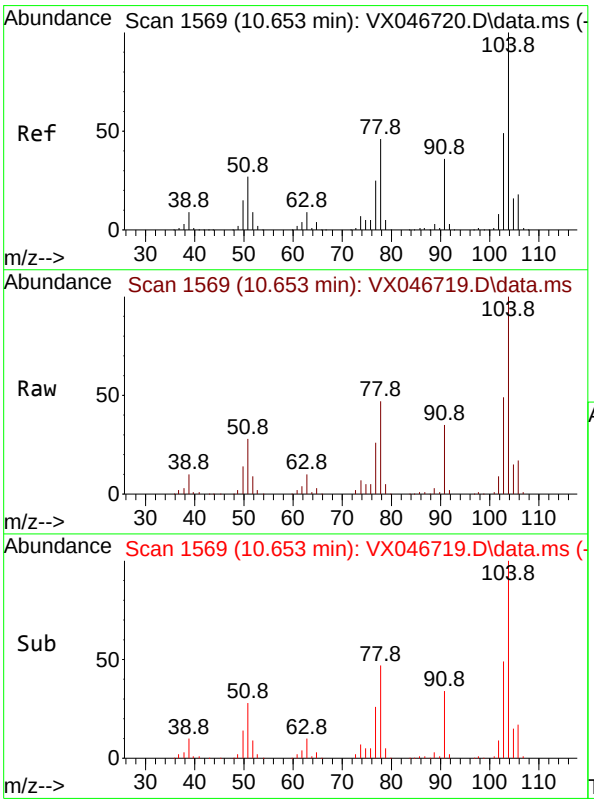

#69
o-Xylene
Concen: 21.638 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 57689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.2 | 111.3 | 333.9 |

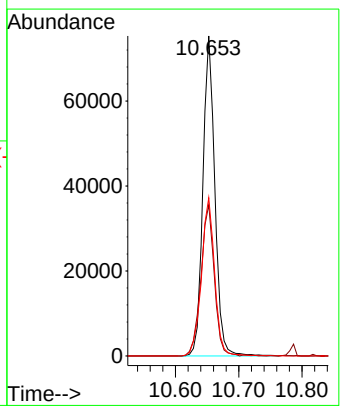


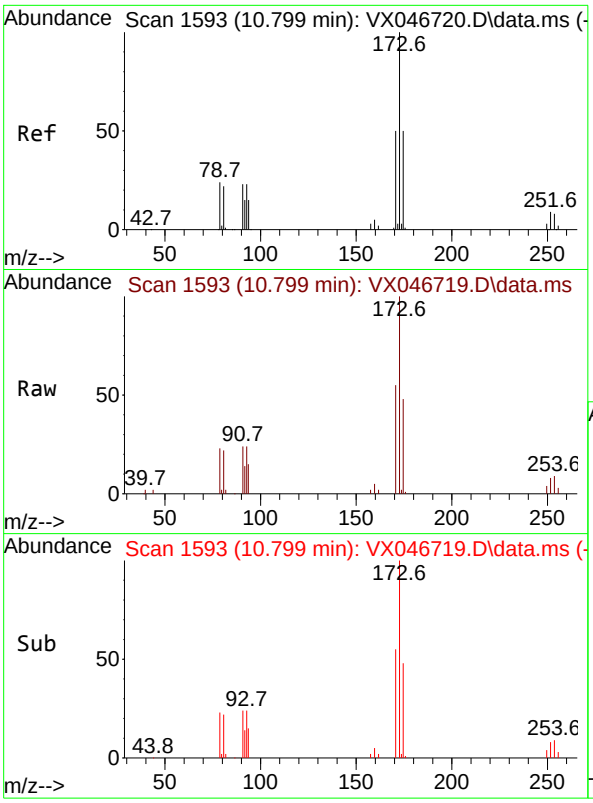




#70
Styrene
Concen: 21.318 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:104 Resp: 99462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.6 | 41.4 | 62.2 |
| 103 | 54.4 | 43.1 | 64.7 |



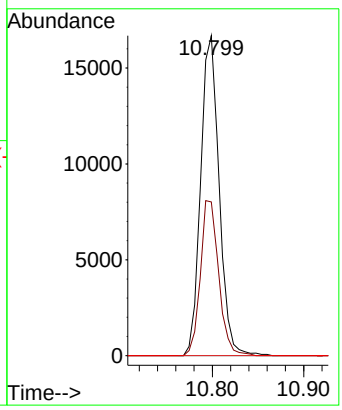


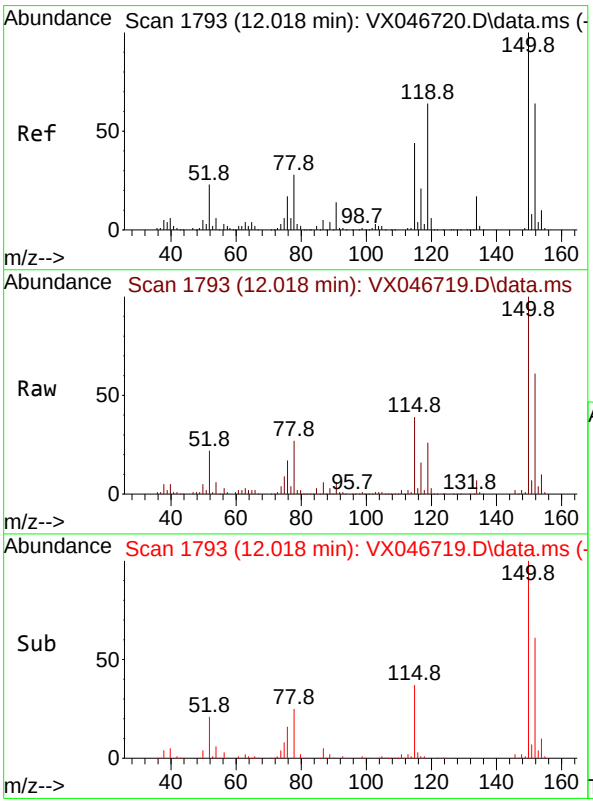

#71
Bromoform
Concen: 20.898 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 23372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

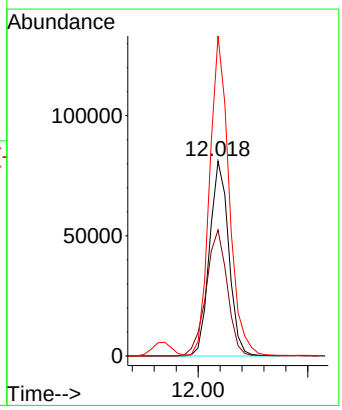


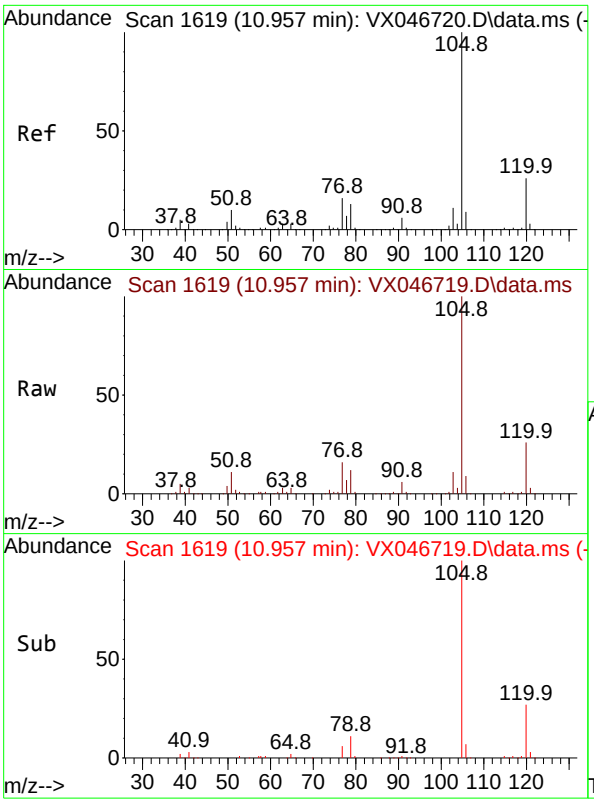




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:152 Resp: 98285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.7 | 43.2 | 129.6 |
| 150 | 166.5 | 0.0 | 346.8 |



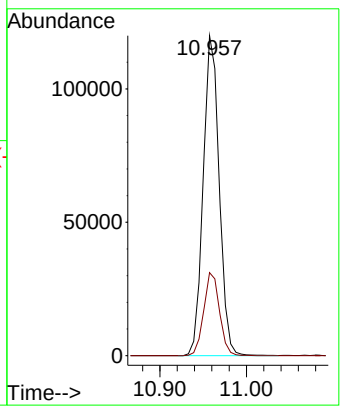


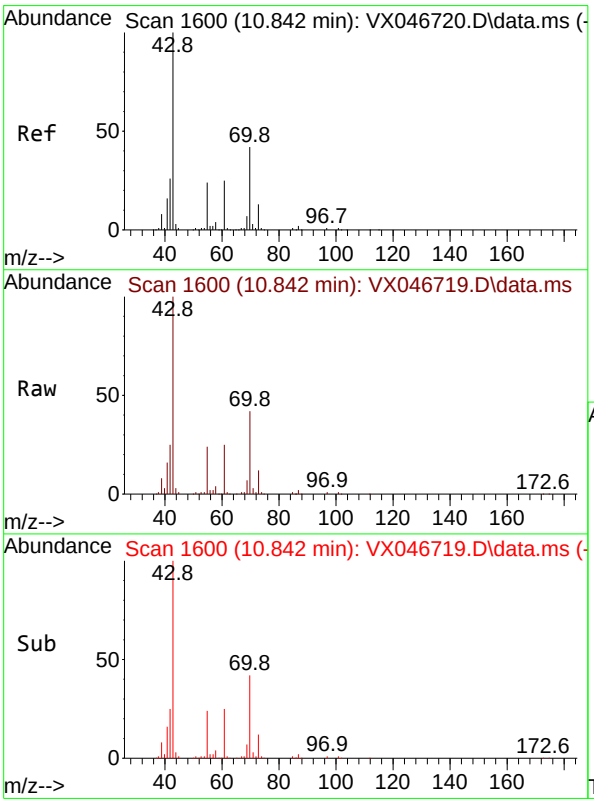

#73
Isopropylbenzene
Concen: 21.255 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 153861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 39.0 |

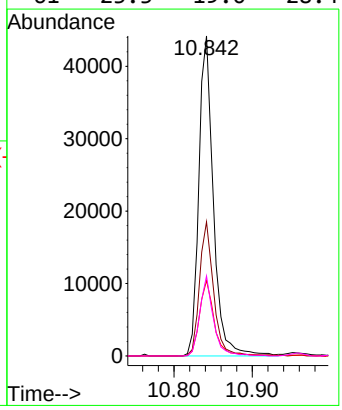


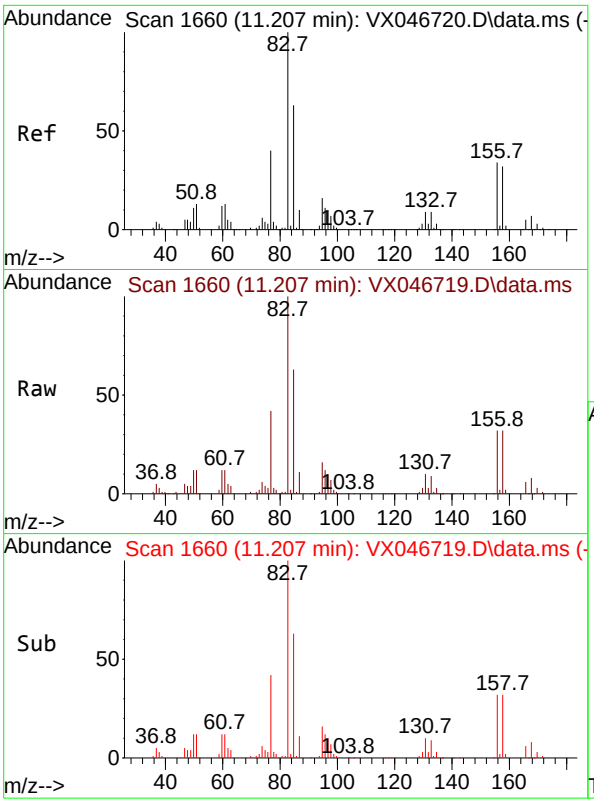




#74
N-amyl acetate
Concen: 20.851 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 43 Resp: 57185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.3 | 19.0 | 28.4 |



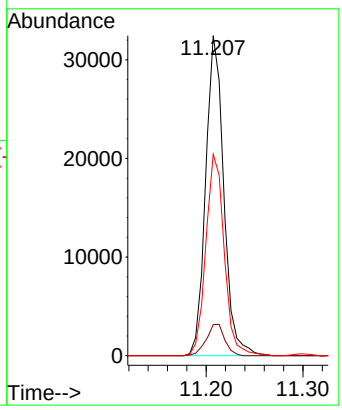


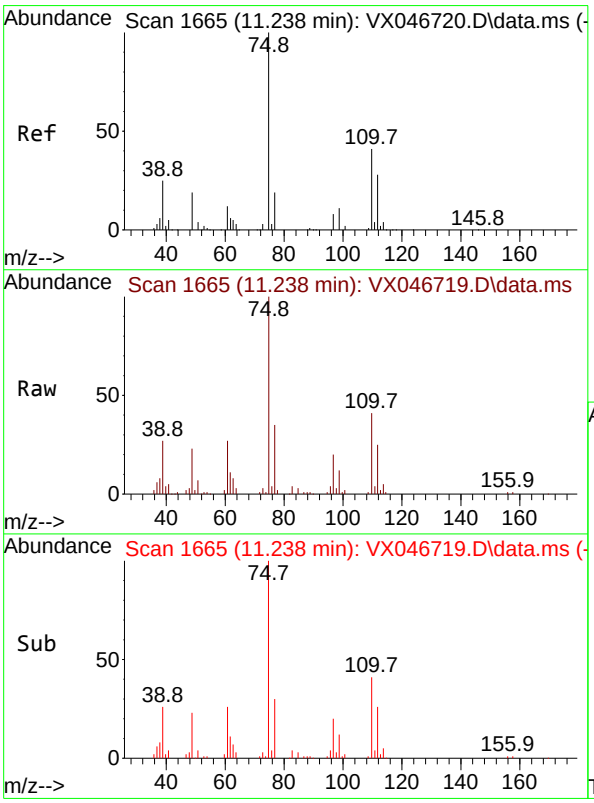

#75
1,1,2,2-Tetrachloroethane
Concen: 20.914 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 42272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.0 | 32.0 | 96.0 |

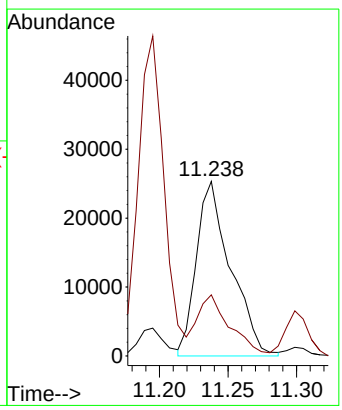


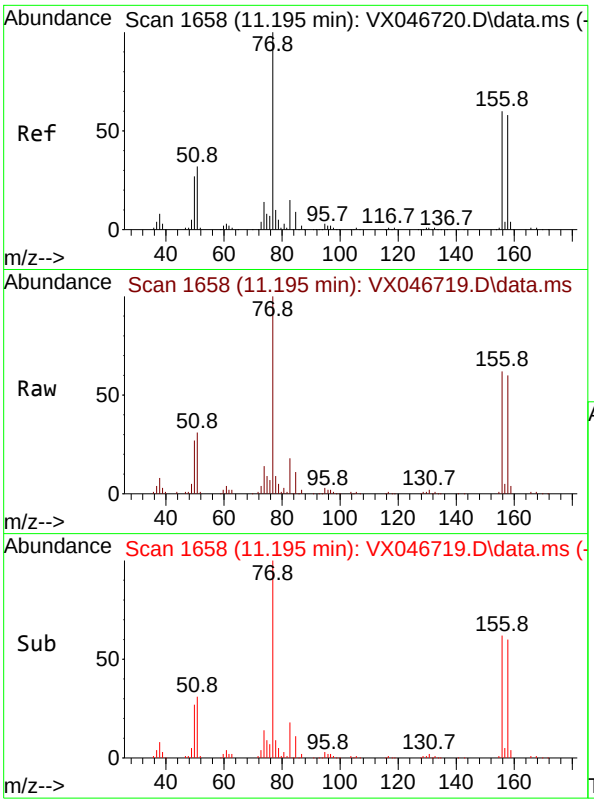




#76
1,2,3-Trichloropropane
Concen: 22.117 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 44152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.9 | 18.5 | 55.5 |



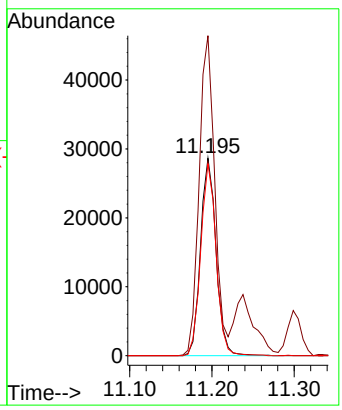


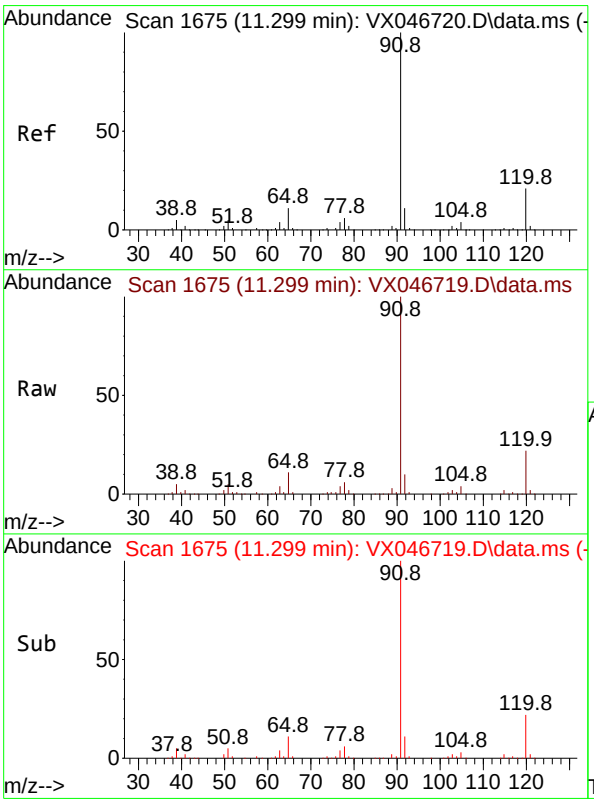

#77
Bromobenzene
Concen: 21.507 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 37464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 163.6 | 82.8 | 248.6 |
| 158 | 96.6 | 47.6 | 142.9 |

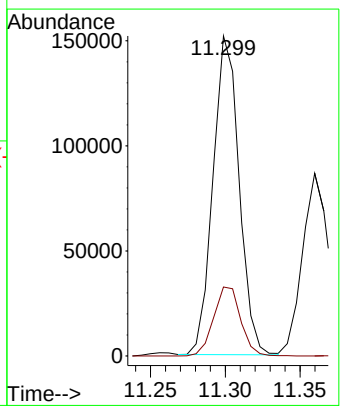


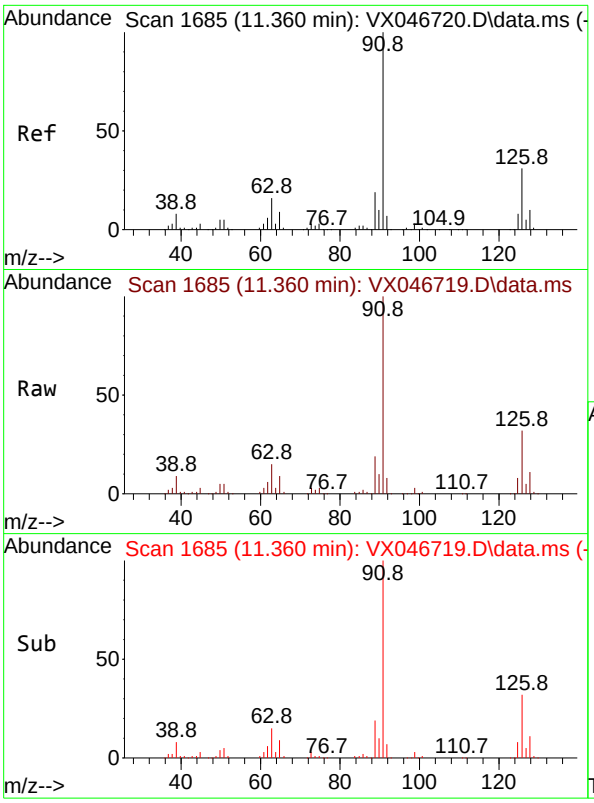




#78
n-propylbenzene
Concen: 21.410 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 91 Resp: 184078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |



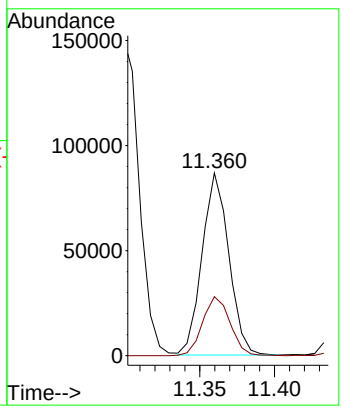


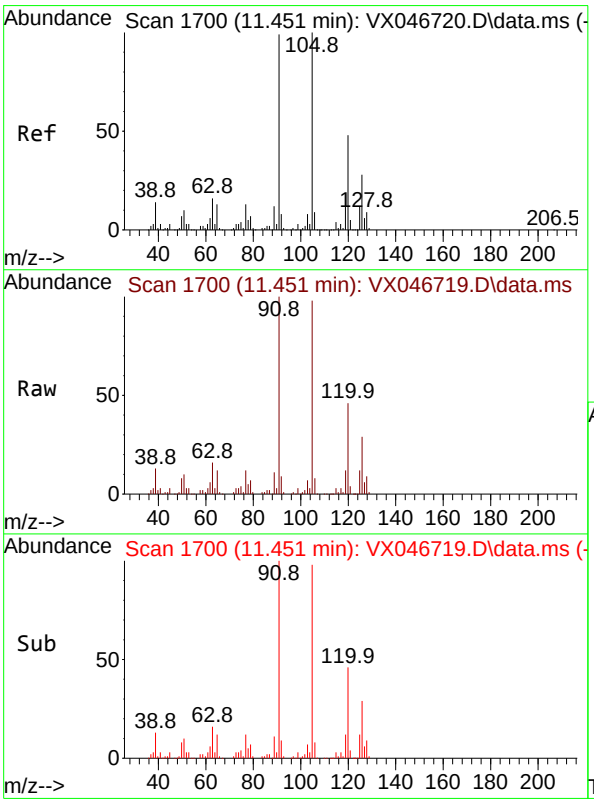

#79
2-Chlorotoluene
Concen: 20.952 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 107552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

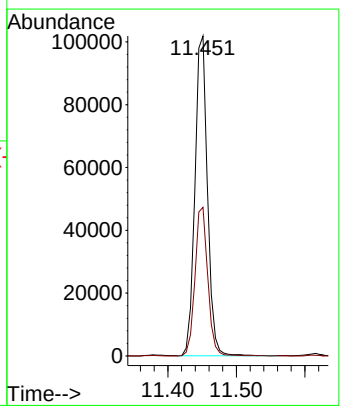


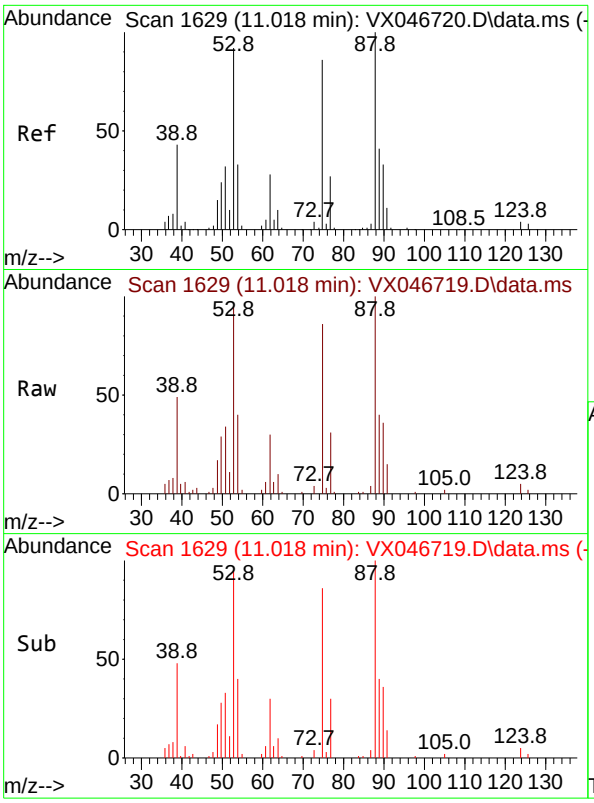




#80
1,3,5-Trimethylbenzene
Concen: 21.793 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 129635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.1 | 72.2 |



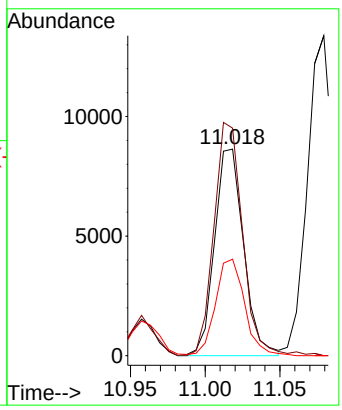


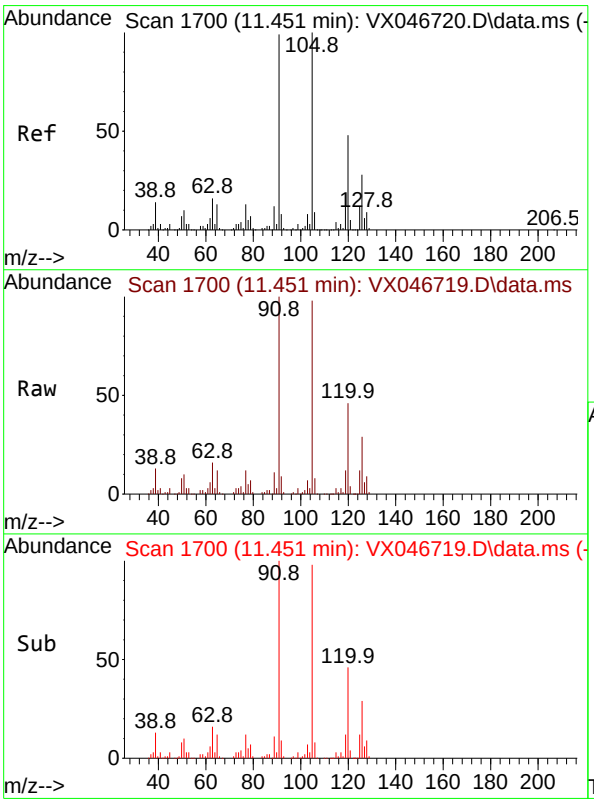

#81
trans-1,4-Dichloro-2-butene
Concen: 18.362 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 11694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.5 | 86.8 | 130.2 |
| 89 | 46.7 | 36.9 | 55.3 |

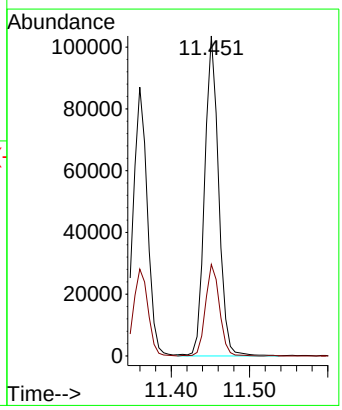


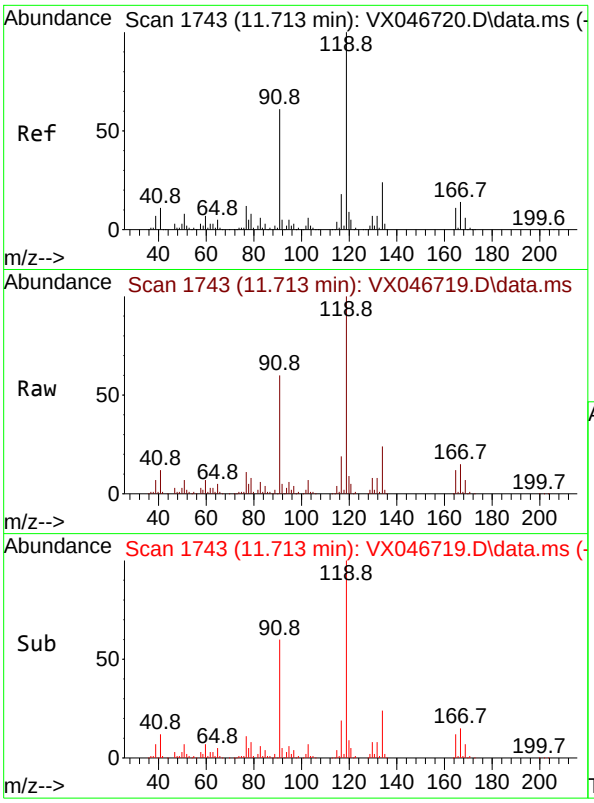




#82
4-Chlorotoluene
Concen: 21.358 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 91 Resp: 127954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.4 | 43.2 |



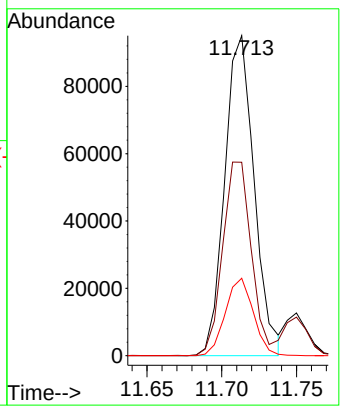


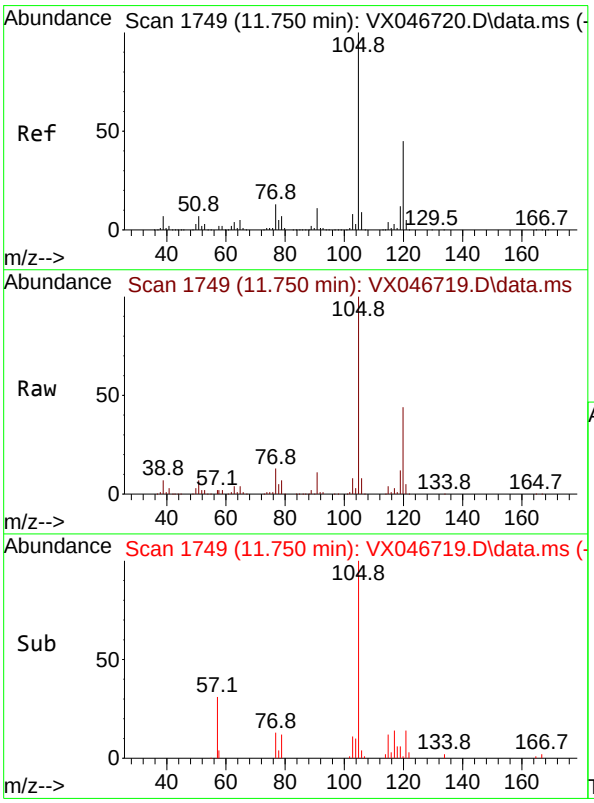

#83
tert-Butylbenzene
Concen: 21.201 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 130359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |

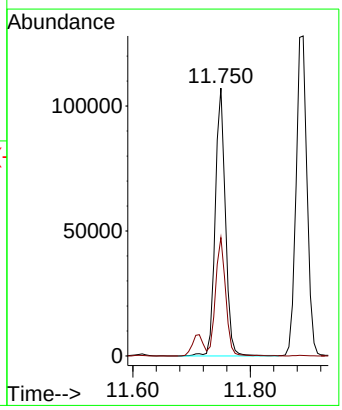


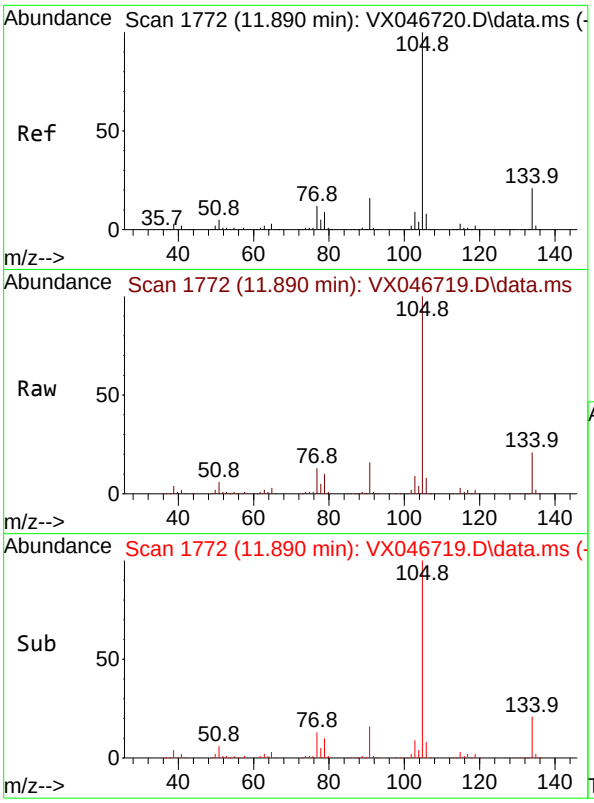




#84
1,2,4-Trimethylbenzene
Concen: 21.512 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:105 Resp: 128566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.3 |



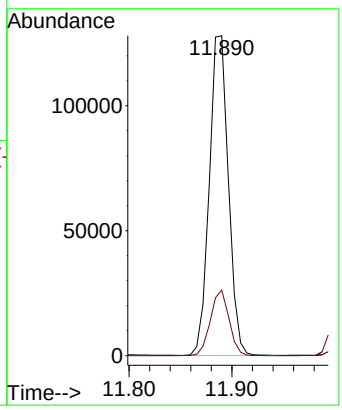


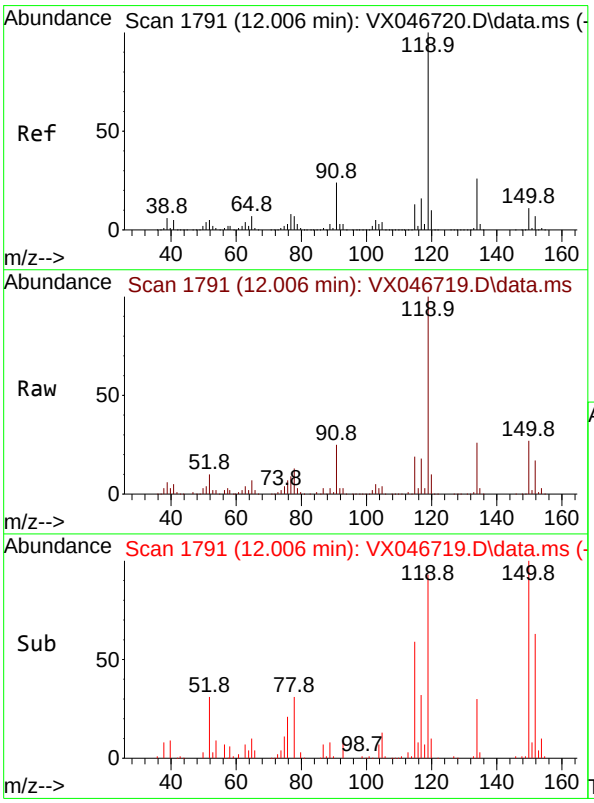

#85
sec-Butylbenzene
Concen: 21.239 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 165047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |

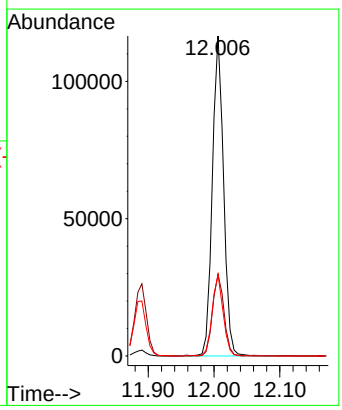


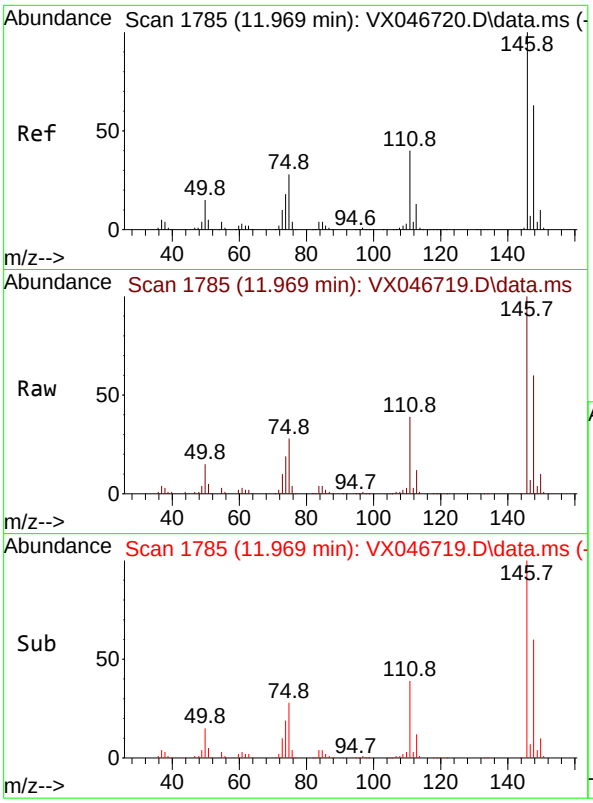




#86
p-Isopropyltoluene
Concen: 21.142 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:119 Resp: 138623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.8 | 12.3 | 36.9 |



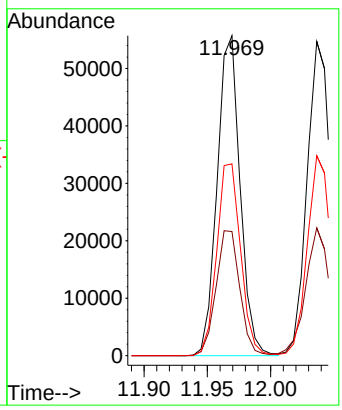


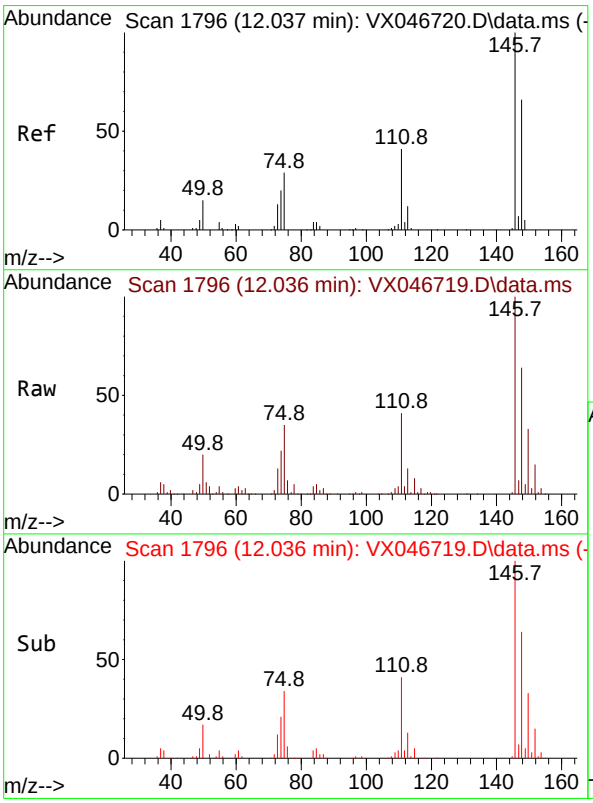

#87
1,3-Dichlorobenzene
Concen: 20.681 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 70243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.6 | 61.8 |
| 148 | 62.4 | 31.6 | 94.8 |

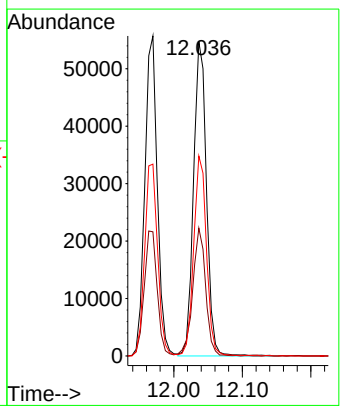


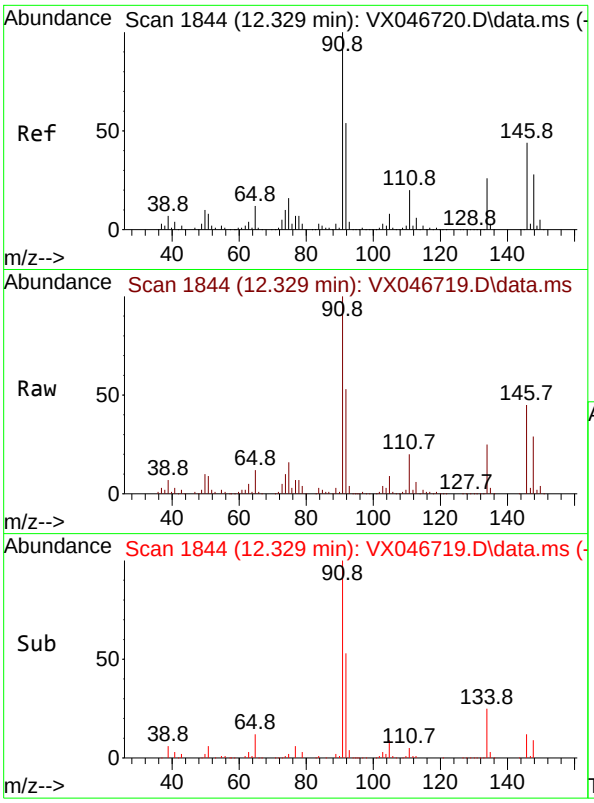




#88
1,4-Dichlorobenzene
Concen: 20.625 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:146 Resp: 71953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 62.6 | 32.1 | 96.5 |



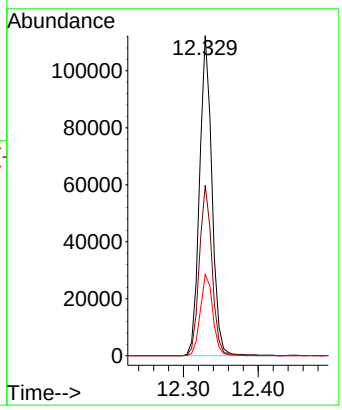


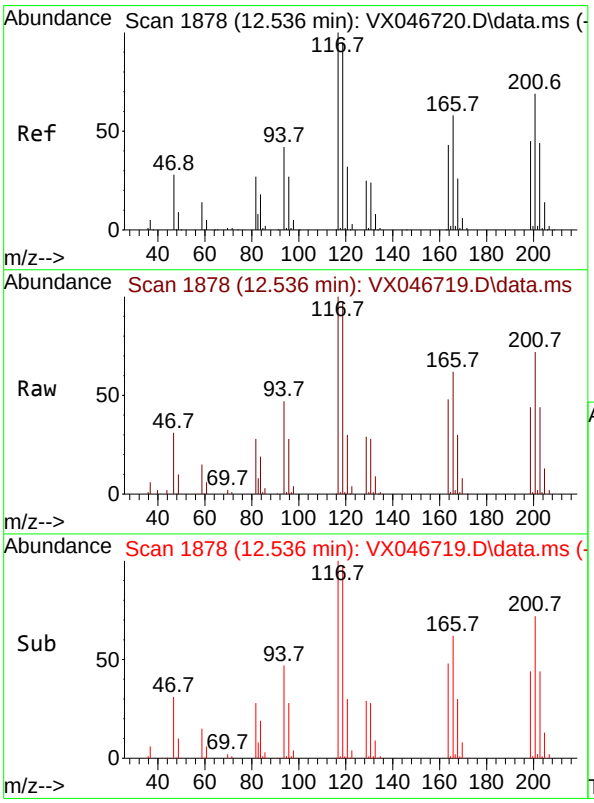

#89
n-Butylbenzene
Concen: 20.738 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 129101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.8 | 12.9 | 38.6 |

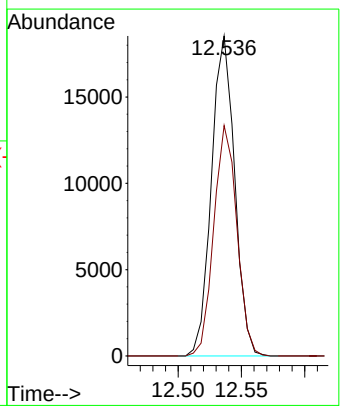


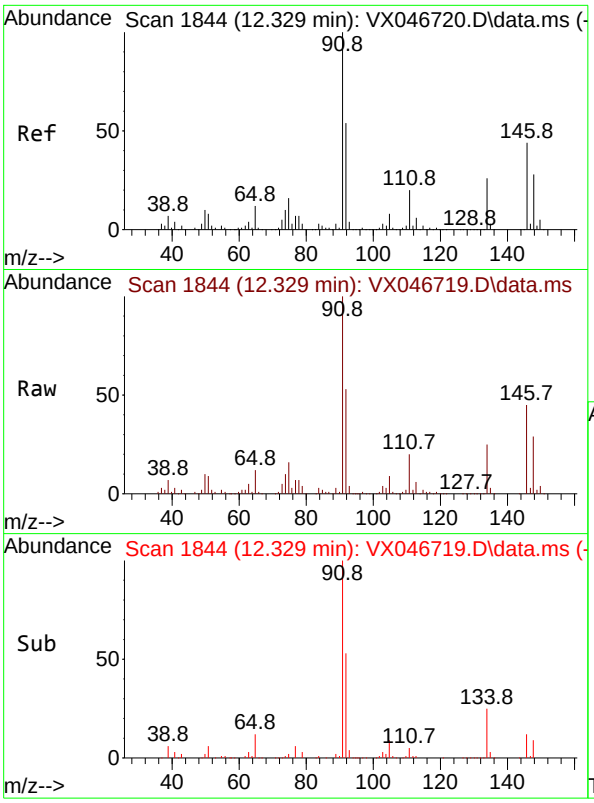




#90
Hexachloroethane
Concen: 20.594 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:117 Resp: 23645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.6 | 34.4 | 103.3 |



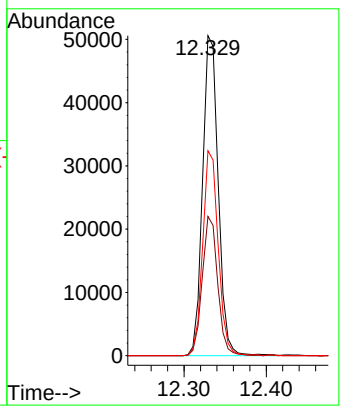


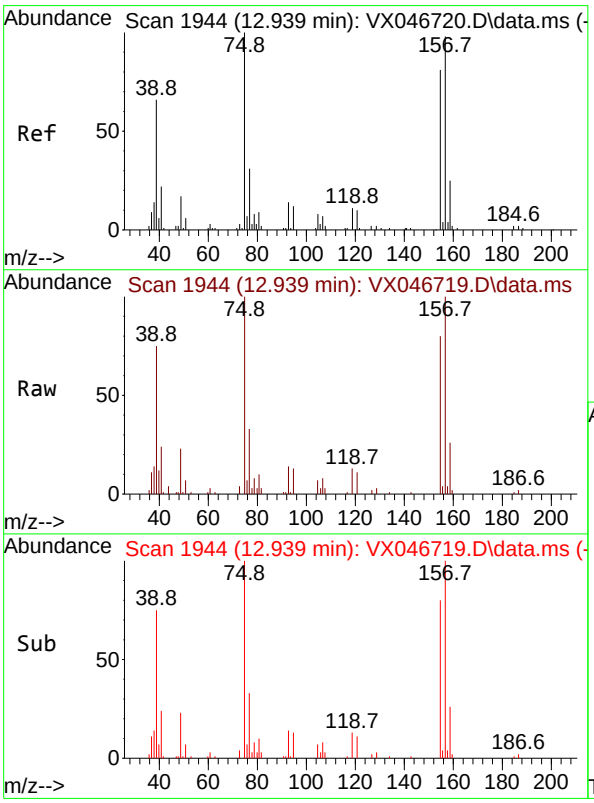

#91
1,2-Dichlorobenzene
Concen: 21.073 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 66883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |

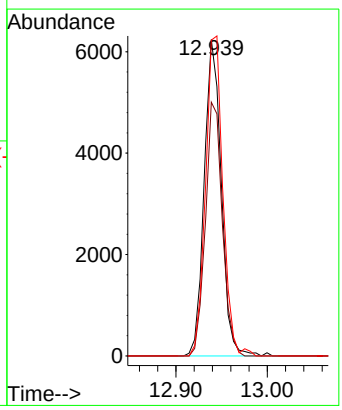


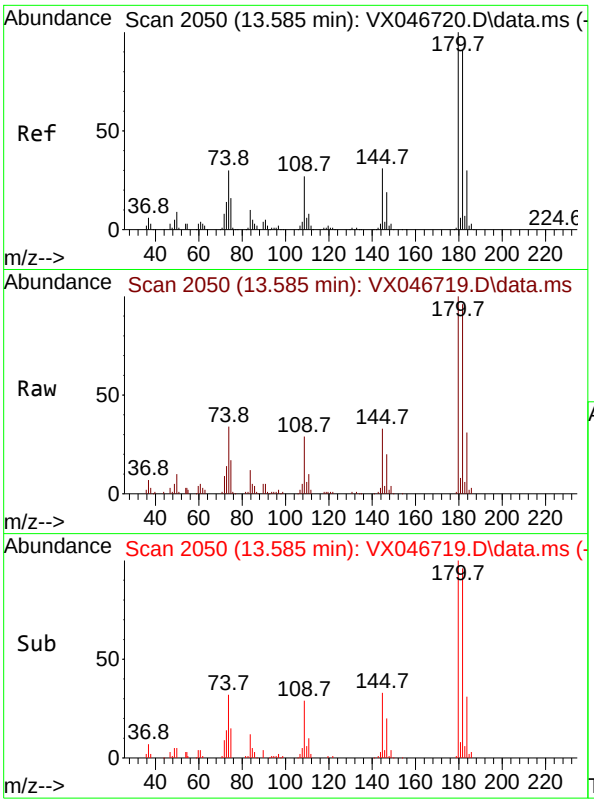




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.226 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion: 75 Resp: 8071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.6 | 41.9 | 125.7 |
| 157 | 102.7 | 51.4 | 154.3 |



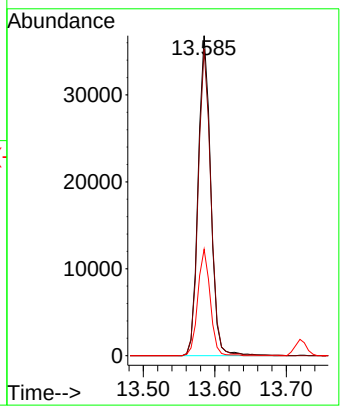


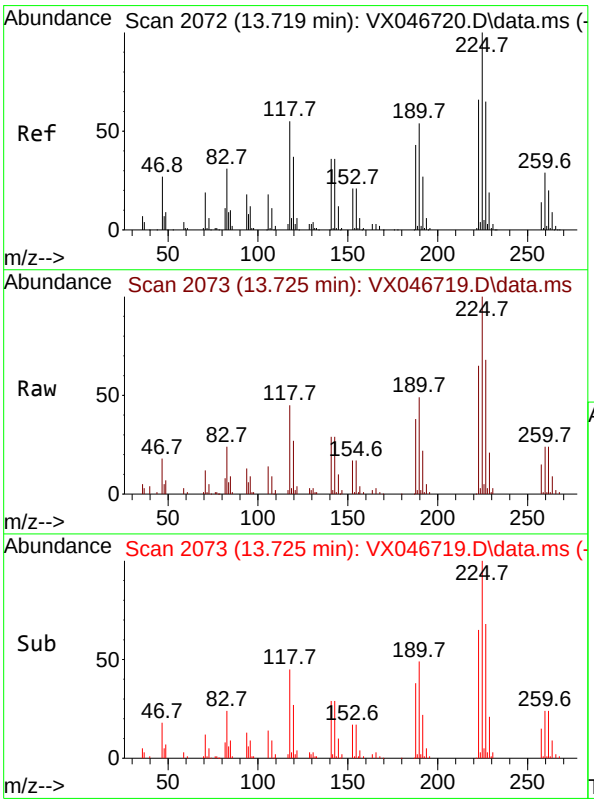

#93
1,2,4-Trichlorobenzene
Concen: 19.821 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 44726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.7 | 140.1 |
| 145 | 32.8 | 15.8 | 47.4 |

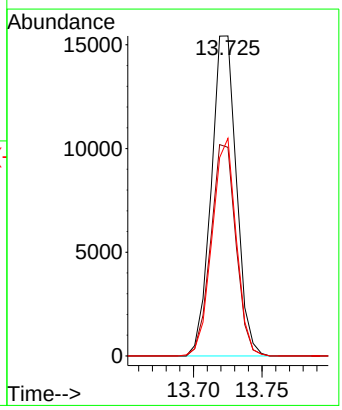


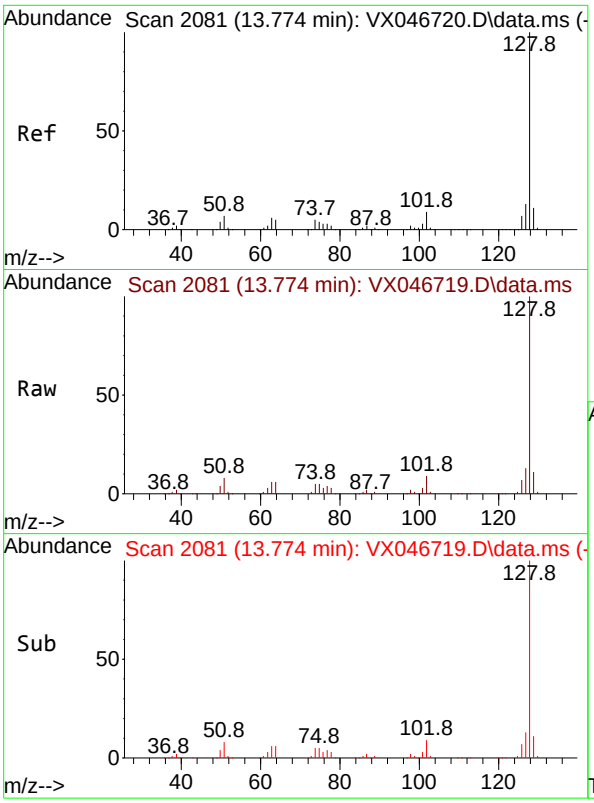




#94
Hexachlorobutadiene
Concen: 20.752 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:225 Resp: 19698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 66.0 | 32.5 | 97.5 |
| 227 | 65.3 | 32.2 | 96.6 |



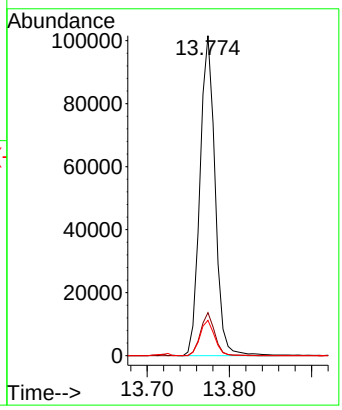


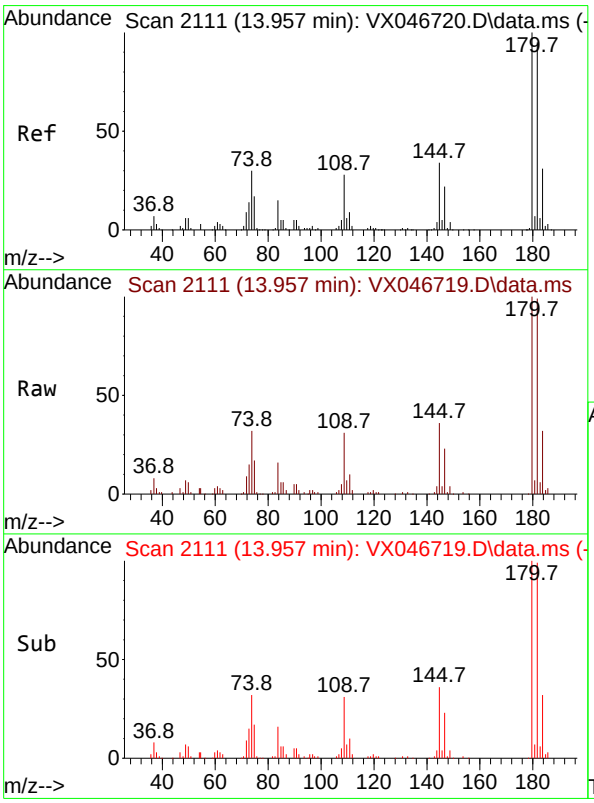

#95
Naphthalene
Concen: 20.186 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 129768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.8 | 8.7 | 13.1 |

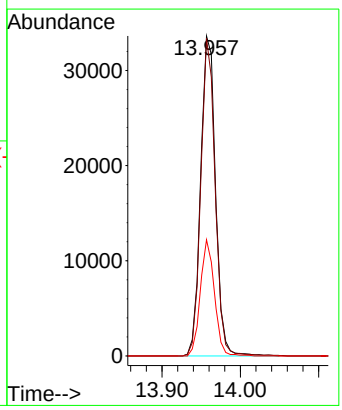



#96
1,2,3-Trichlorobenzene
Concen: 20.558 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046719.D
Acq: 17 Jun 2025 13:59

Tgt Ion:180 Resp: 44380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 47.8 | 143.4 |
| 145 | 34.4 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 123412 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 204400 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179407 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89016 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 80133 | 46.944 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.880% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 65447 | 48.394 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.780% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 233825 | 48.124 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 87131 | 48.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 71910 | 54.577 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 73175 | 51.454 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 78242 | 51.592 | ug/l | 100 |
| 5) Bromomethane | 1.624 | 94 | 45535 | 53.367 | ug/l | 100 |
| 6) Chloroethane | 1.703 | 64 | 46570 | 50.665 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 119335 | 51.823 | ug/l | 100 |
| 8) Diethyl Ether | 2.148 | 74 | 39712 | 50.251 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 71037 | 50.285 | ug/l | 100 |
| 10) Methyl Iodide | 2.471 | 142 | 80710 | 46.019 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 38256 | 249.692 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 70202 | 51.500 | ug/l | 100 |
| 13) Acrolein | 2.246 | 56 | 53791 | 241.036 | ug/l | 100 |
| 14) Allyl chloride | 2.678 | 41 | 123265 | 49.909 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 175846 | 255.243 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 135683 | 238.356 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 197344 | 47.941 | ug/l | 100 |
| 18) Methyl Acetate | 2.715 | 43 | 71685 | 49.582 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 216266 | 50.953 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 75315 | 47.576 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 72648 | 49.807 | ug/l | 100 |
| 22) Diisopropyl ether | 3.770 | 45 | 242789 | 51.143 | ug/l | 100 |
| 23) Vinyl Acetate | 3.733 | 43 | 985040 | 260.935 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 134324 | 49.835 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 208346 | 258.788 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 93956 | 47.794 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 84638 | 49.392 | ug/l | 100 |
| 28) Bromochloromethane | 4.910 | 49 | 59857 | 48.984 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 133555 | 256.831 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 137459 | 50.996 | ug/l | 100 |
| 31) Cyclohexane | 5.483 | 56 | 125014 | 48.909 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 117954 | 49.895 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 97413 | 49.899 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 88076 | 48.877 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 105202 | 49.656 | ug/l | 100 |
| 39) Methylcyclohexane | 7.385 | 83 | 128553 | 50.041 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 289724 | 50.146 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 48765 | 50.762 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 101218 | 49.855 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 146377 | 51.911 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 72796 | 49.441 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 70702 | 49.378 | ug/l | | 100 |
| 46) Dibromomethane | 7.586 | 93 | 51288 | 49.840 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 106651 | 50.787 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 75708 | 53.535 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 19802 | 962.534 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 435000 | 258.656 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 181414 | 50.650 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 99727 | 51.183 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 111917 | 50.598 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 66688 | 49.963 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 103697 | 52.629 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 114824 | 49.955 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 287531 | 280.927 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 303322 | 260.883 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 79227 | 50.368 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 68515 | 50.464 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 61048 | 49.115 | ug/l | | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 195752 | 49.429 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 67004 | 50.341 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 346812 | 50.119 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 259899 | 100.800 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 124120 | 51.366 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 216738 | 51.254 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 51485 | 50.792 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 331391 | 50.548 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 130606 | 52.581 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 92893 | 50.745 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 99621 | 55.099 | ug/l | | 93 |
| 77) Bromobenzene | 11.195 | 156 | 79404 | 50.331 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 394375 | 50.646 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 230178 | 49.509 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 273477 | 50.761 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27677 | 47.984 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 269198 | 49.613 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 277915 | 49.905 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 272510 | 50.345 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 355947 | 50.574 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 297314 | 50.067 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 149402 | 48.568 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 147146 | 46.571 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 280794 | 49.801 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 51961 | 49.968 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 141743 | 49.309 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18747 | 51.873 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 100346 | 49.101 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 42659 | 49.621 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 296912 | 50.994 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 96318 | 49.263 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

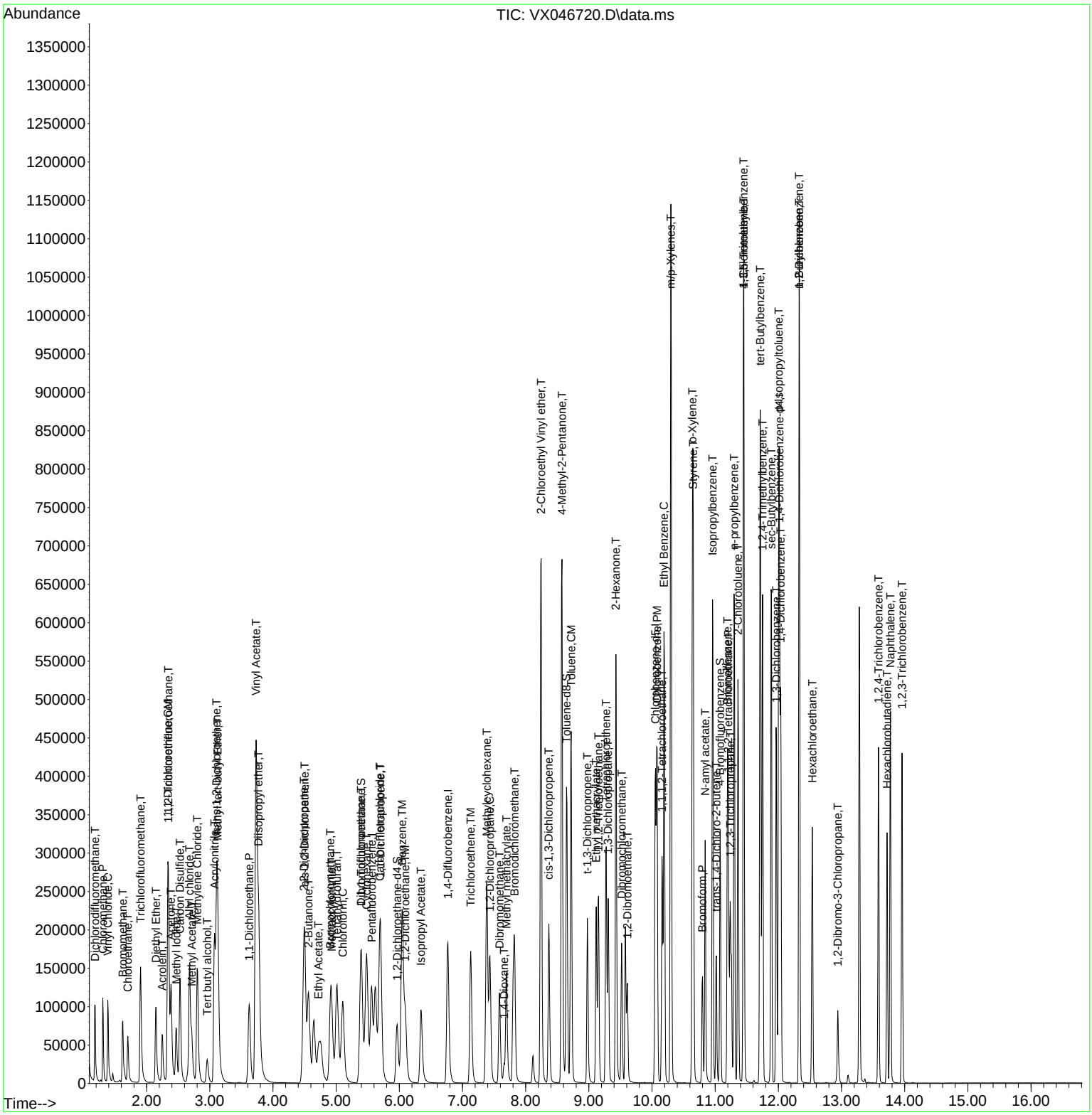
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

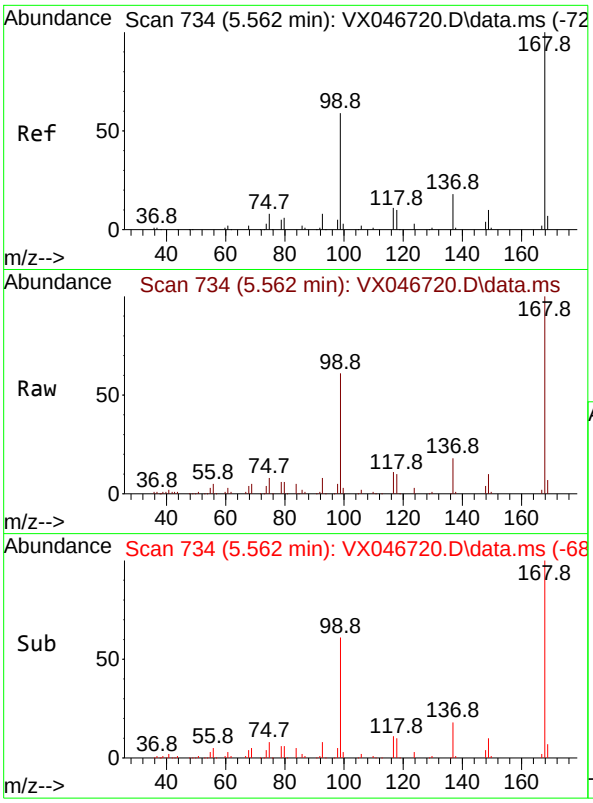
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



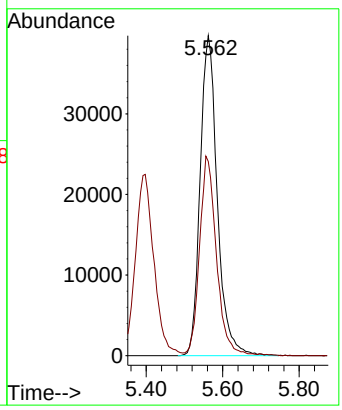


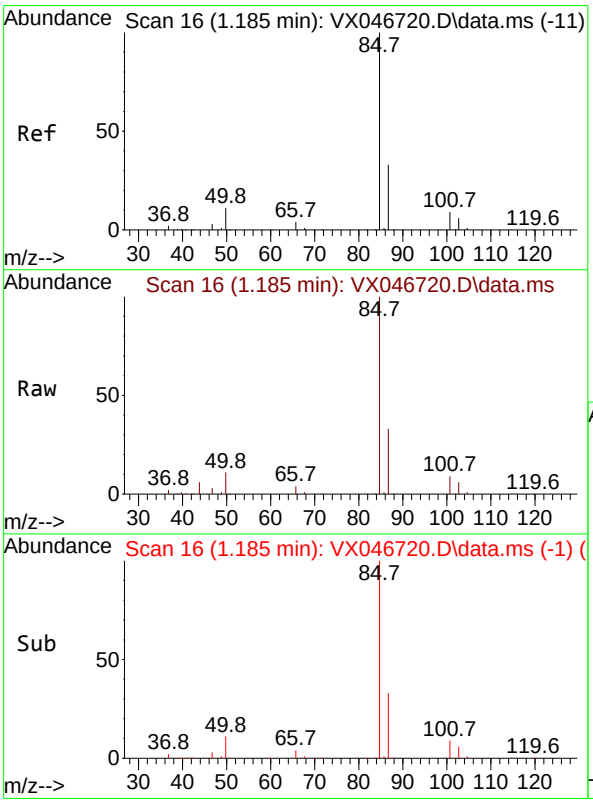

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 123412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.5 | 72.7 |

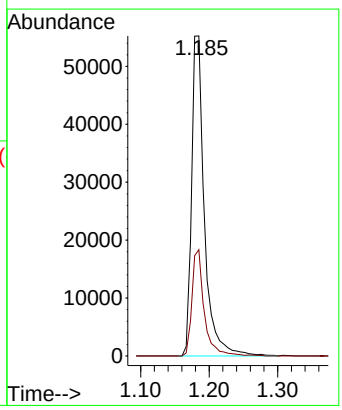


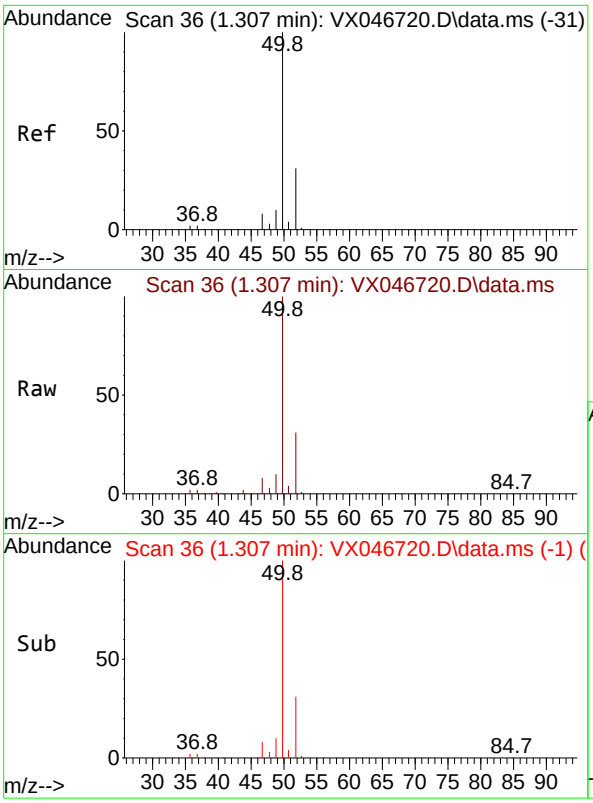




#2
Dichlorodifluoromethane
Concen: 54.577 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 85 Resp: 71910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 16.6 | 49.8 |



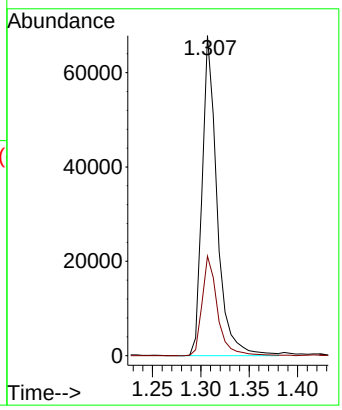


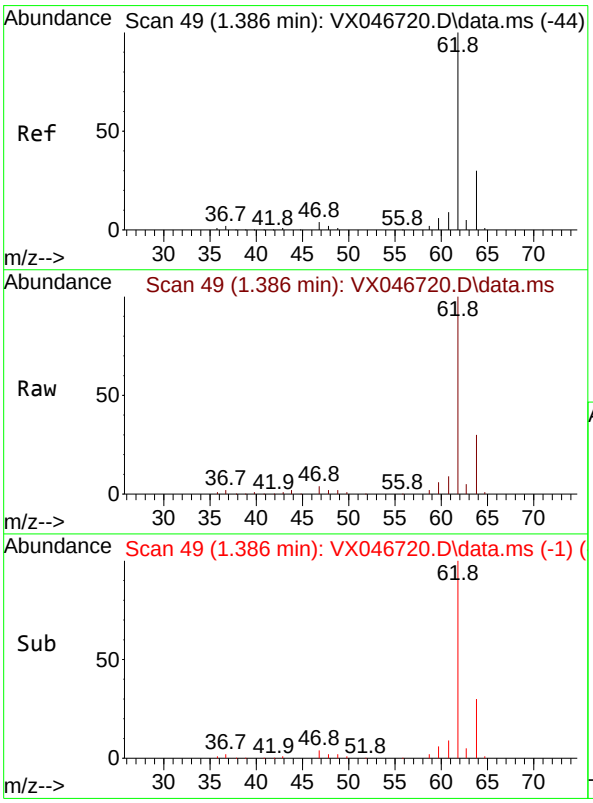

#3
Chloromethane
Concen: 51.454 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 73175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 24.9 | 37.3 |

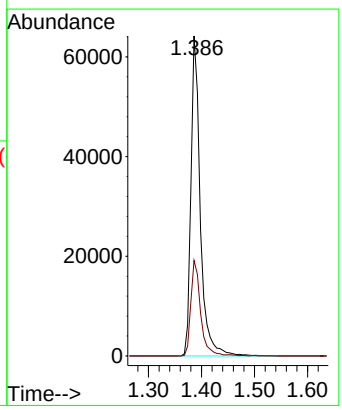


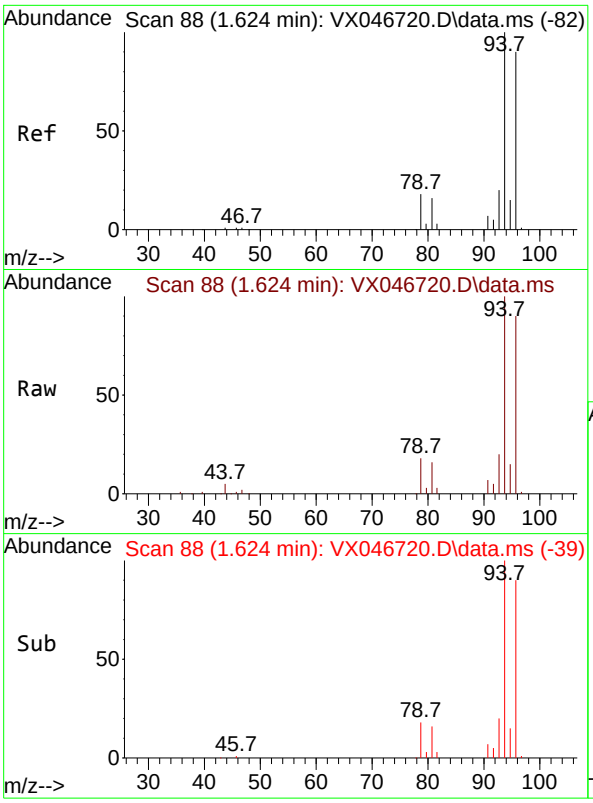




#4
Vinyl Chloride
Concen: 51.592 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 62 Resp: 78242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.9 | 23.9 | 35.9 |



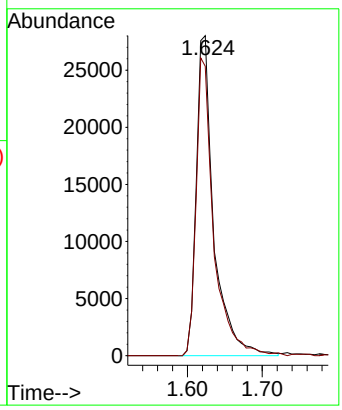


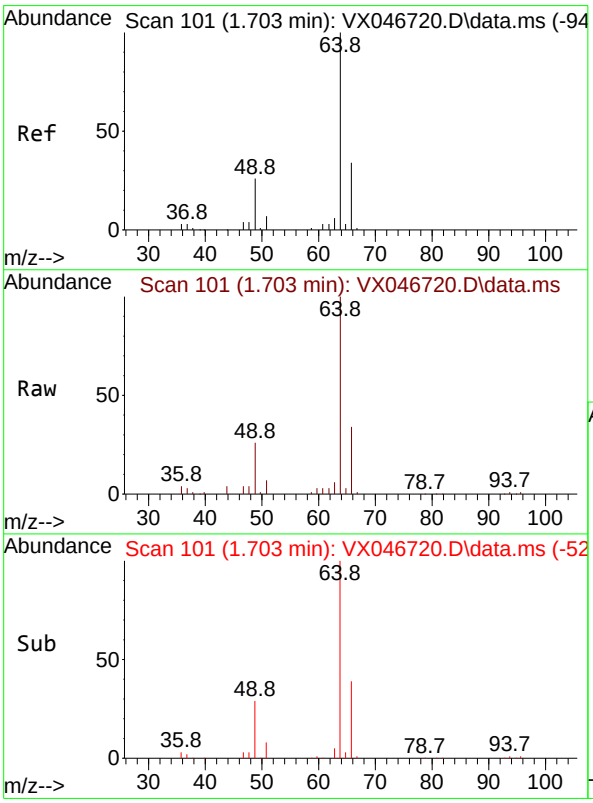

#5
Bromomethane
Concen: 53.367 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 45535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.4 | 72.3 | 108.5 |

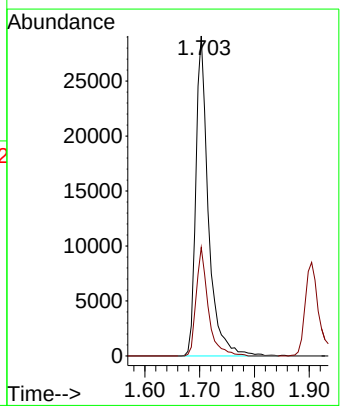


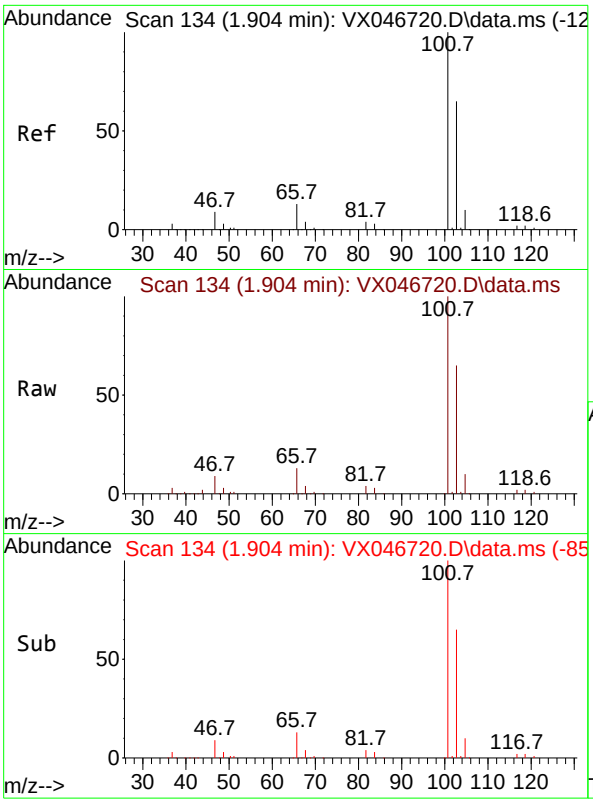




#6
Chloroethane
Concen: 50.665 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 64 Resp: 46570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.9 | 27.1 | 40.7 |



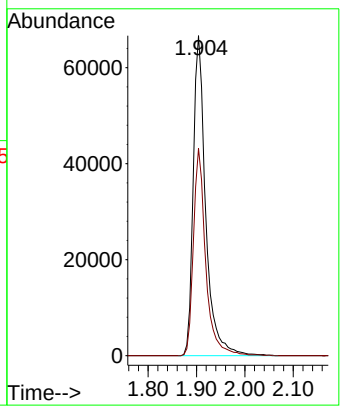


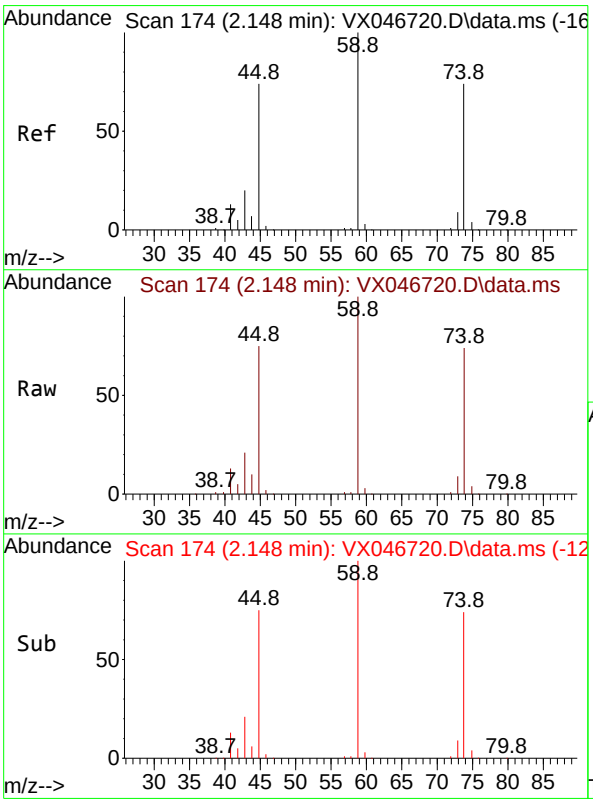

#7
Trichlorofluoromethane
Concen: 51.823 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 119335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 51.8 | 77.8 |

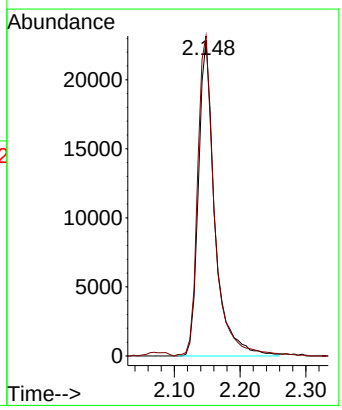


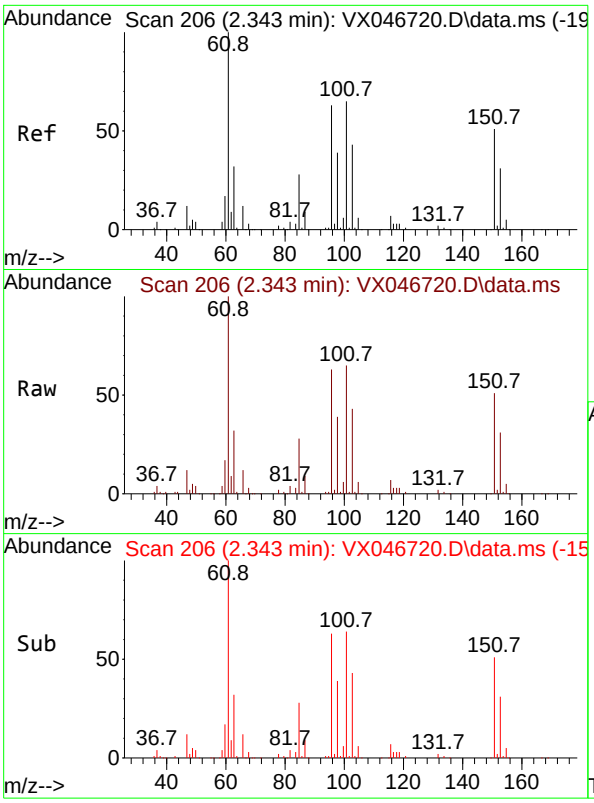




#8
Diethyl Ether
Concen: 50.251 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 74 Resp: 39712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.7 | 52.3 | 157.1 |



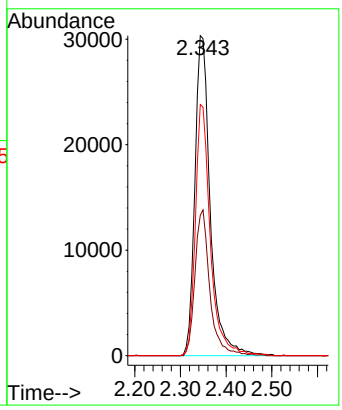


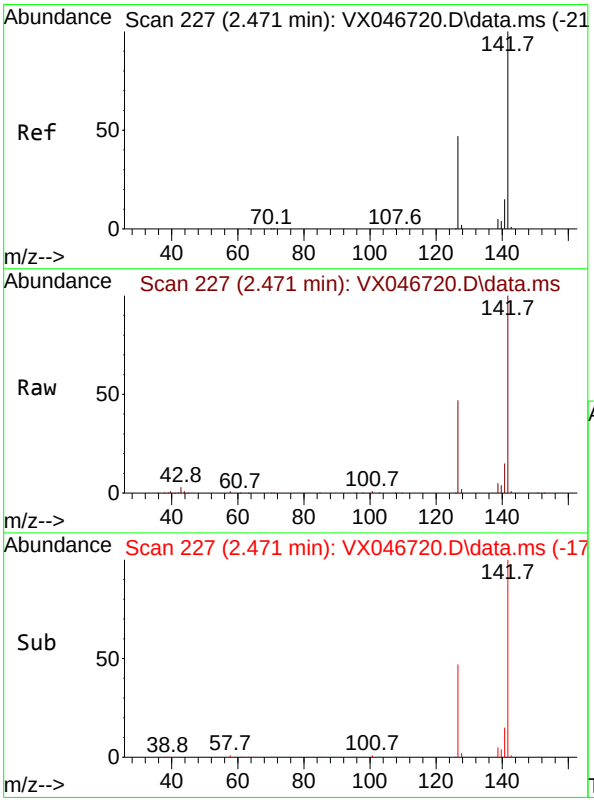

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.285 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 71037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.2 | 35.4 | 53.0 |
| 151 | 76.5 | 61.2 | 91.8 |

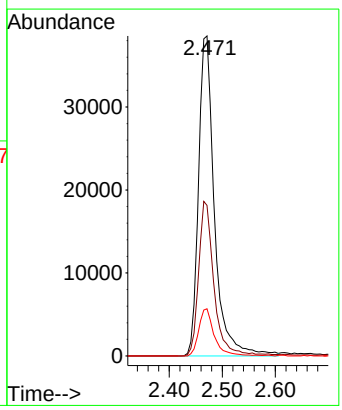


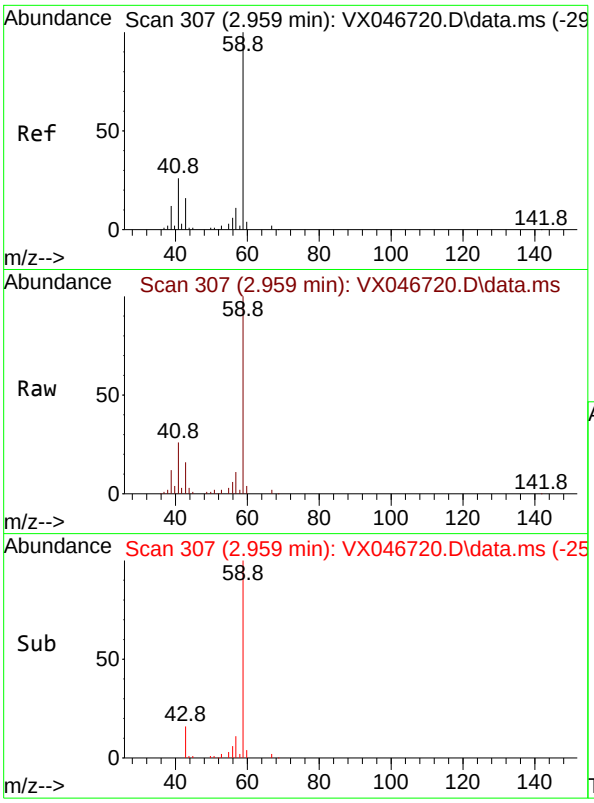




#10
Methyl Iodide
Concen: 46.019 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:142 Resp: 80710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.3 | 37.0 | 55.6 |
| 141 | 14.4 | 11.5 | 17.3 |



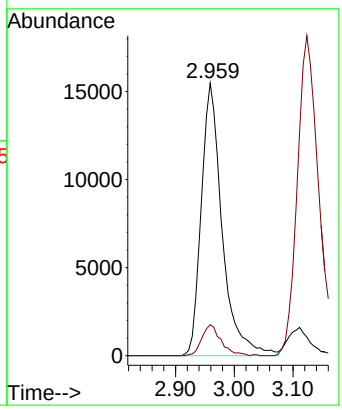


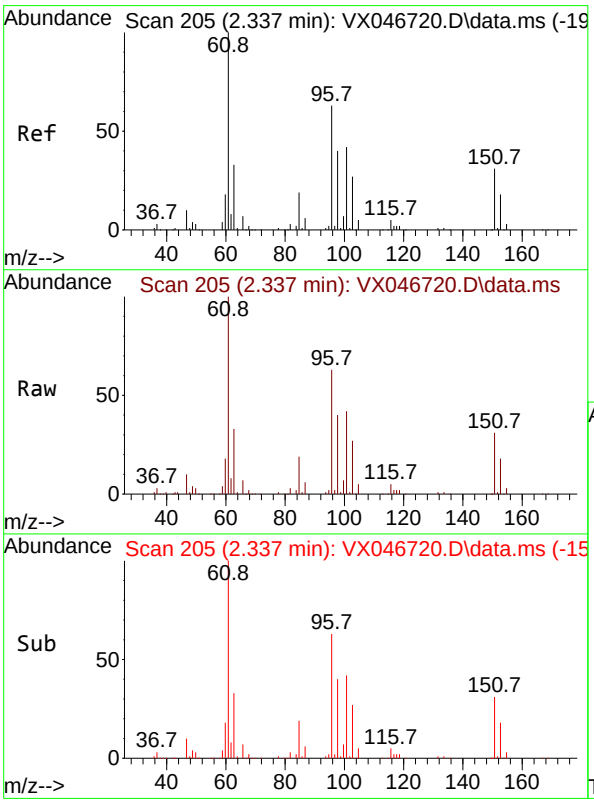

#11
Tert butyl alcohol
Concen: 249.692 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 38256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

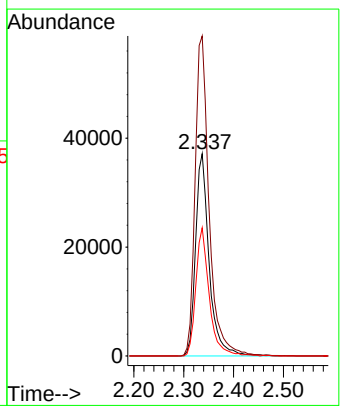


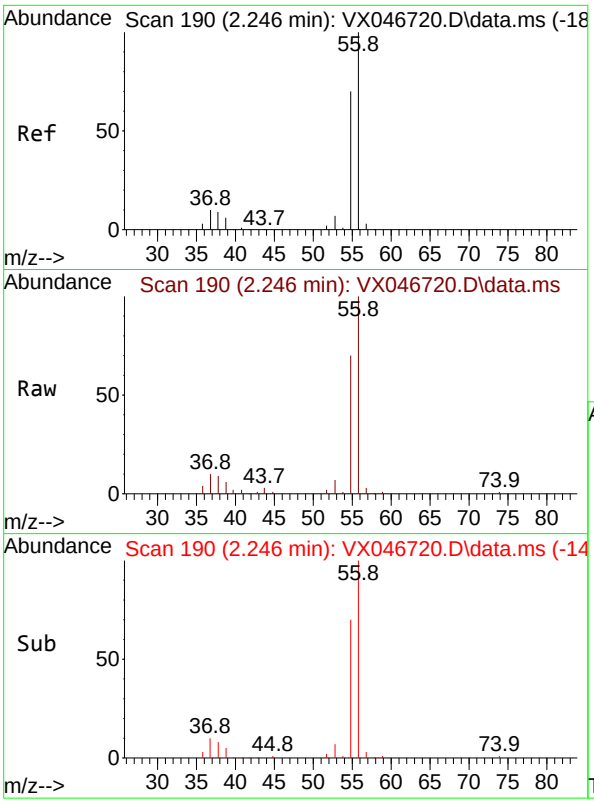




#12
1,1-Dichloroethene
Concen: 51.500 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 96 Resp: 70202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.2 | 126.6 | 189.8 |
| 98 | 63.4 | 50.7 | 76.1 |



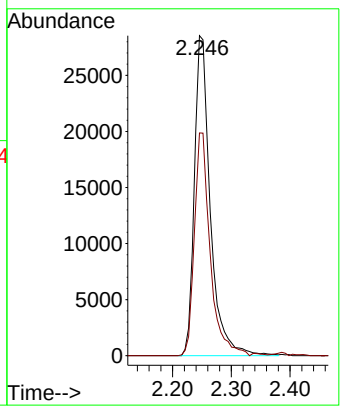


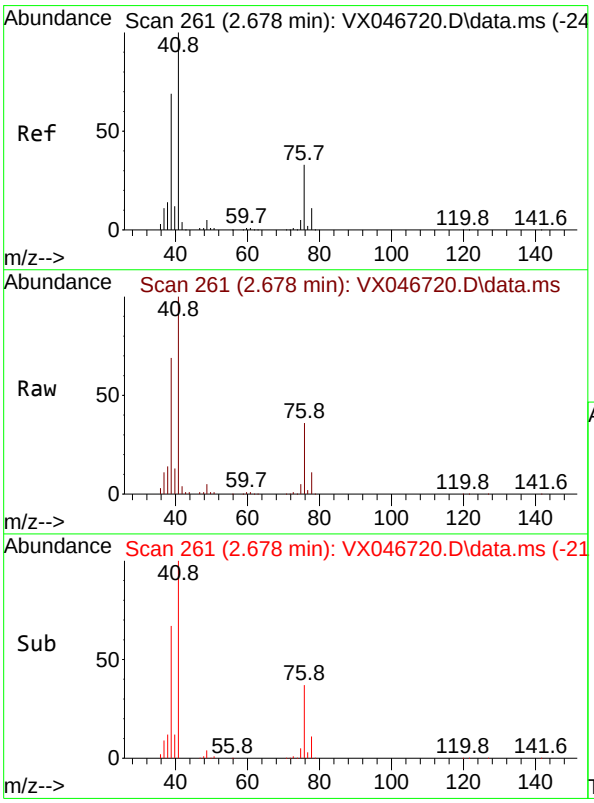

#13
Acrolein
Concen: 241.036 ug/l
RT: 2.246 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 53791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.0 | 55.2 | 82.8 |

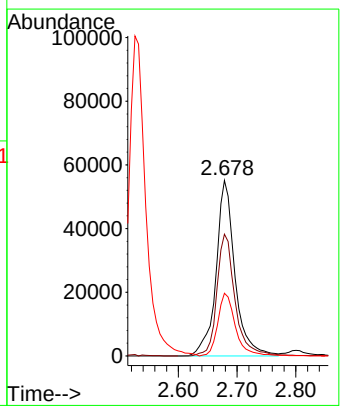


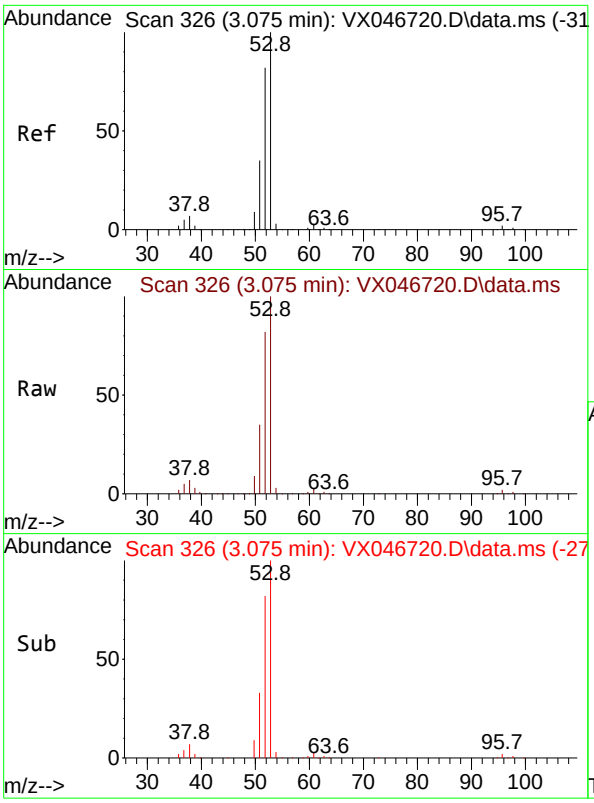




#14
Allyl chloride
Concen: 49.909 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 41 Resp: 123265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 53.6 | 80.4 |
| 76 | 33.5 | 26.8 | 40.2 |



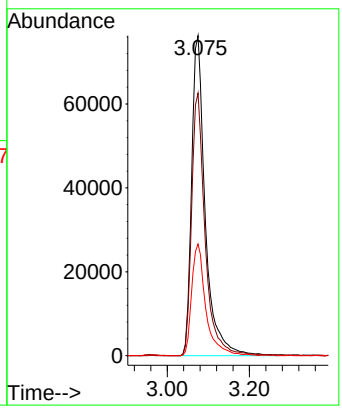


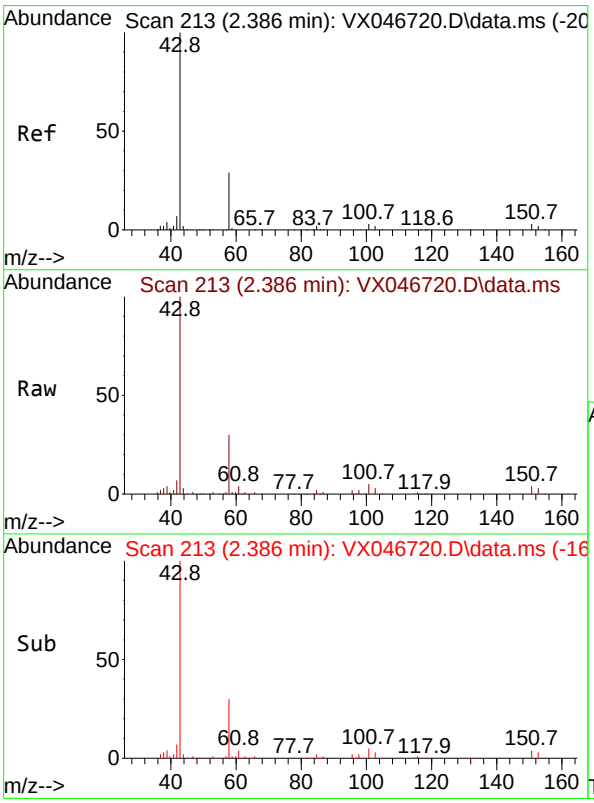

#15
Acrylonitrile
Concen: 255.243 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 175846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.4 | 65.1 | 97.7 |
| 51 | 36.1 | 28.9 | 43.3 |

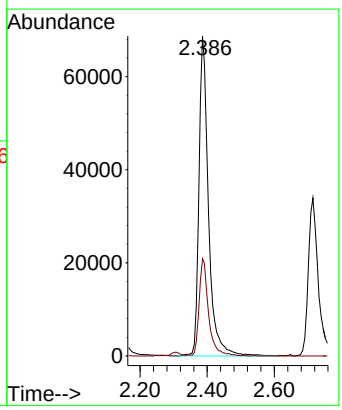


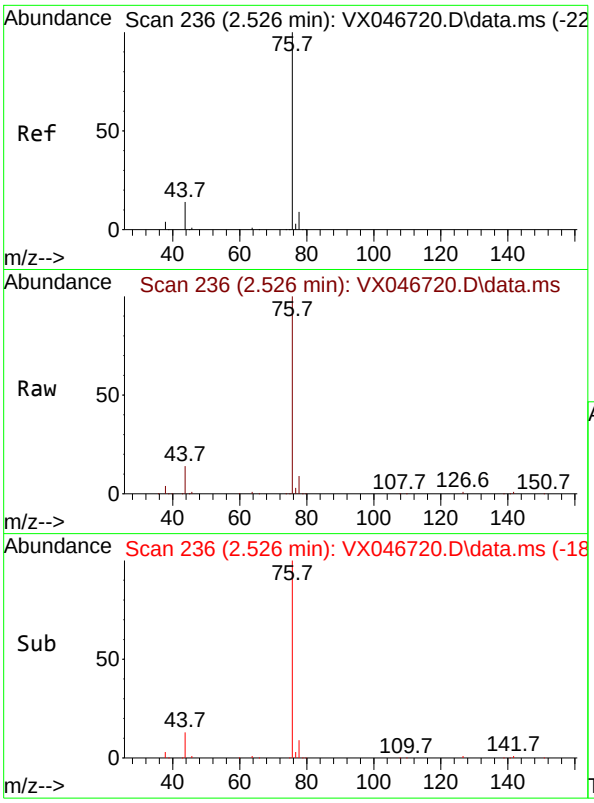




#16
Acetone
Concen: 238.356 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 135683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 24.5 | 36.7 |



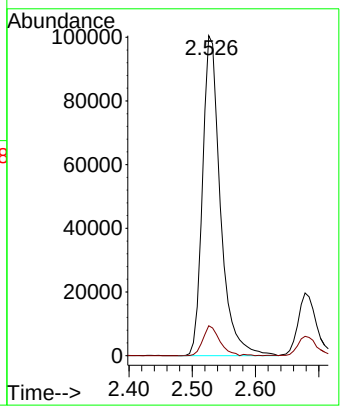


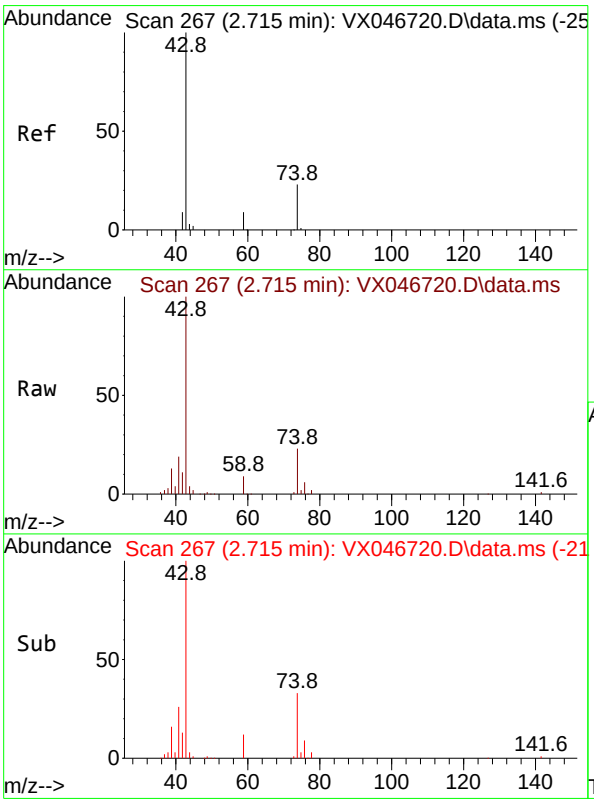

#17
Carbon Disulfide
Concen: 47.941 ug/l
RT: 2.526 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 197344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.5 | 11.3 |

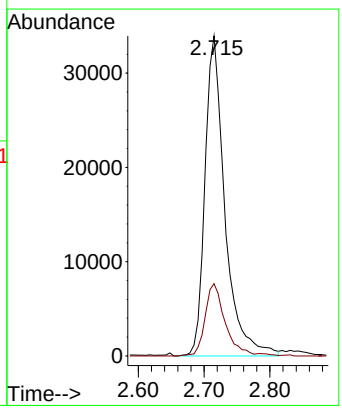


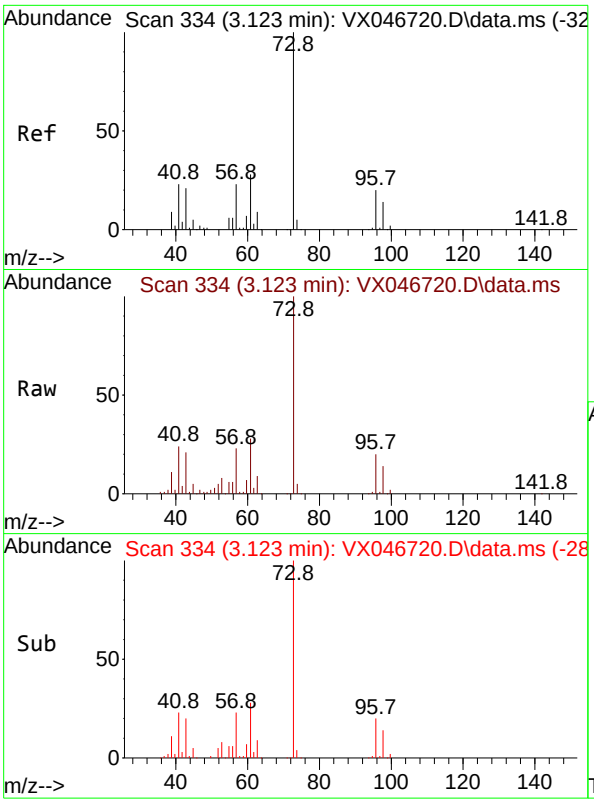




#18
Methyl Acetate
Concen: 49.582 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 71685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 18.4 | 27.6 |



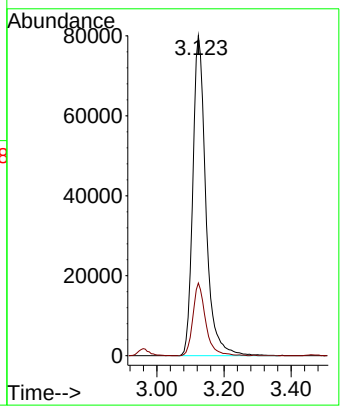


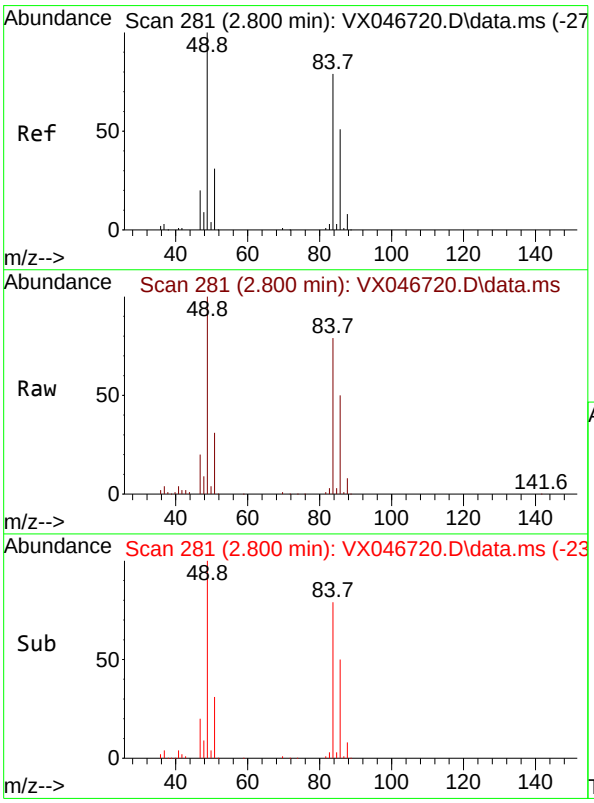

#19
Methyl tert-butyl Ether
Concen: 50.953 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 216266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |

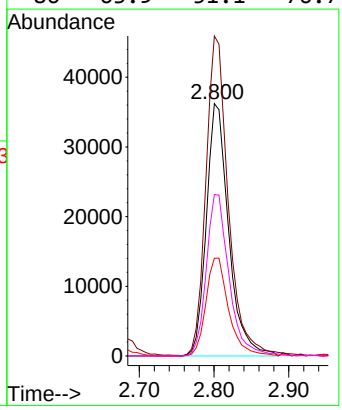


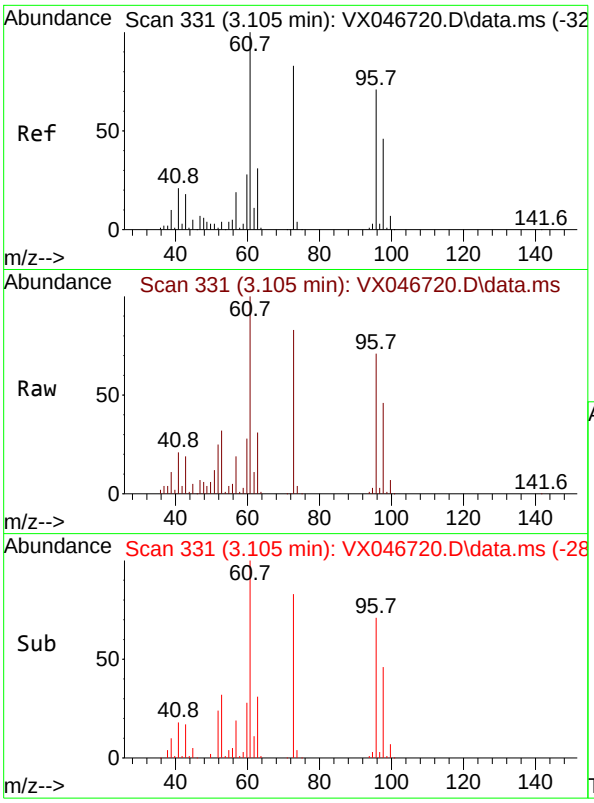




#20
Methylene Chloride
Concen: 47.576 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 84 Resp: 75315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 63.9 | 51.1 | 76.7 |



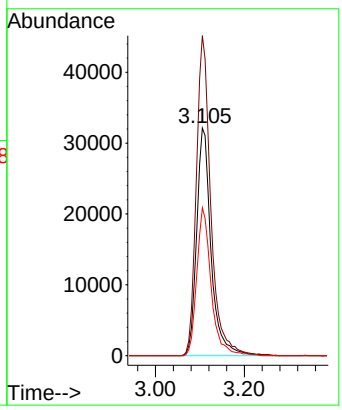


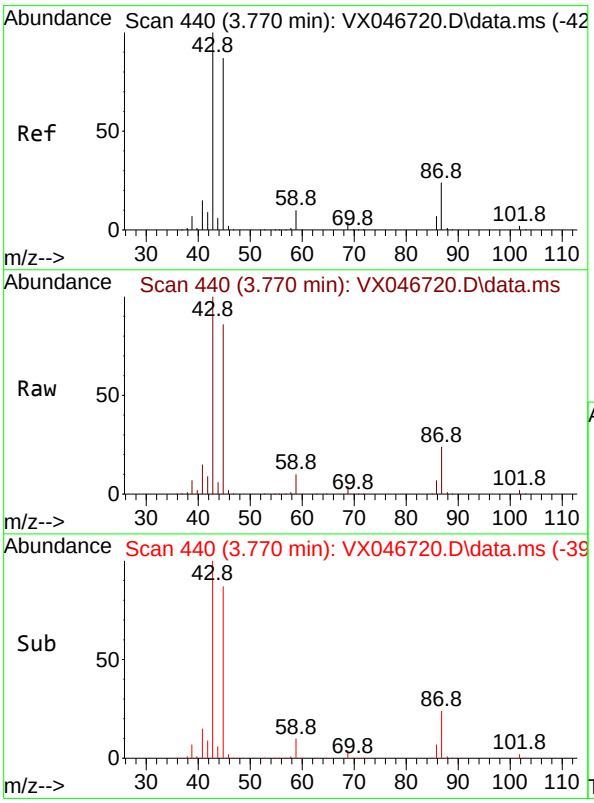

#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 72648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.6 | 112.5 | 168.7 |
| 98 | 64.9 | 51.9 | 77.9 |

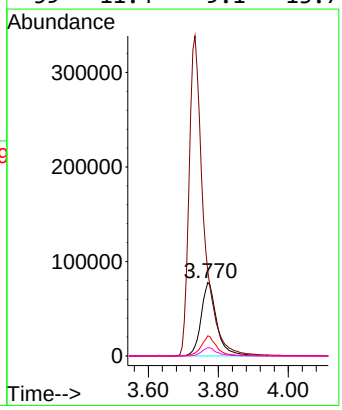


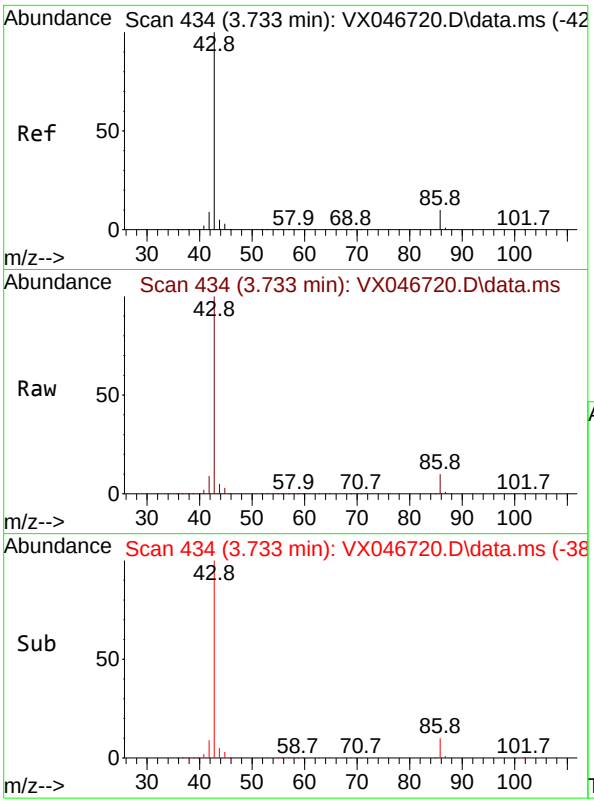




#22
Diisopropyl ether
Concen: 51.143 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 45 Resp: 242789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 114.9 | 91.9 | 137.9 |
| 87 | 27.5 | 22.0 | 33.0 |
| 59 | 11.4 | 9.1 | 13.7 |



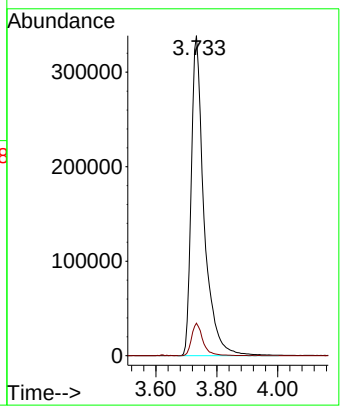


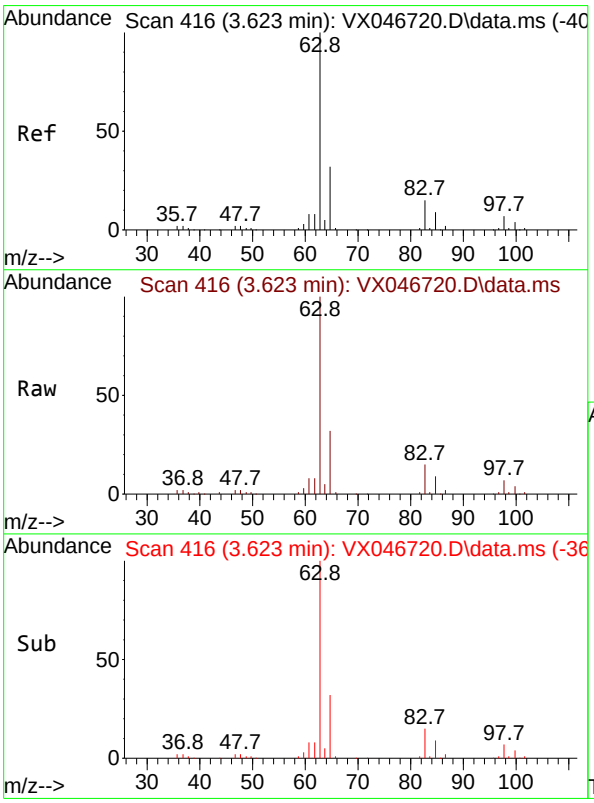

#23
Vinyl Acetate
Concen: 260.935 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 985040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

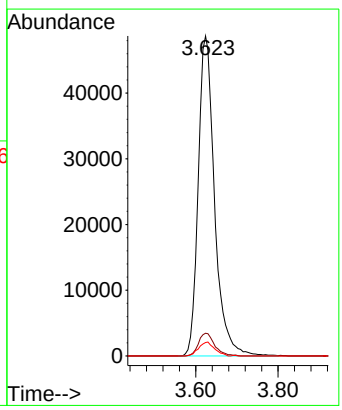


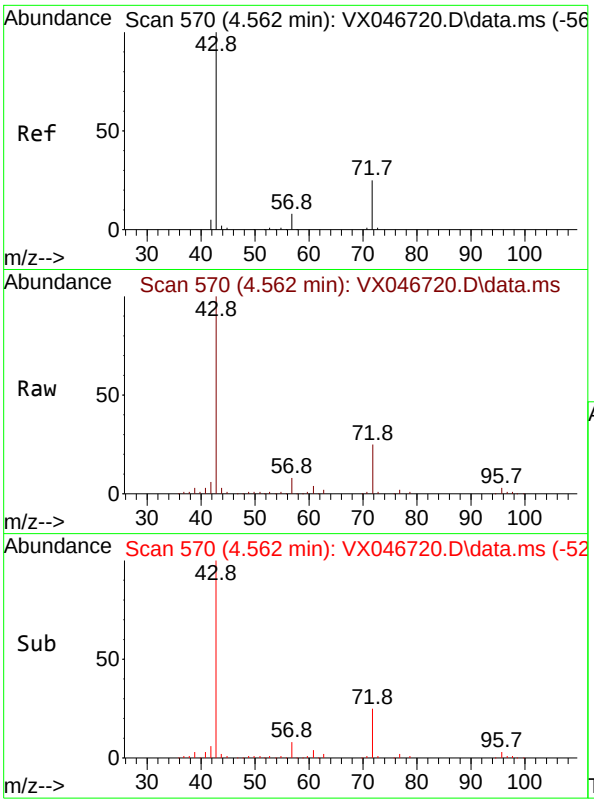




#24
1,1-Dichloroethane
Concen: 49.835 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 63 Resp: 134324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.9 | 4.0 | 11.9 |
| 100 | 4.4 | 2.2 | 6.6 |



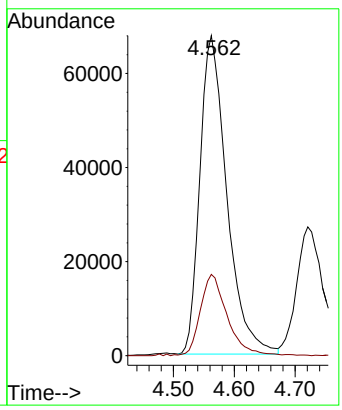


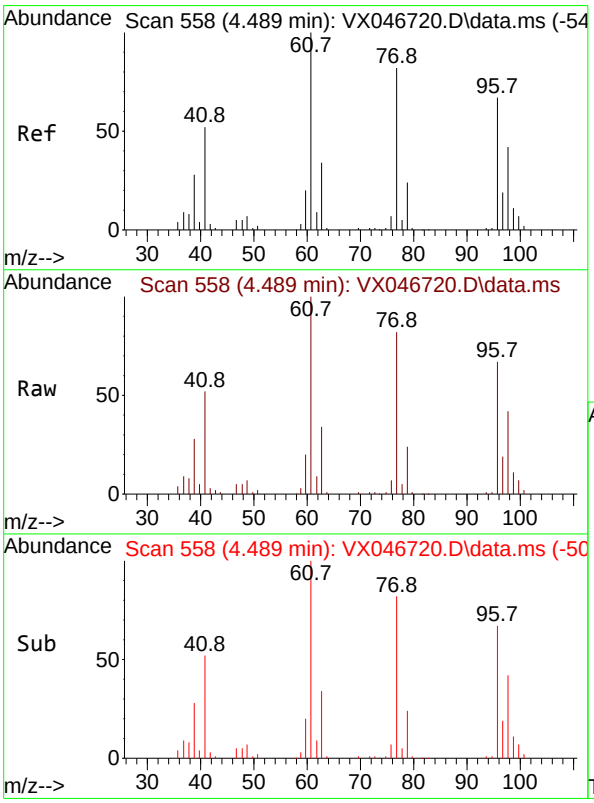

#25
2-Butanone
Concen: 258.788 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 208346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.4 |

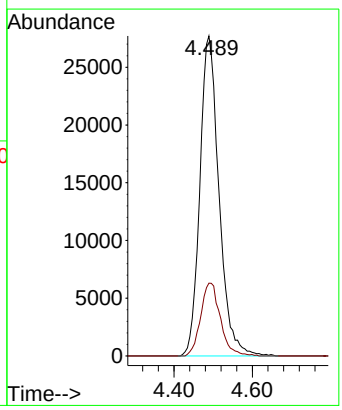


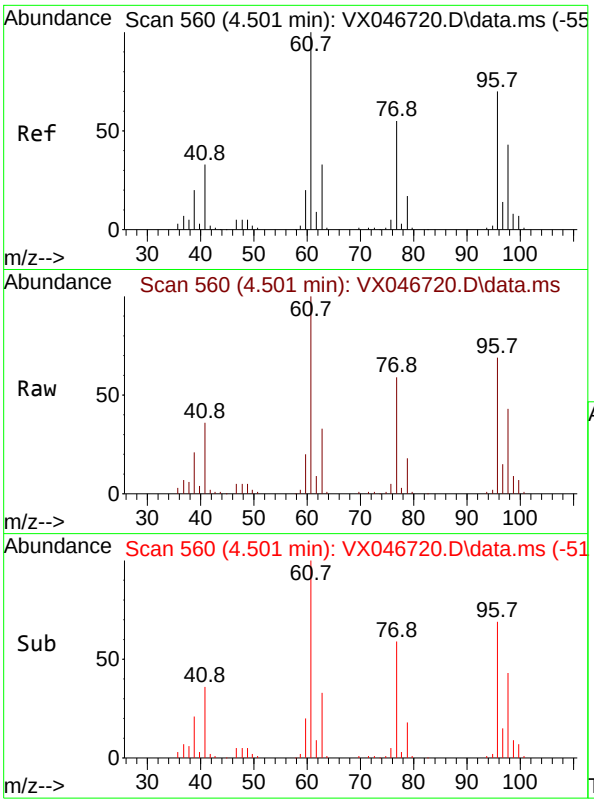




#26
2,2-Dichloropropane
Concen: 47.794 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 77 Resp: 93956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.5 | 11.8 | 35.3 |



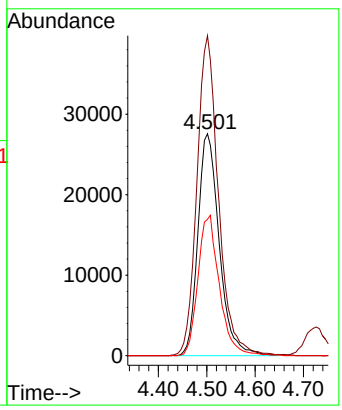


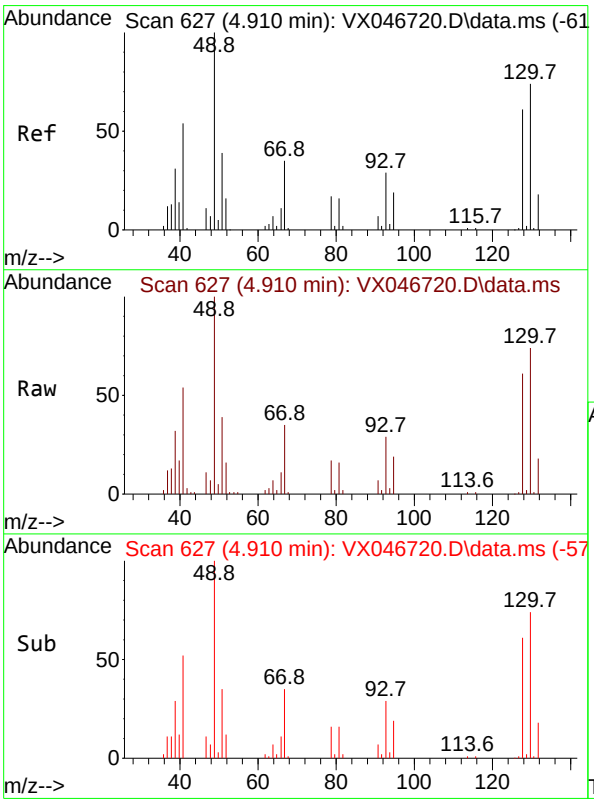

#27
cis-1,2-Dichloroethene
Concen: 49.392 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 84638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 291.0 |
| 98 | 63.4 | 0.0 | 126.8 |

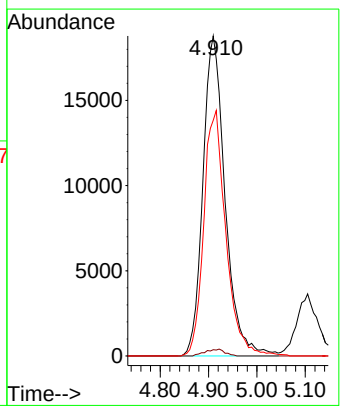


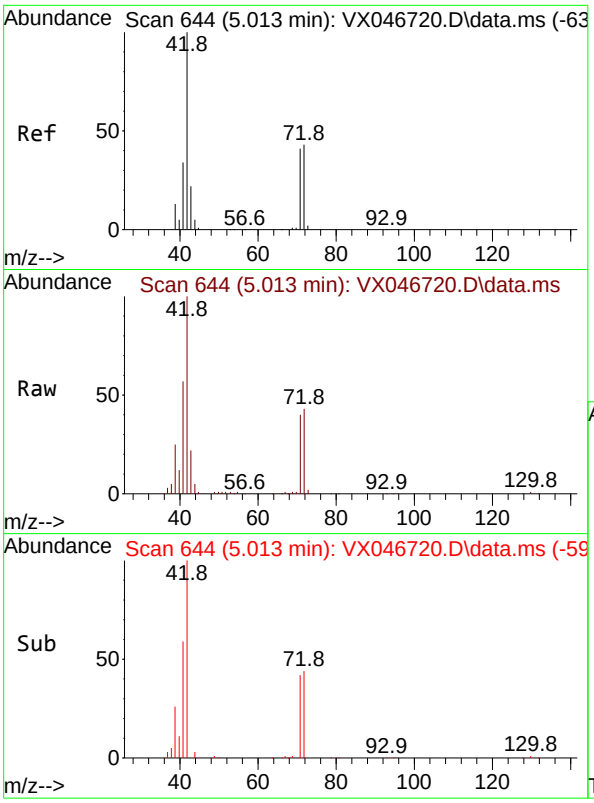




#28
Bromochloromethane
Concen: 48.984 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 49 Resp: 59857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.7 | 61.4 | 92.0 |



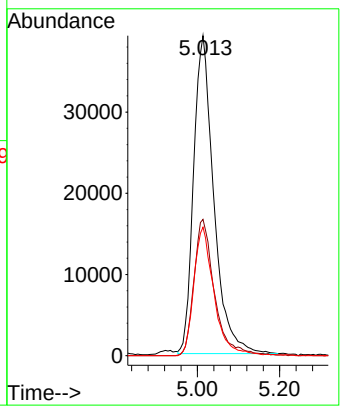


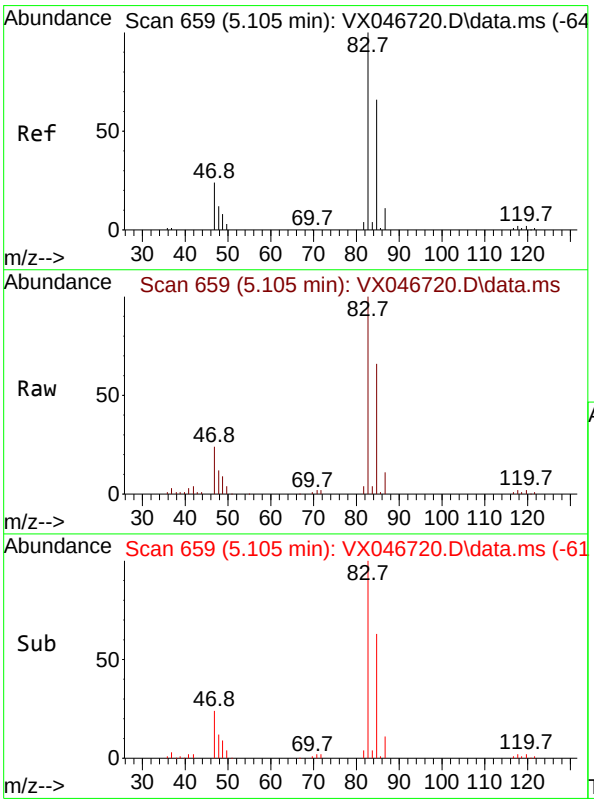

#29
Tetrahydrofuran
Concen: 256.831 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 133555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.6 | 34.9 | 52.3 |
| 71 | 40.2 | 32.2 | 48.2 |

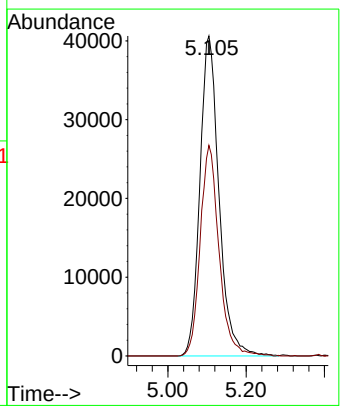


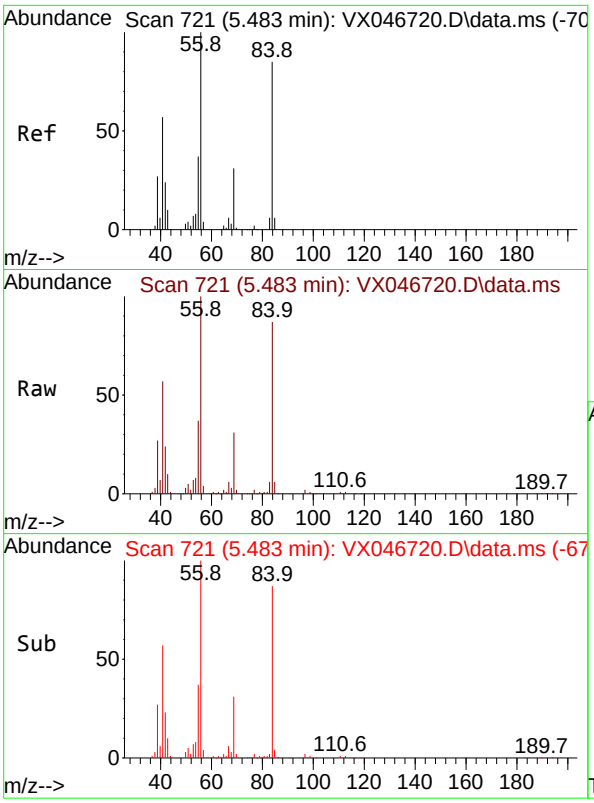




#30
Chloroform
Concen: 50.996 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 83 Resp: 137459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.1 | 53.7 | 80.5 |



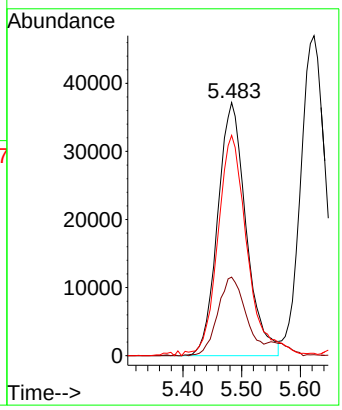


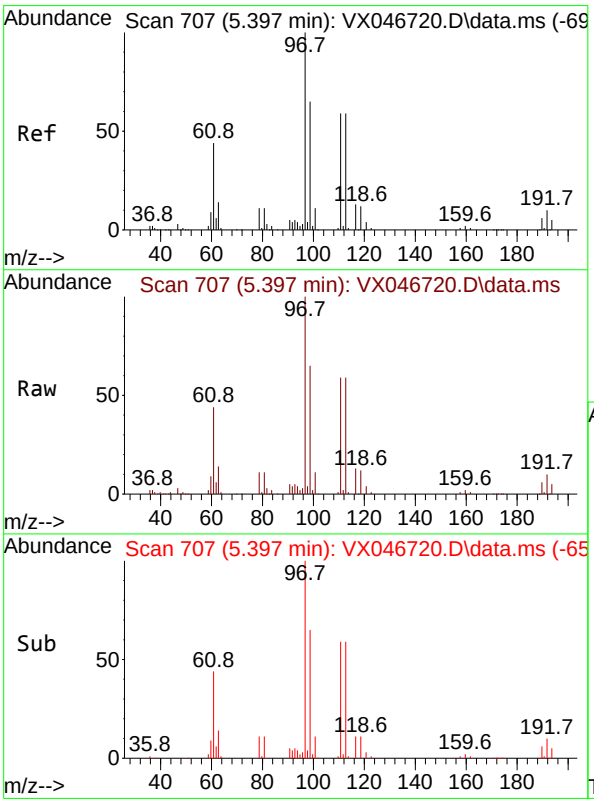

#31
Cyclohexane
Concen: 48.909 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 125014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 24.8 | 37.2 |
| 84 | 85.2 | 68.2 | 102.2 |

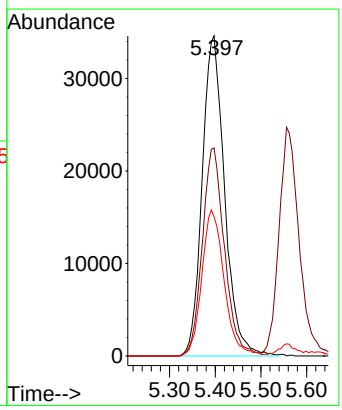


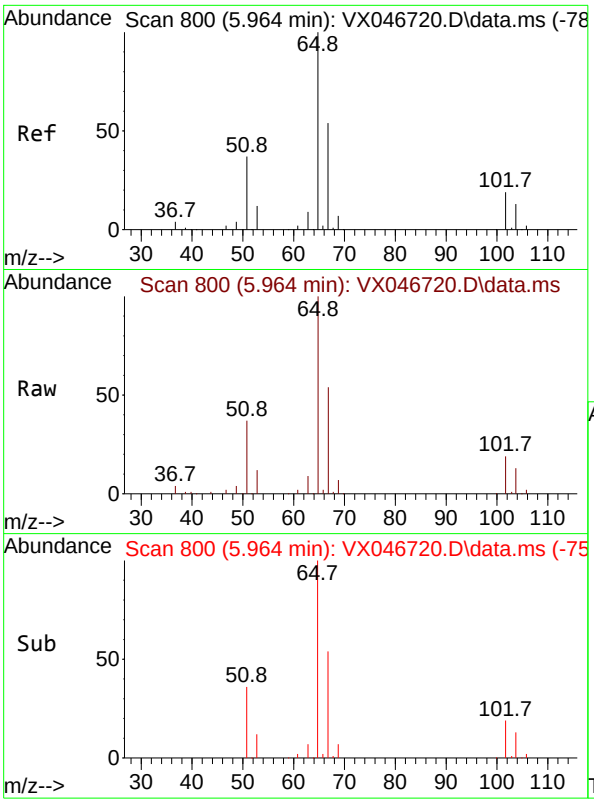




#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 97 Resp: 117954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 51.3 | 76.9 |
| 61 | 45.5 | 36.4 | 54.6 |



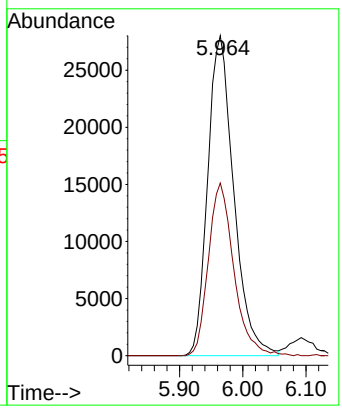


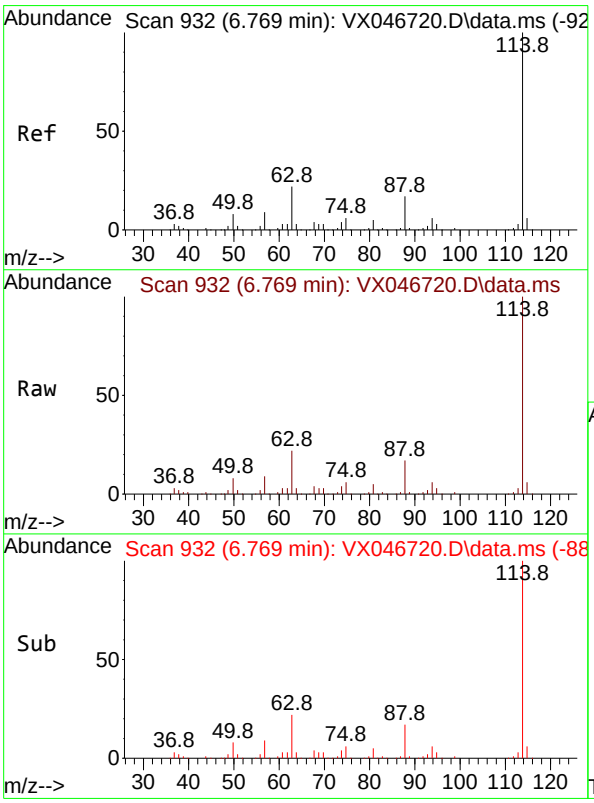

#33
1,2-Dichloroethane-d4
Concen: 46.944 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 80133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.4 |

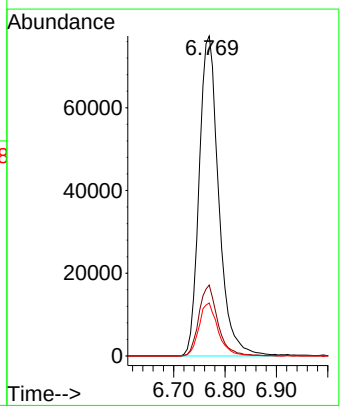


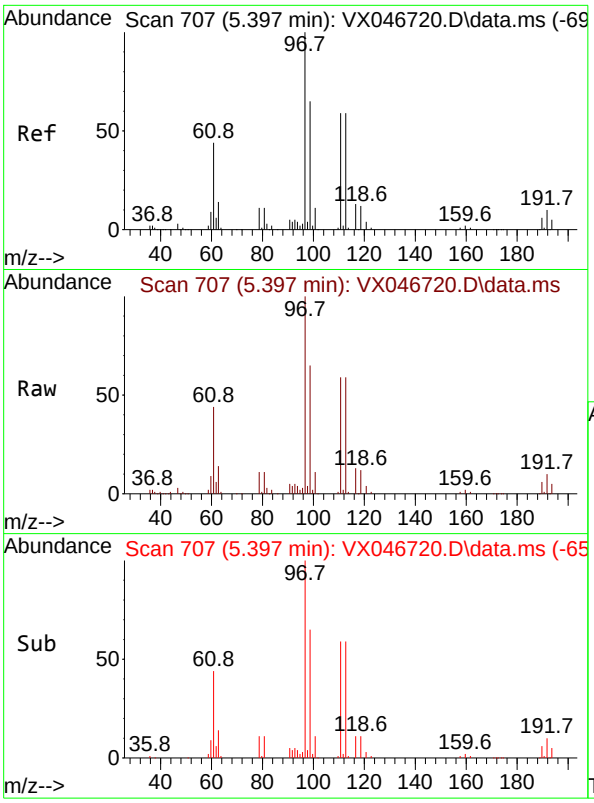




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:114 Resp: 204400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |



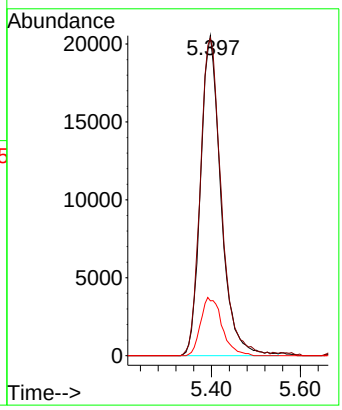


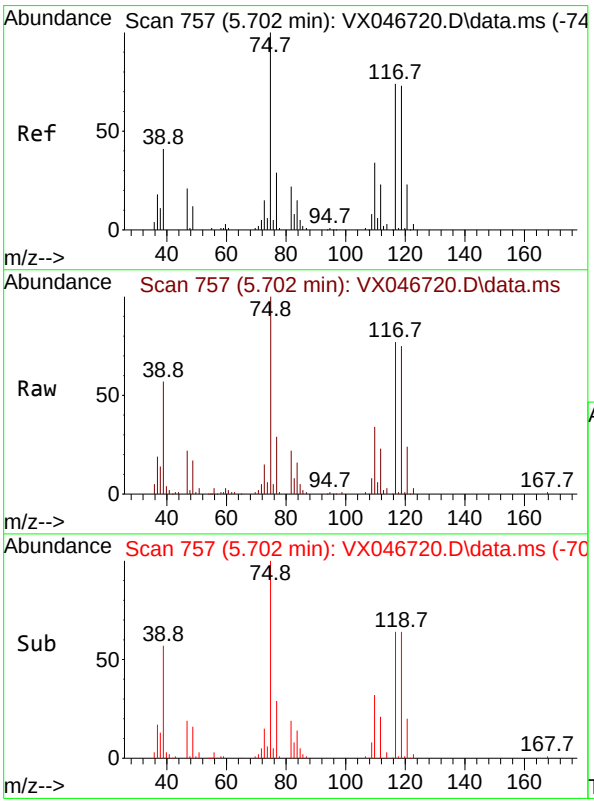

#35
Dibromofluoromethane
Concen: 48.394 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 65447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |

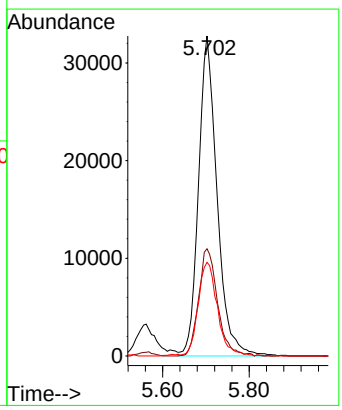


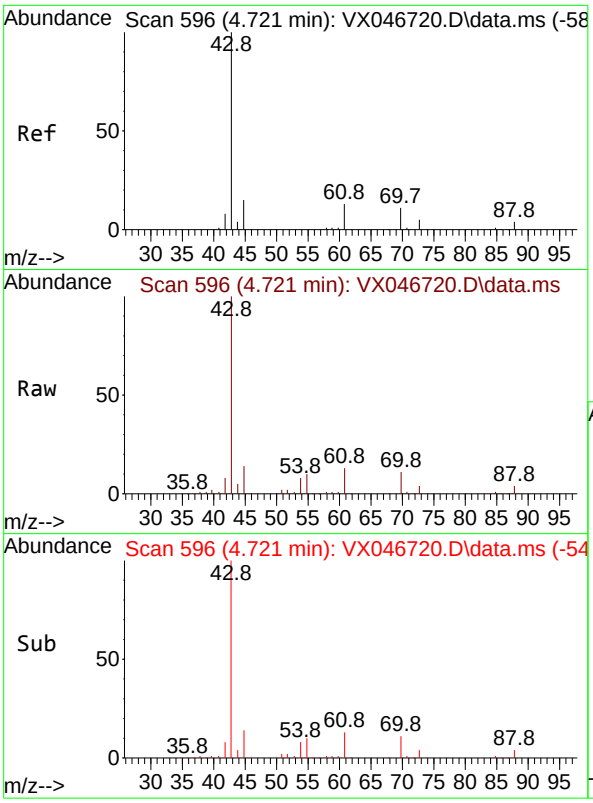




#36
1,1-Dichloropropene
Concen: 49.899 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 97413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 17.2 | 51.5 |
| 77 | 30.3 | 24.2 | 36.4 |



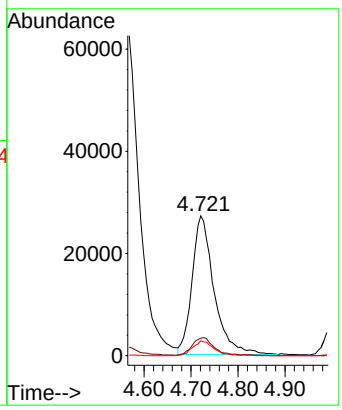


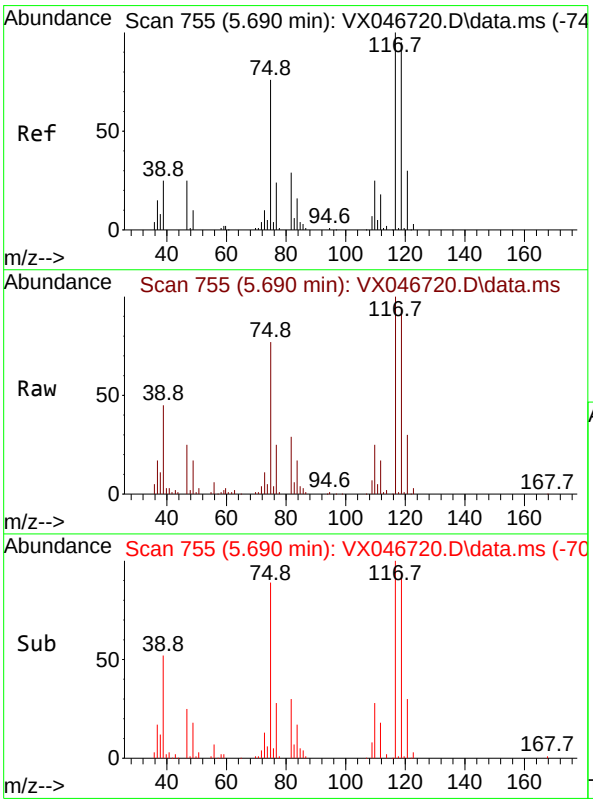

#37
Ethyl Acetate
Concen: 48.877 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 88076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.7 | 14.5 |
| 70 | 10.1 | 8.1 | 12.1 |

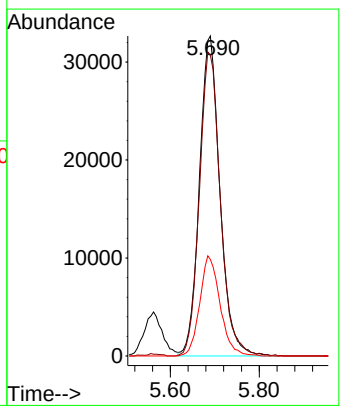


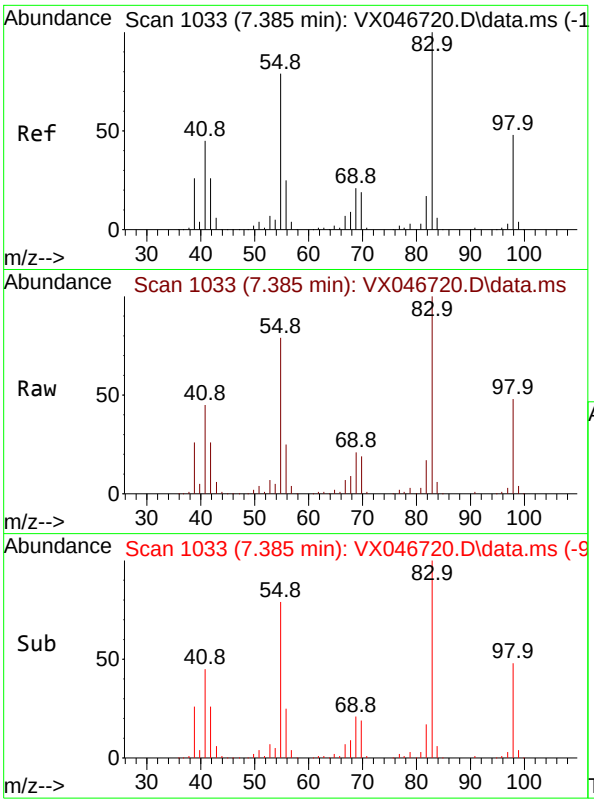




#38
Carbon Tetrachloride
Concen: 49.656 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:117 Resp: 105202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.1 | 24.1 | 36.1 |



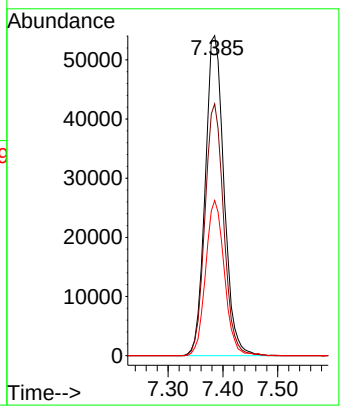


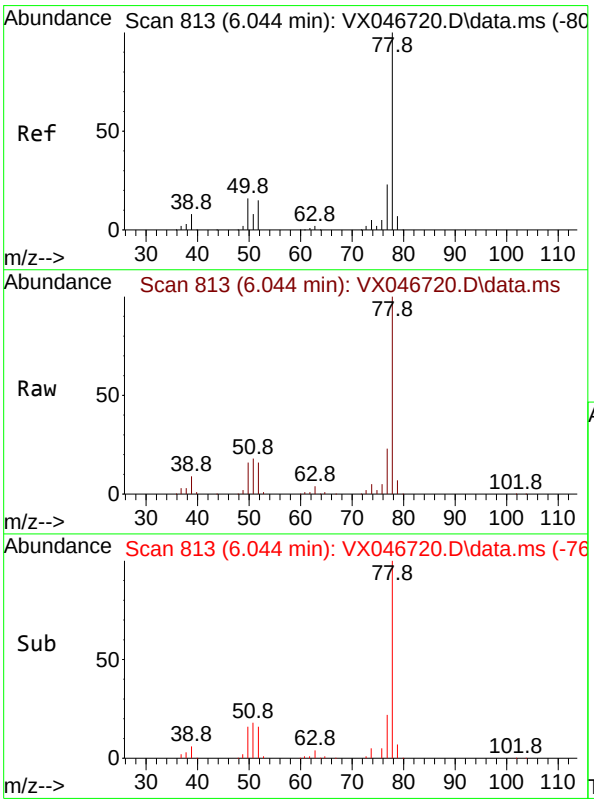

#39
Methylcyclohexane
Concen: 50.041 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 128553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.7 | 63.0 | 94.4 |
| 98 | 48.5 | 38.8 | 58.2 |

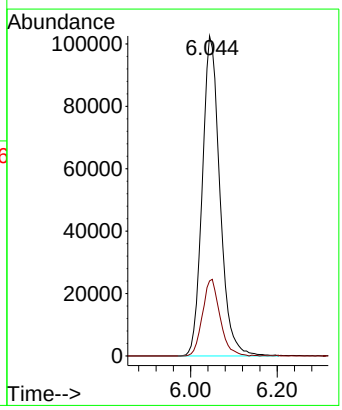


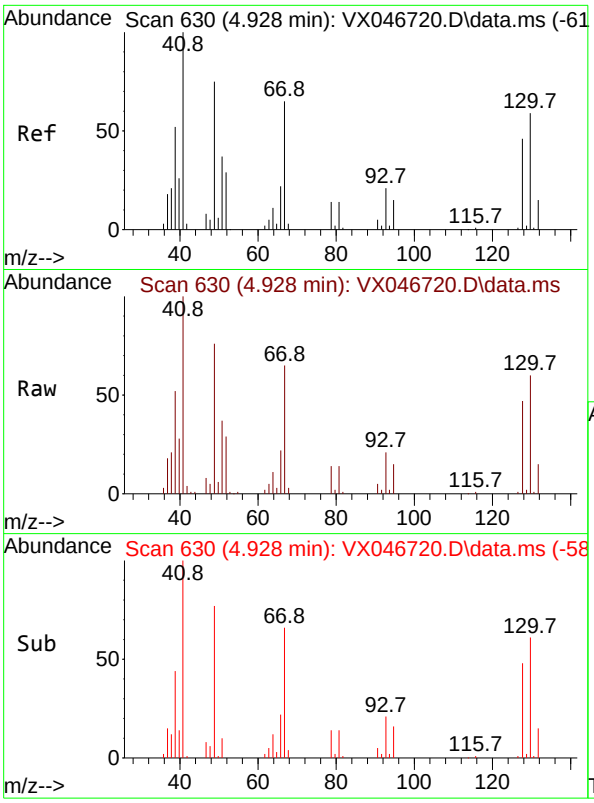




#40
Benzene
Concen: 50.146 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 78 Resp: 289724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



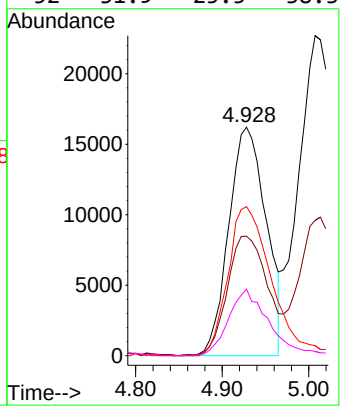


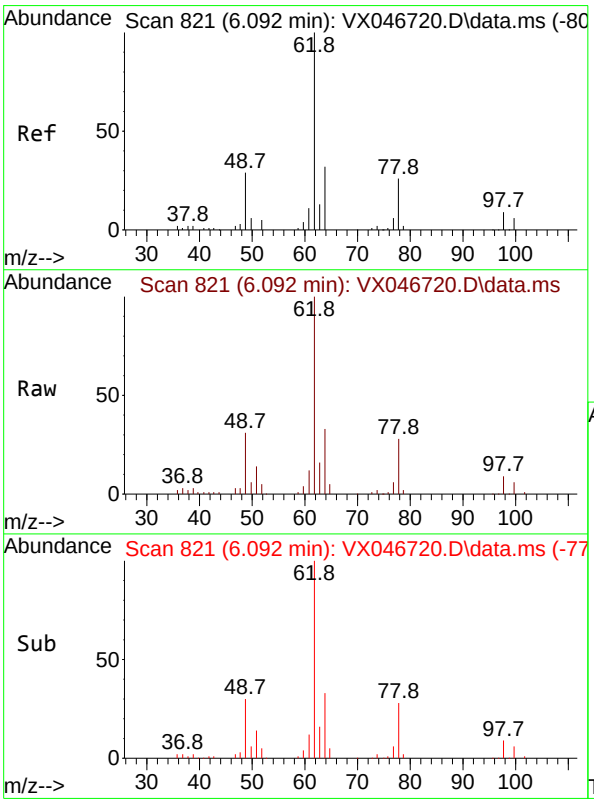

#41
Methacrylonitrile
Concen: 50.762 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 48765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.4 | 45.9 | 68.9 |
| 67 | 76.5 | 61.2 | 91.8 |
| 52 | 31.9 | 25.5 | 38.3 |

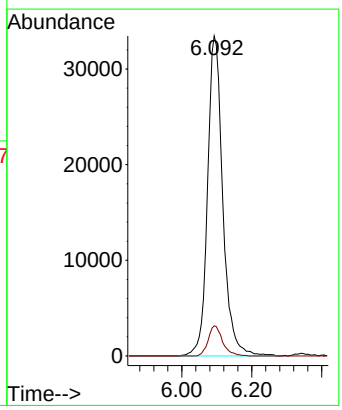


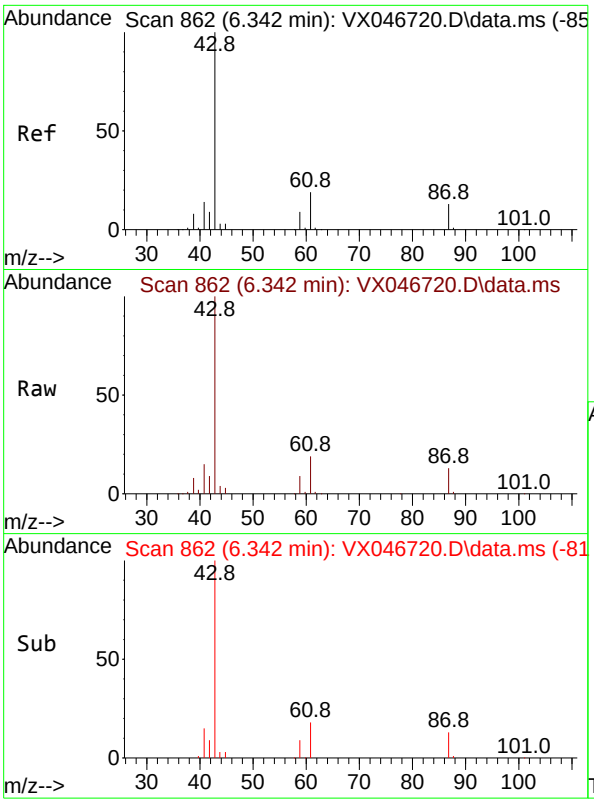




#42
1,2-Dichloroethane
Concen: 49.855 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 62 Resp: 101218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 17.8 |



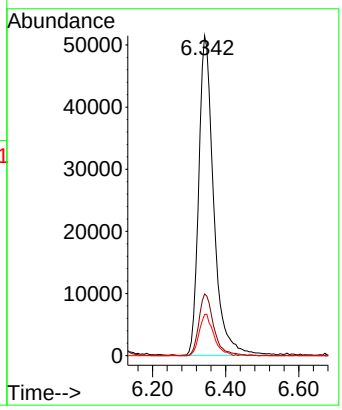


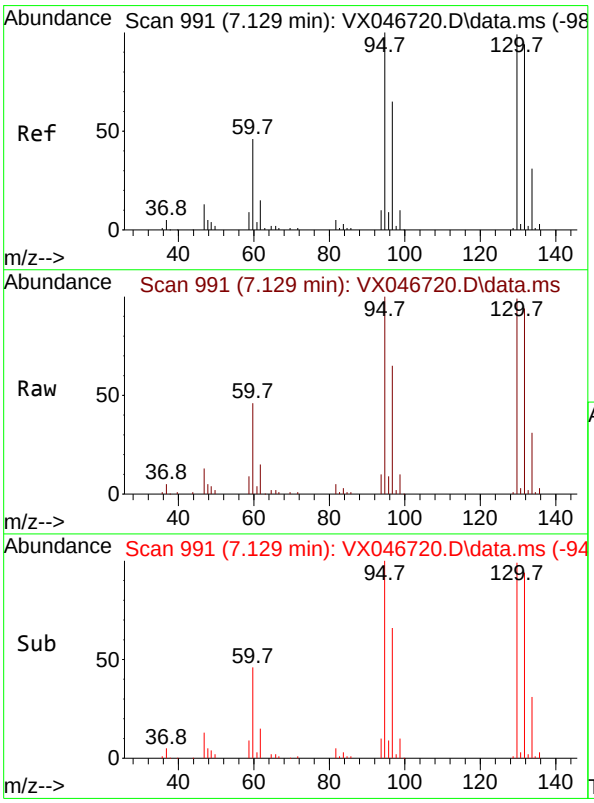

#43
Isopropyl Acetate
Concen: 51.911 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 146377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

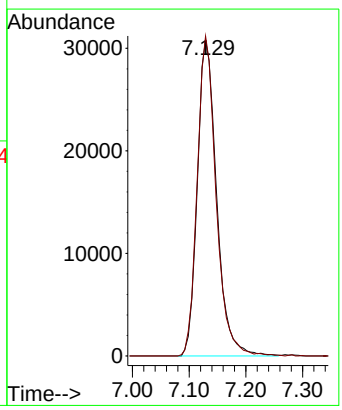


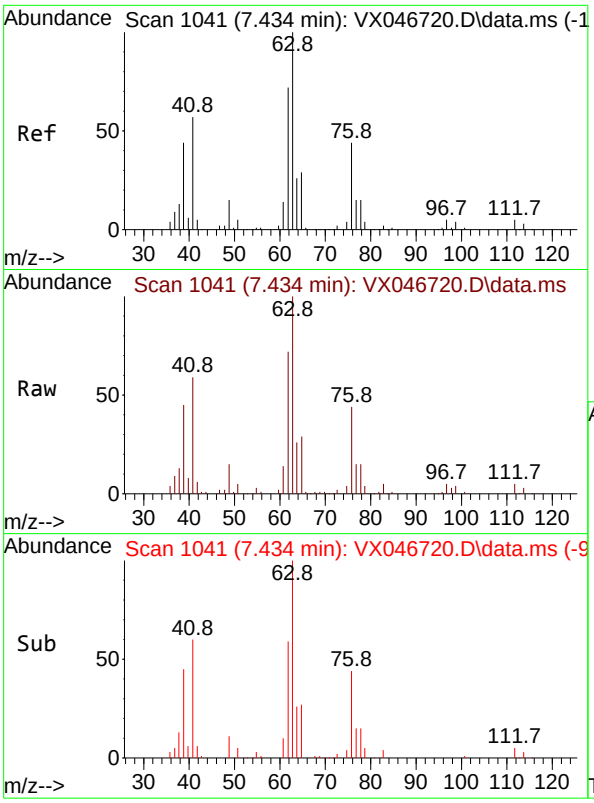




#44
Trichloroethene
Concen: 49.441 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:130 Resp: 72796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.3 | 0.0 | 202.6 |



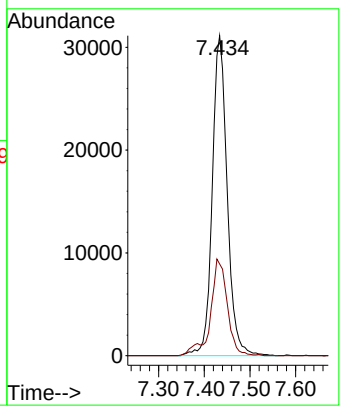


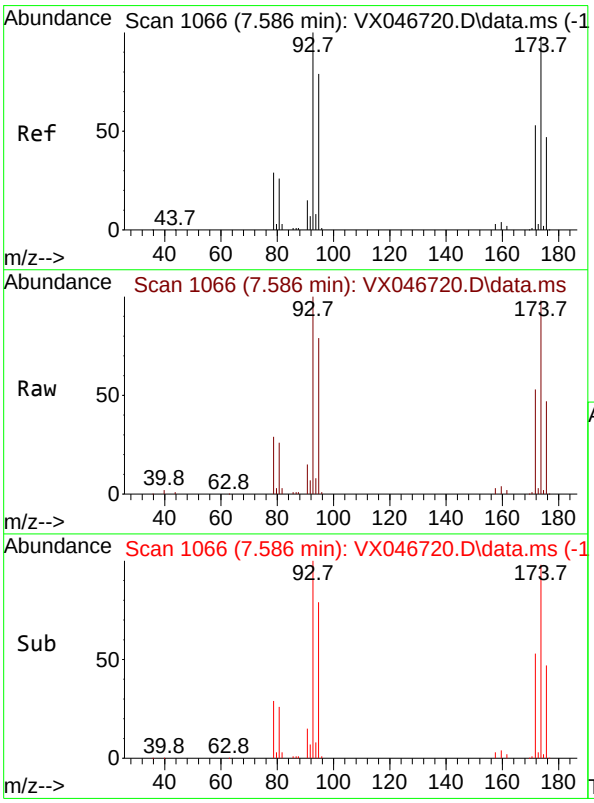

#45
1,2-Dichloropropane
Concen: 49.378 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 70702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.6 | 22.9 | 34.3 |

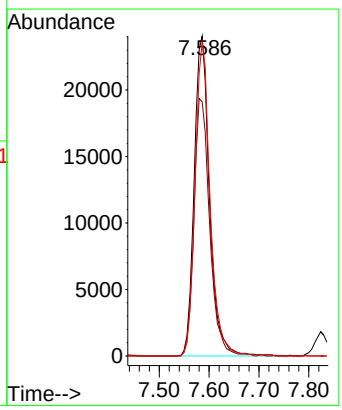


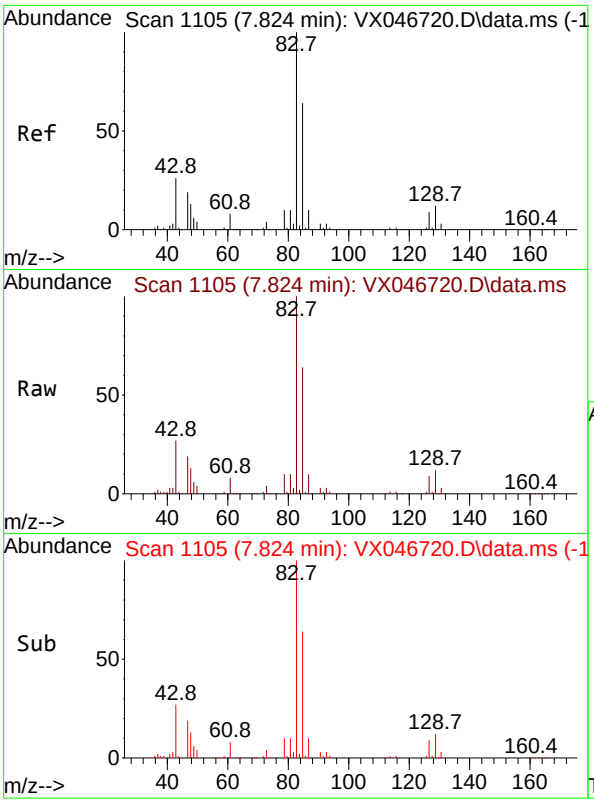




#46
Dibromomethane
Concen: 49.840 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 93 Resp: 51288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 66.2 | 99.4 |
| 174 | 96.3 | 77.0 | 115.6 |



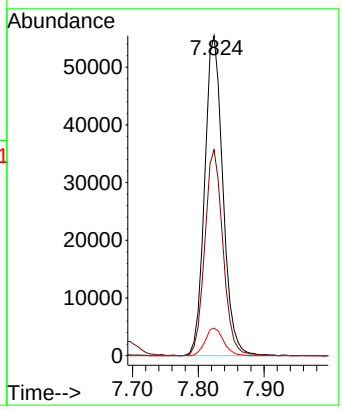


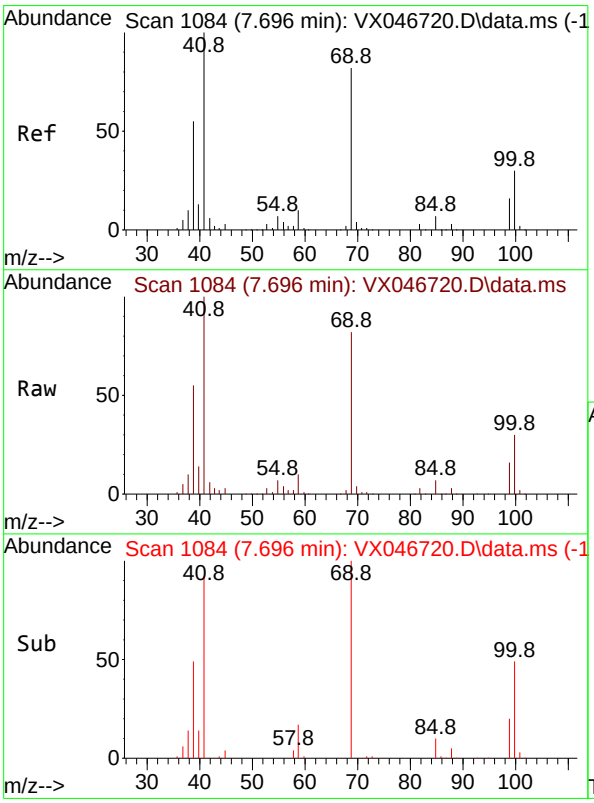

#47
Bromodichloromethane
Concen: 50.787 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 106651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.2 |
| 127 | 8.6 | 6.9 | 10.3 |

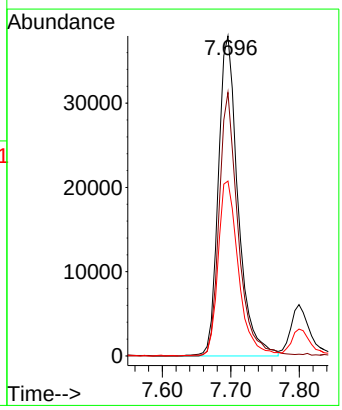


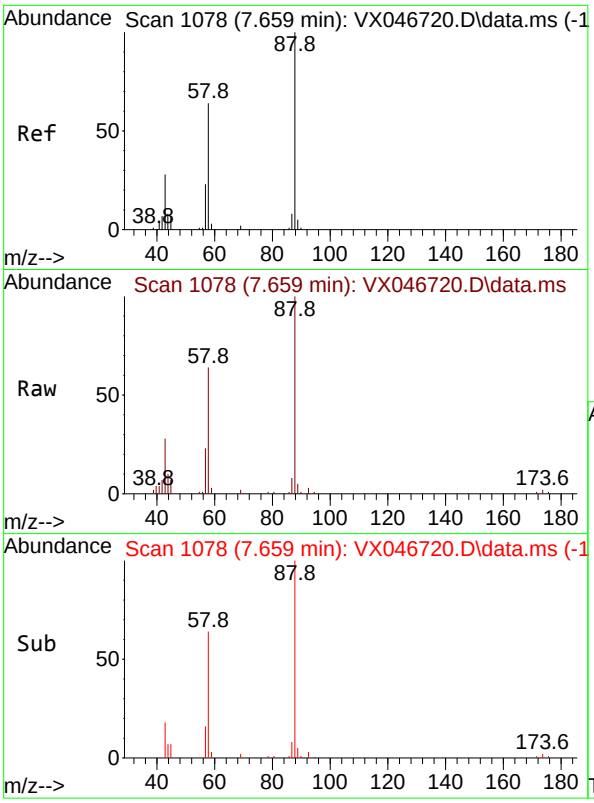




#48
Methyl methacrylate
Concen: 53.535 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 41 Resp: 75708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.3 | 63.4 | 95.2 |
| 39 | 56.7 | 45.4 | 68.0 |



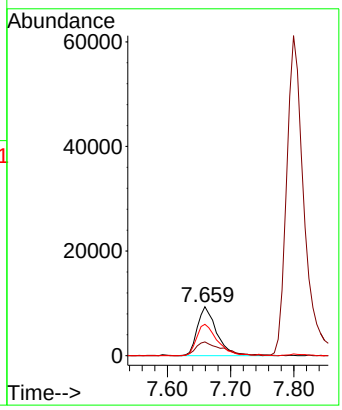


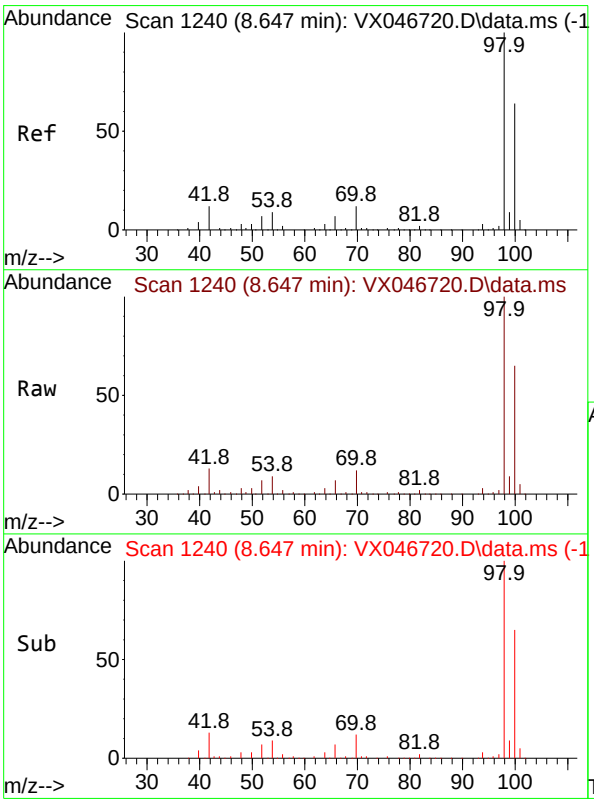

#49
1,4-Dioxane
Concen: 962.534 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 19802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.0 | 31.2 | 46.8 |
| 58 | 68.4 | 54.7 | 82.1 |

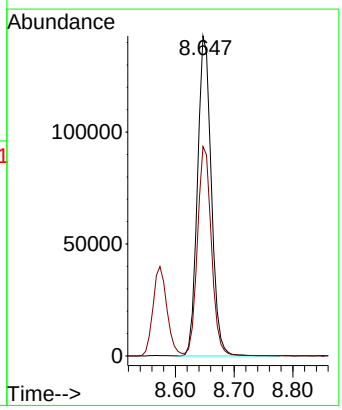


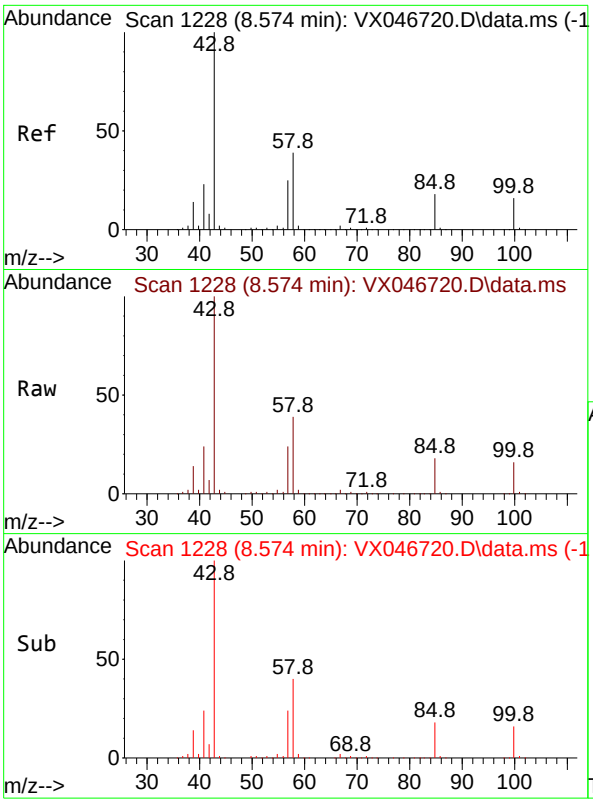




#50
Toluene-d8
Concen: 48.124 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 98 Resp: 233825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |



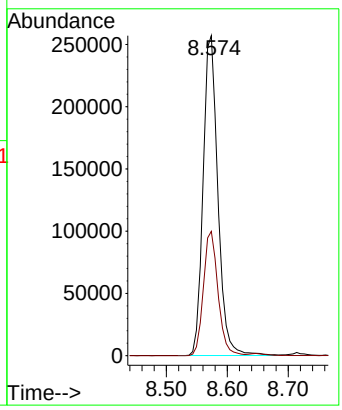


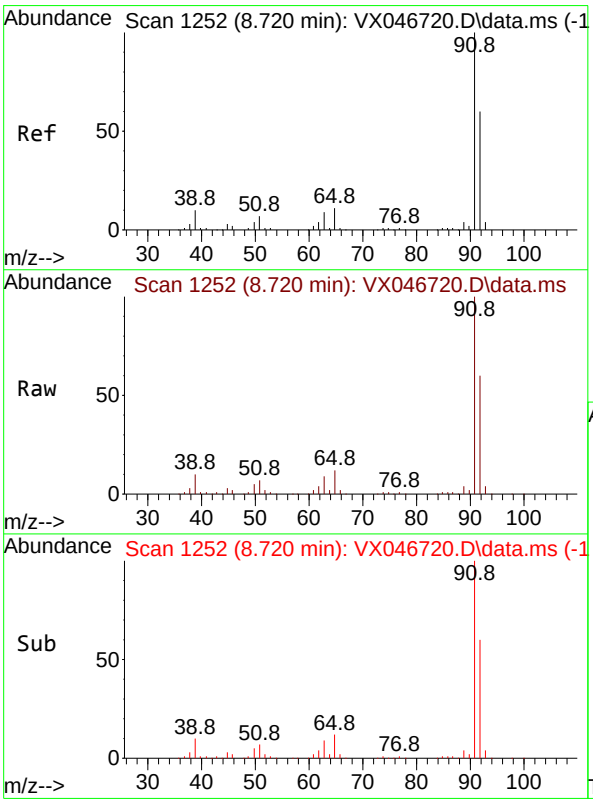

#51
4-Methyl-2-Pentanone
Concen: 258.656 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 435000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.8 | 46.2 |

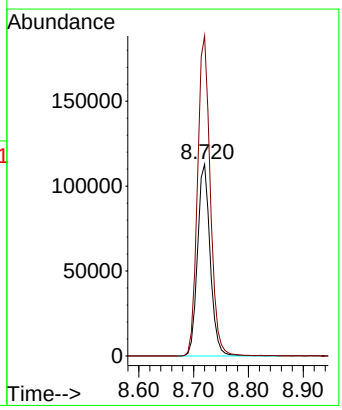


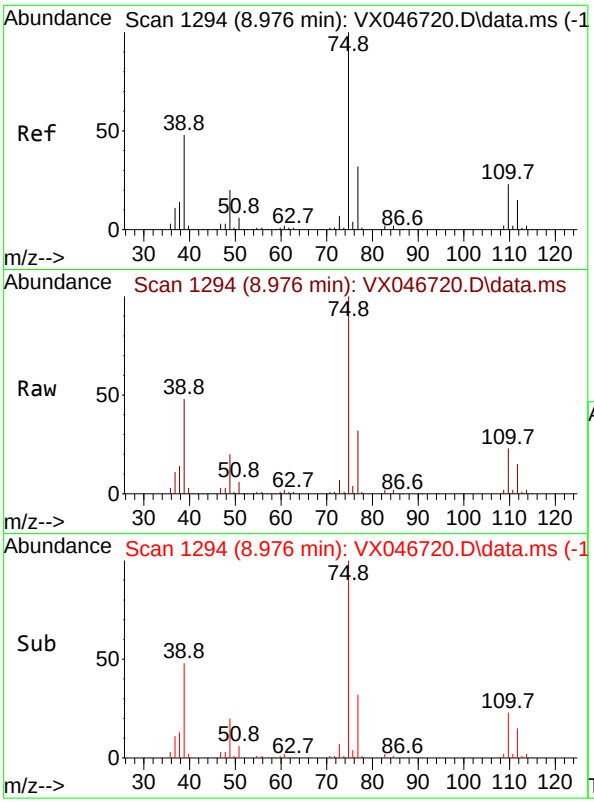




#52
Toluene
Concen: 50.650 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 92 Resp: 181414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 134.8 | 202.2 |



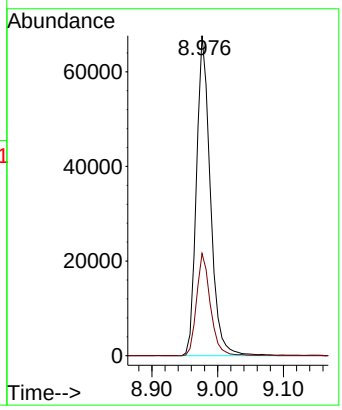


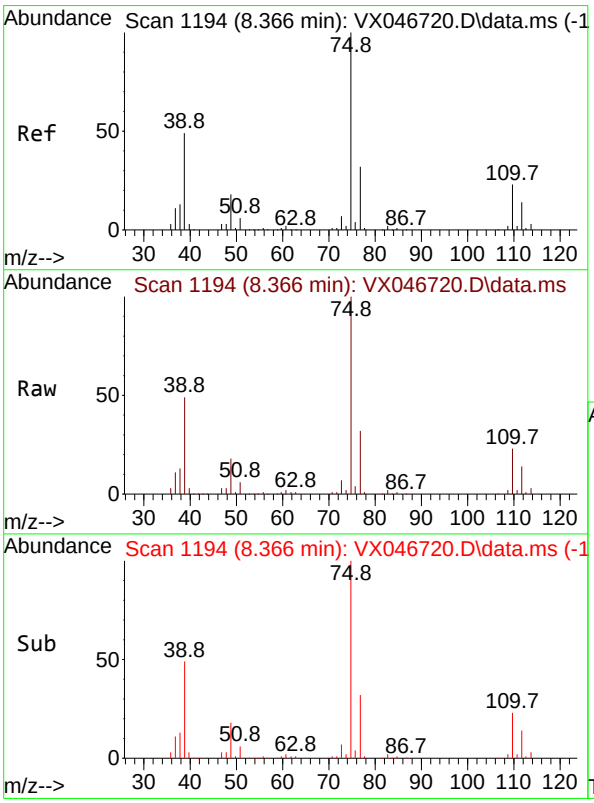

#53
t-1,3-Dichloropropene
Concen: 51.183 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 99727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.6 | 38.4 |

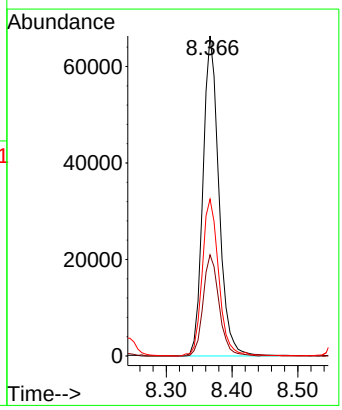


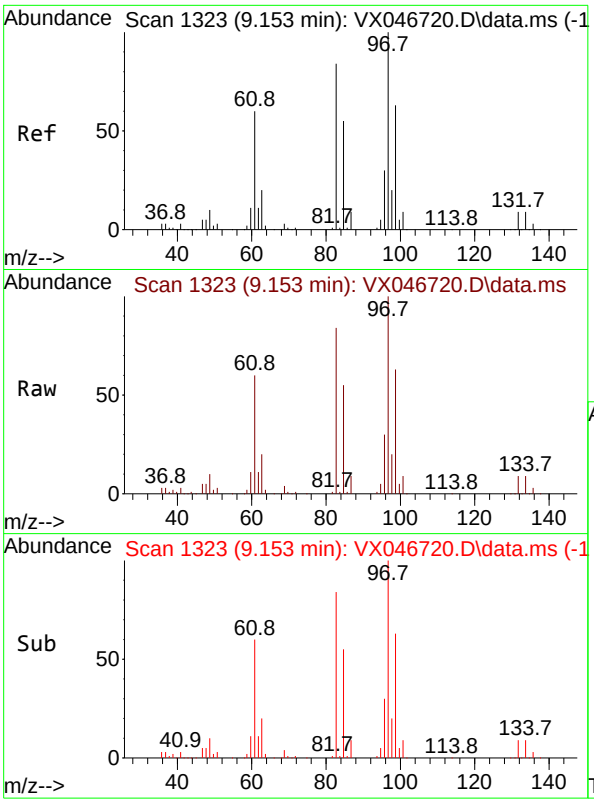




#54
cis-1,3-Dichloropropene
Concen: 50.598 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 111917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.3 | 37.9 |
| 39 | 49.0 | 39.2 | 58.8 |



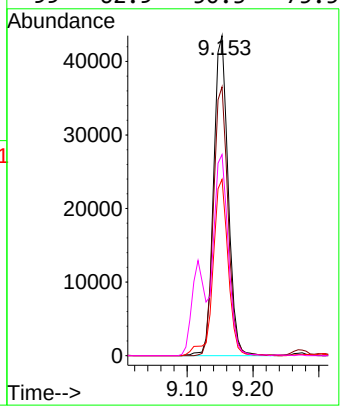


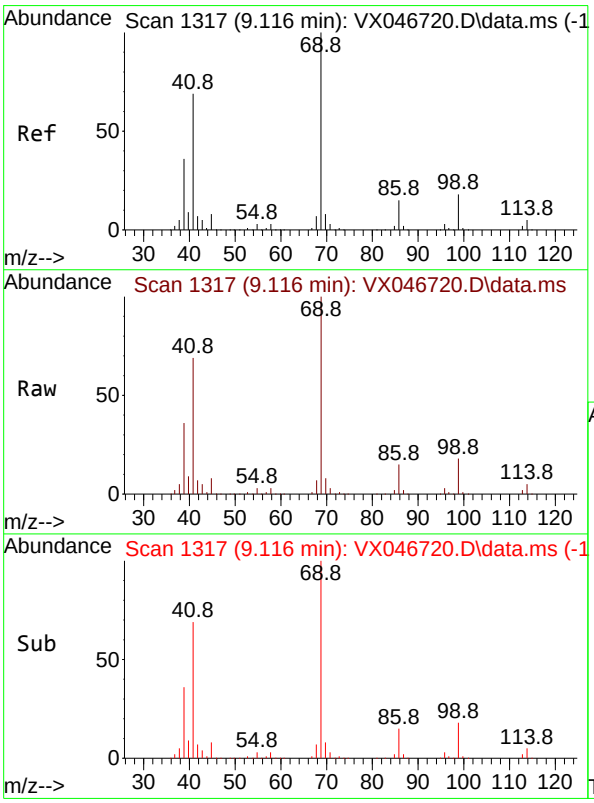

#55
1,1,2-Trichloroethane
Concen: 49.963 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 66688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.0 | 67.2 | 100.8 |
| 85 | 55.1 | 44.1 | 66.1 |
| 99 | 62.9 | 50.3 | 75.5 |

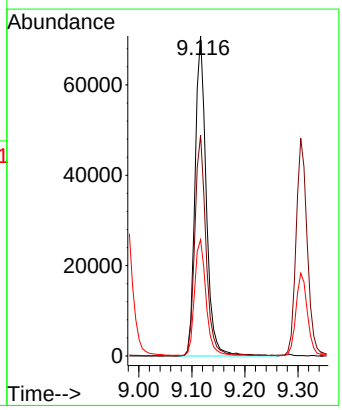


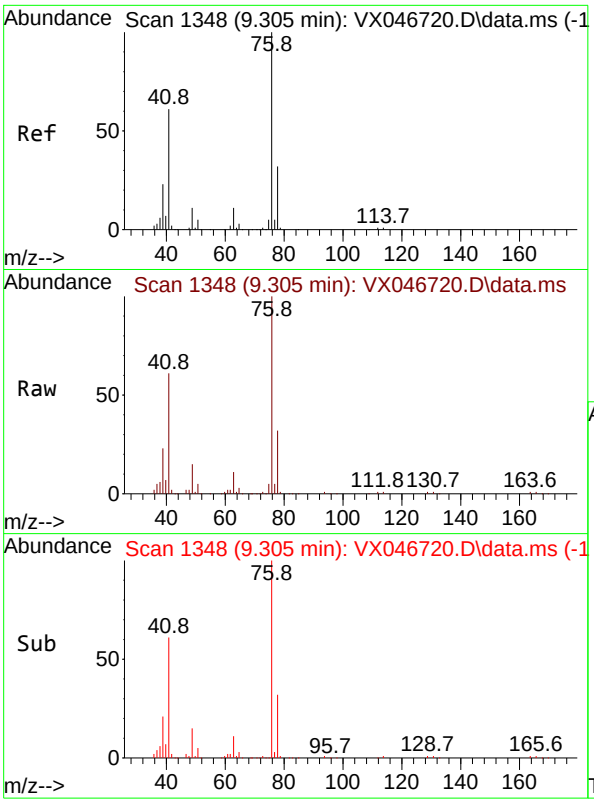




#56
Ethyl methacrylate
Concen: 52.629 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 69 Resp: 103697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |



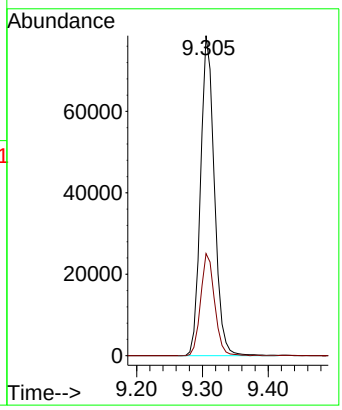


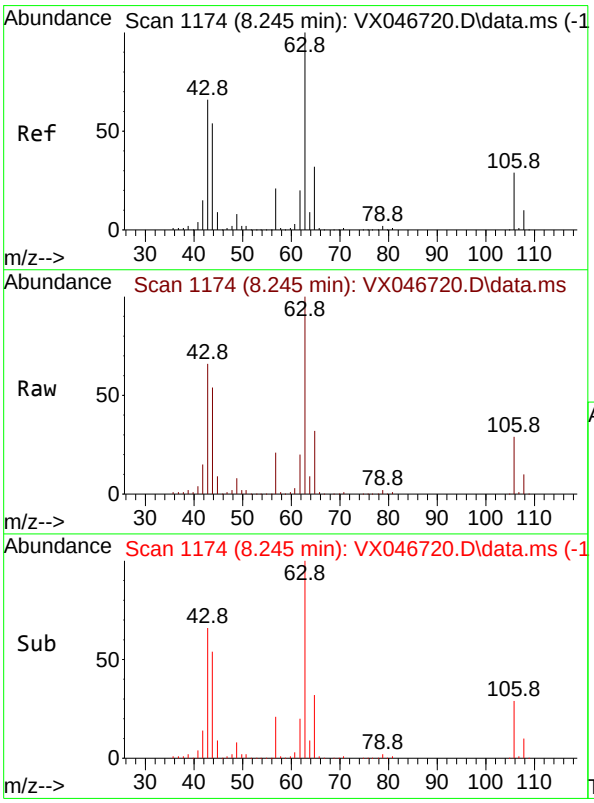

#57
1,3-Dichloropropane
Concen: 49.955 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 114824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 25.7 | 38.5 |

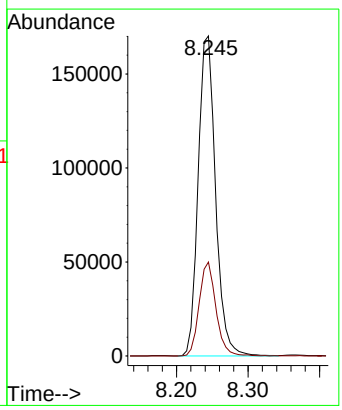


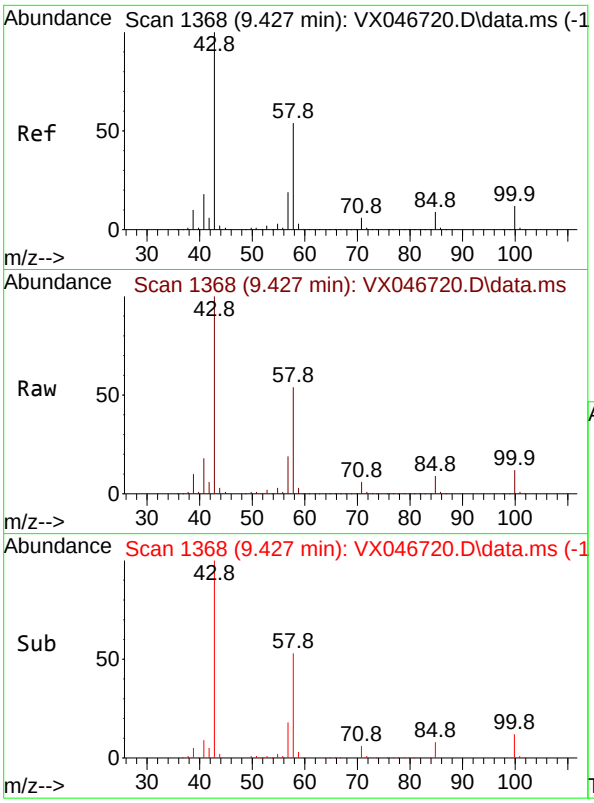




#58
2-Chloroethyl Vinyl ether
Concen: 280.927 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 63 Resp: 287531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.6 | 34.0 |



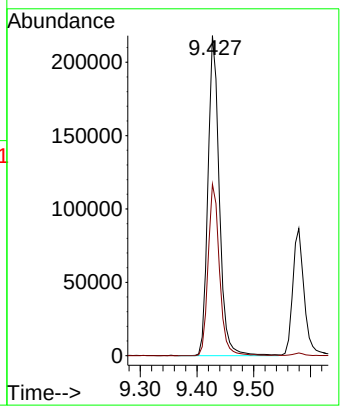


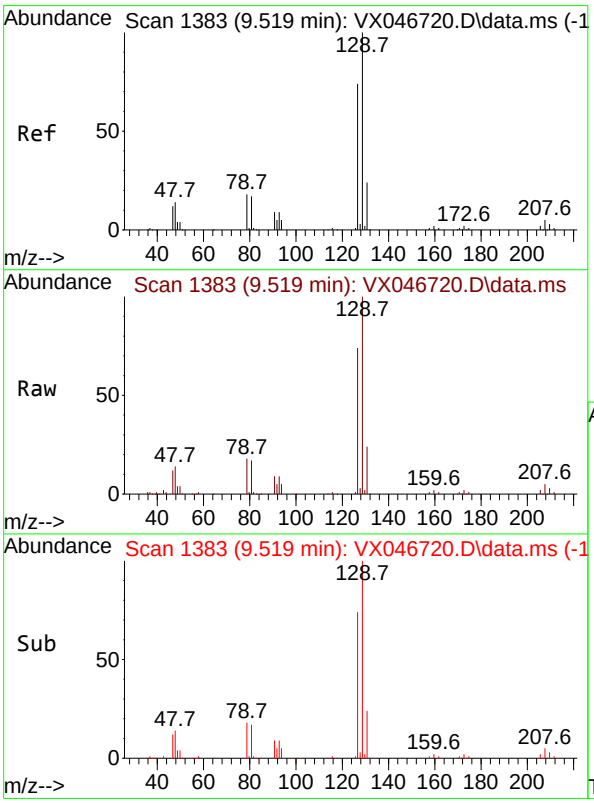

#59
2-Hexanone
Concen: 260.883 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 303322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.8 | 80.4 |

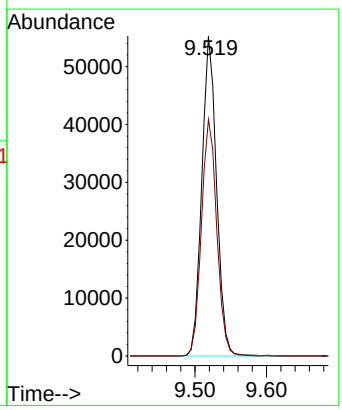


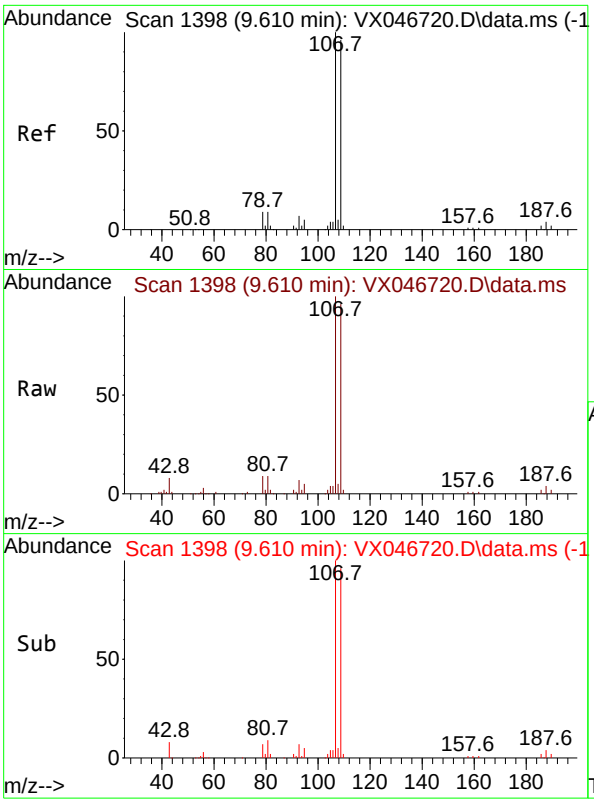




#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:129 Resp: 79227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |



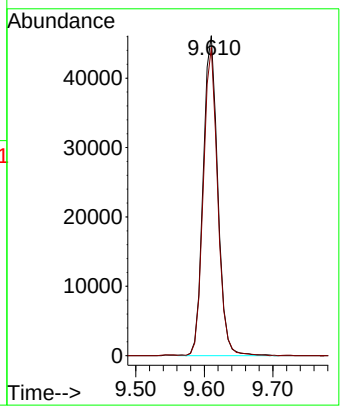


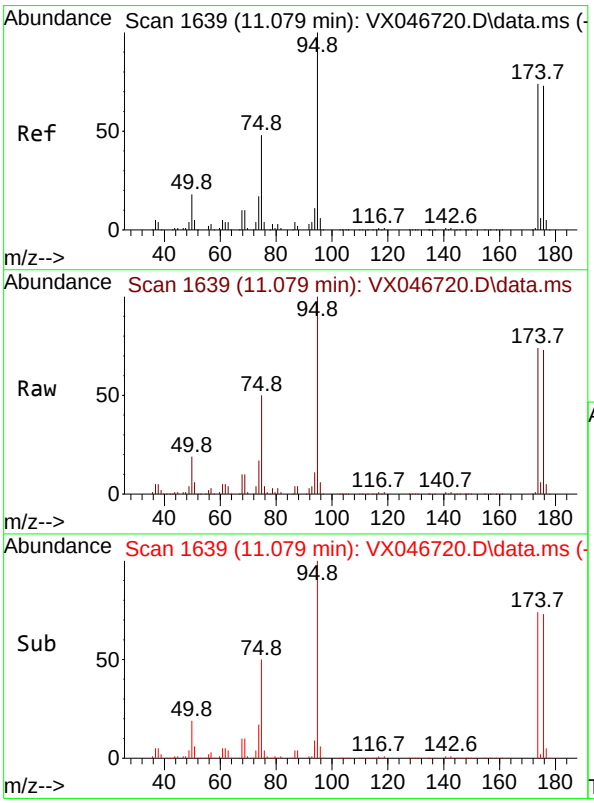

#61
1,2-Dibromoethane
Concen: 50.464 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 68515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 75.8 | 113.6 |

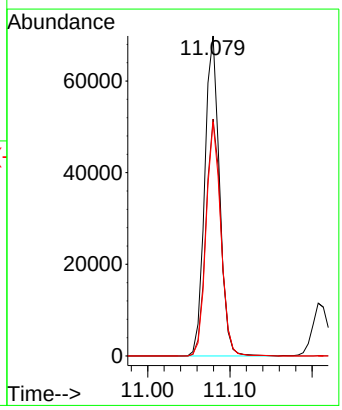


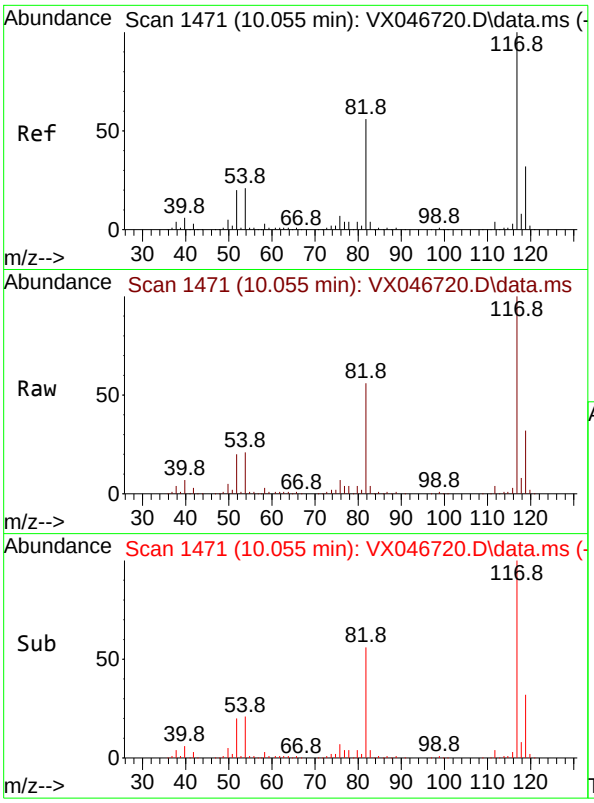




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 95 Resp: 87131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 150.4 |
| 176 | 72.5 | 0.0 | 145.0 |



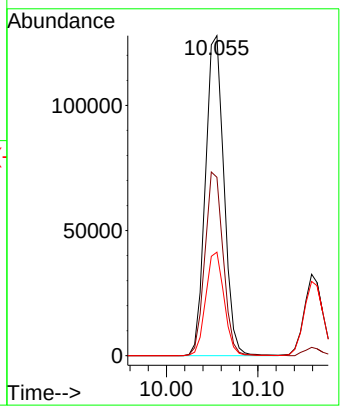


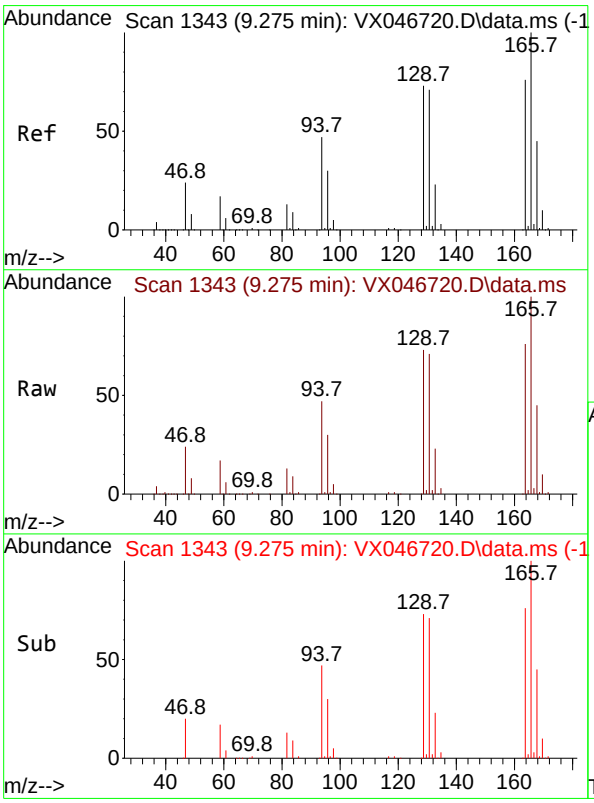

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 179407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 32.3 | 25.8 | 38.8 |

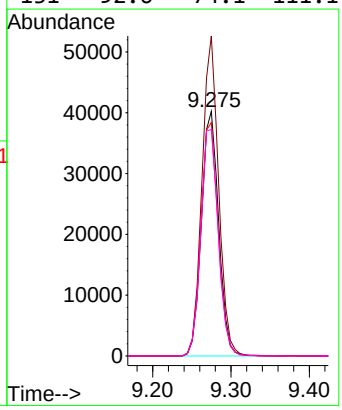


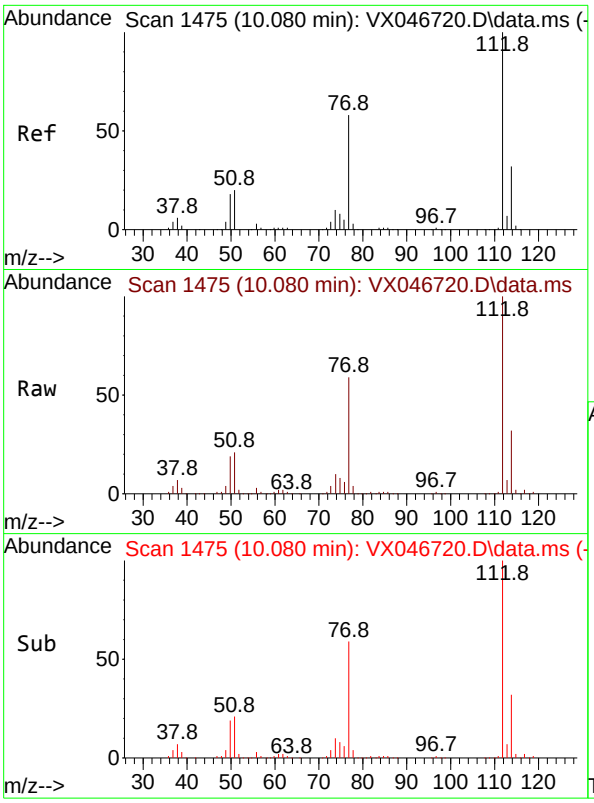




#64
Tetrachloroethene
Concen: 49.115 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:164 Resp: 61048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.8 | 104.6 | 157.0 |
| 129 | 95.4 | 76.3 | 114.5 |
| 131 | 92.6 | 74.1 | 111.1 |



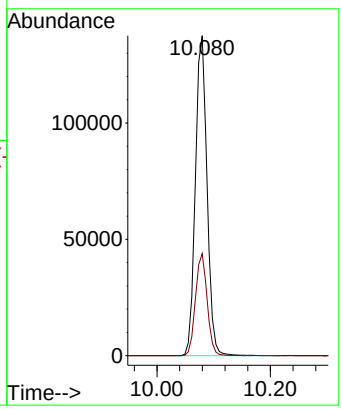


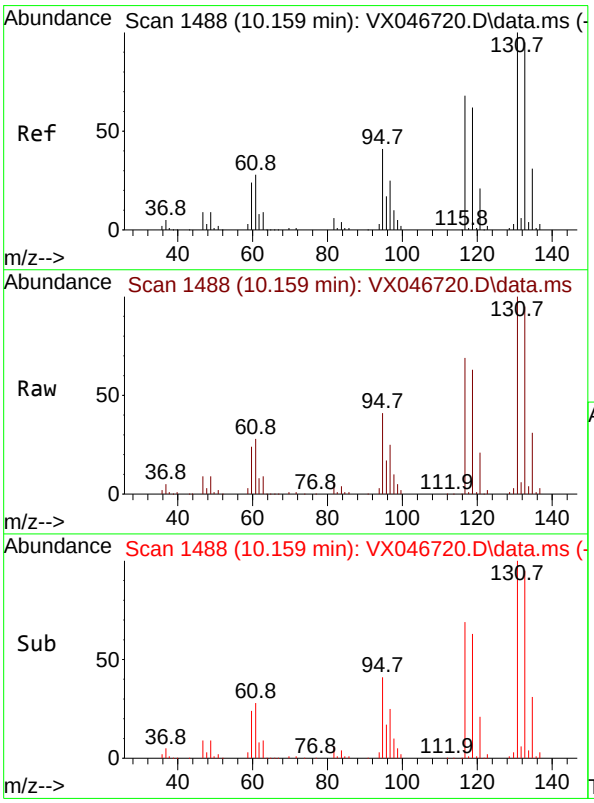

#65
Chlorobenzene
Concen: 49.429 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 195752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |

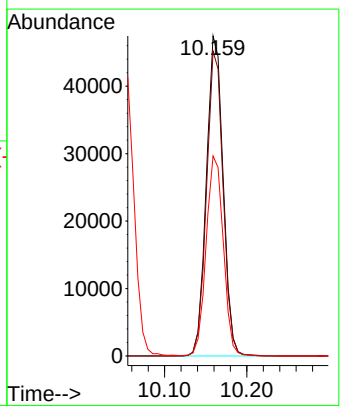


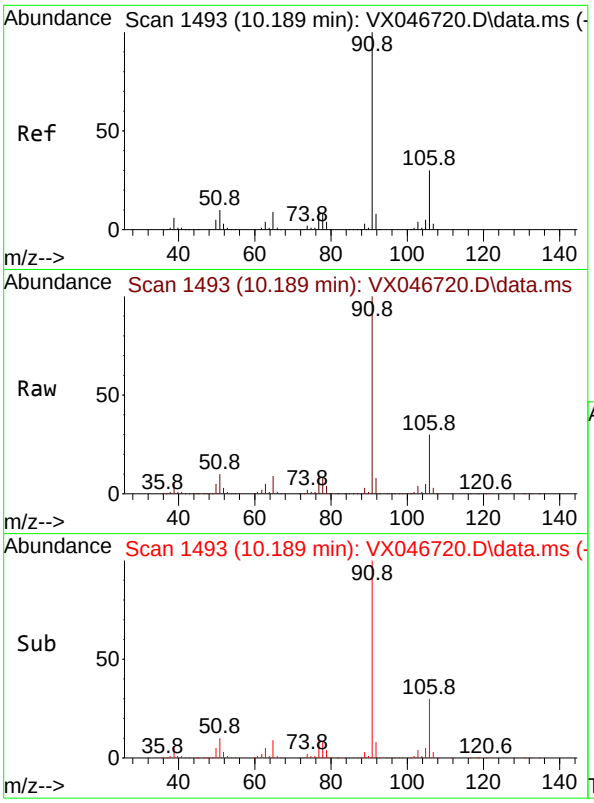




#66
1,1,1,2-Tetrachloroethane
Concen: 50.341 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:131 Resp: 67004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 64.2 | 32.1 | 96.3 |



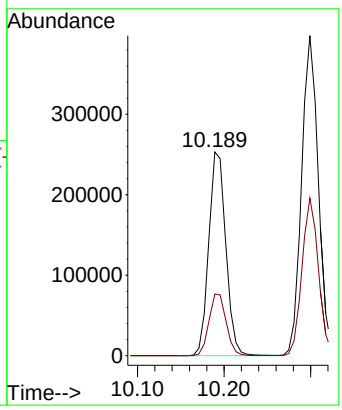


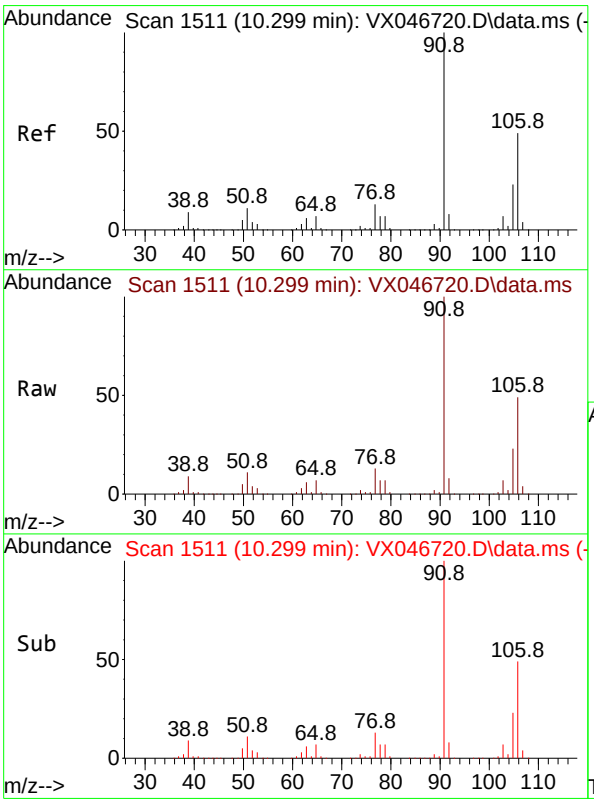

#67
Ethyl Benzene
Concen: 50.119 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 346812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 24.2 | 36.2 |

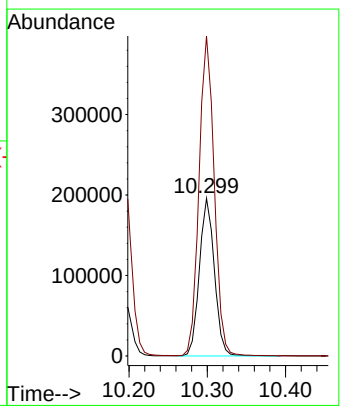


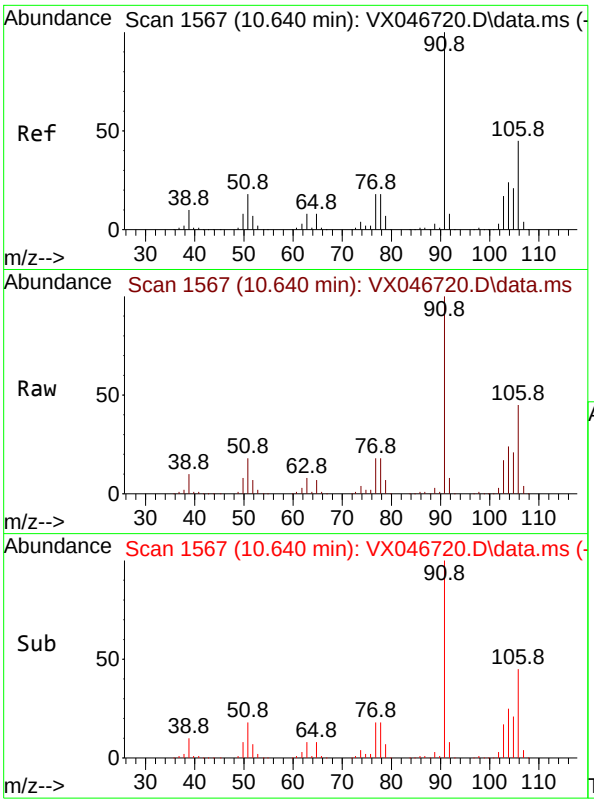




#68
m/p-Xylenes
Concen: 100.800 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:106 Resp: 259899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.0 | 164.8 | 247.2 |



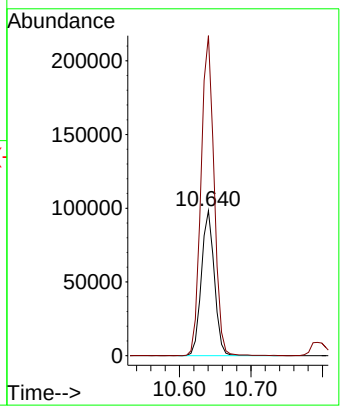


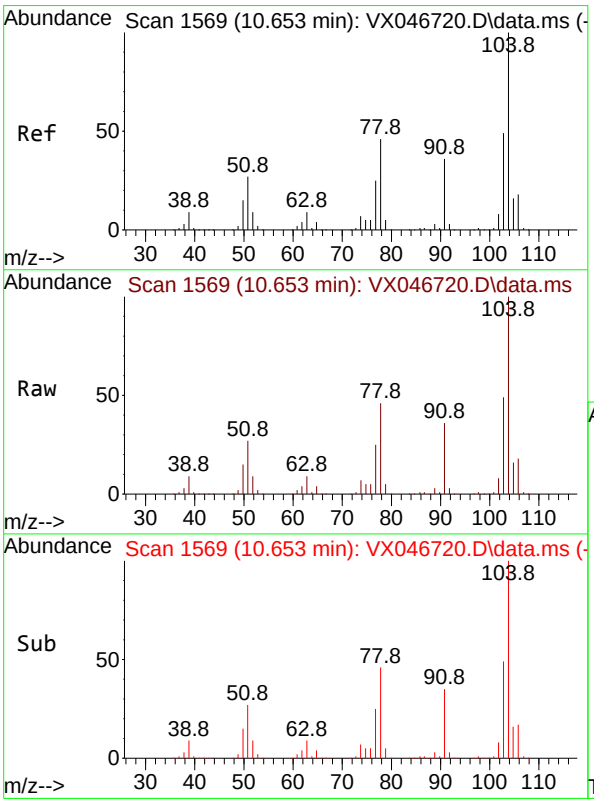

#69
o-Xylene
Concen: 51.366 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 124120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.6 | 111.3 | 333.9 |

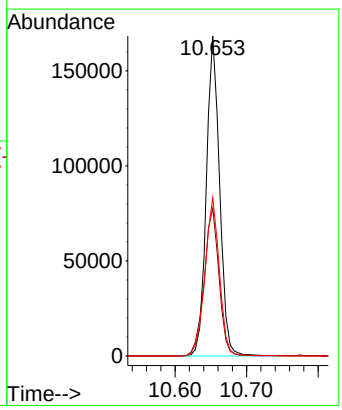


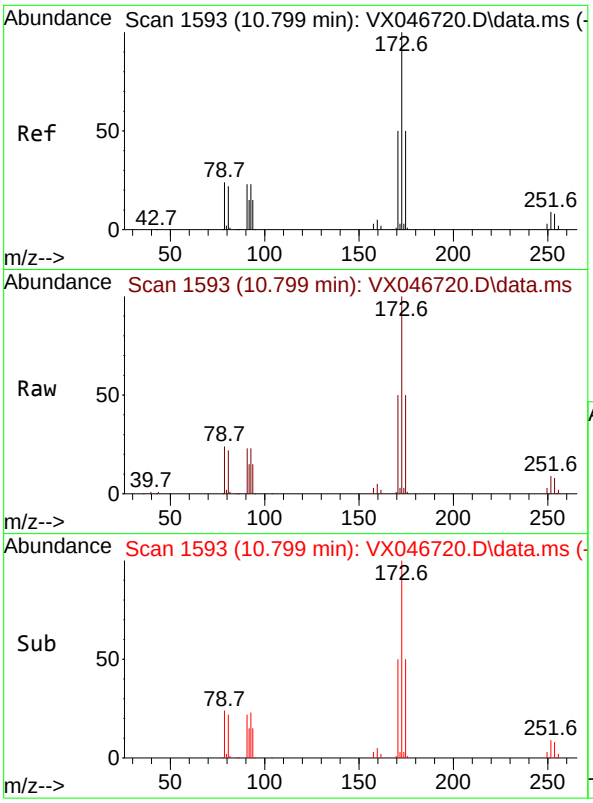




#70
Styrene
Concen: 51.254 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:104 Resp: 216738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.8 | 41.4 | 62.2 |
| 103 | 53.9 | 43.1 | 64.7 |



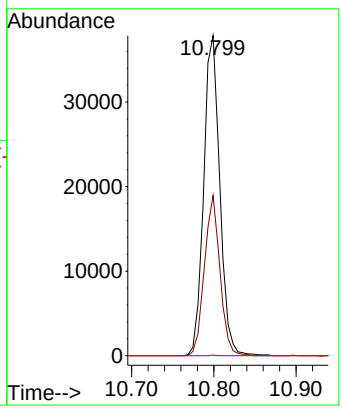


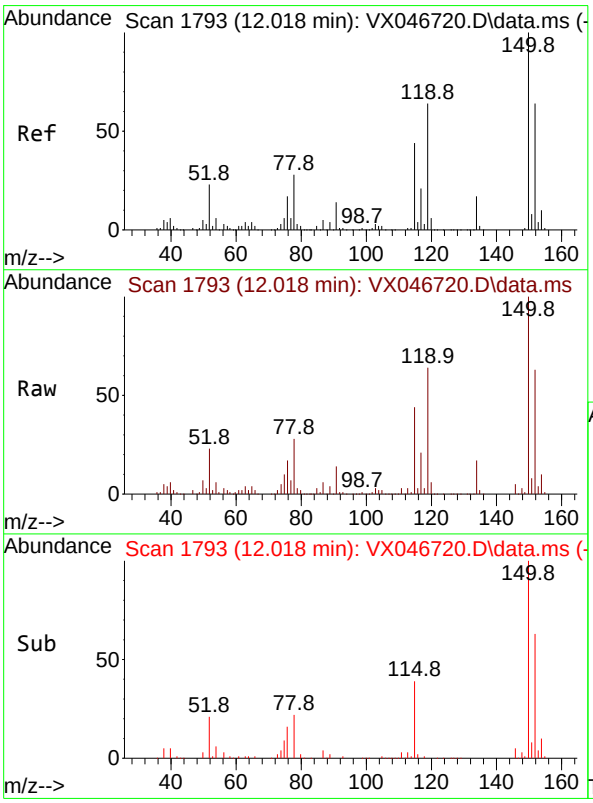

#71
Bromoform
Concen: 50.792 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 51485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1# |

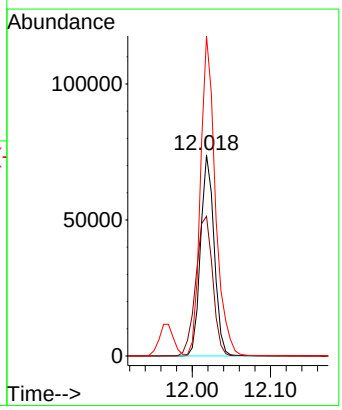


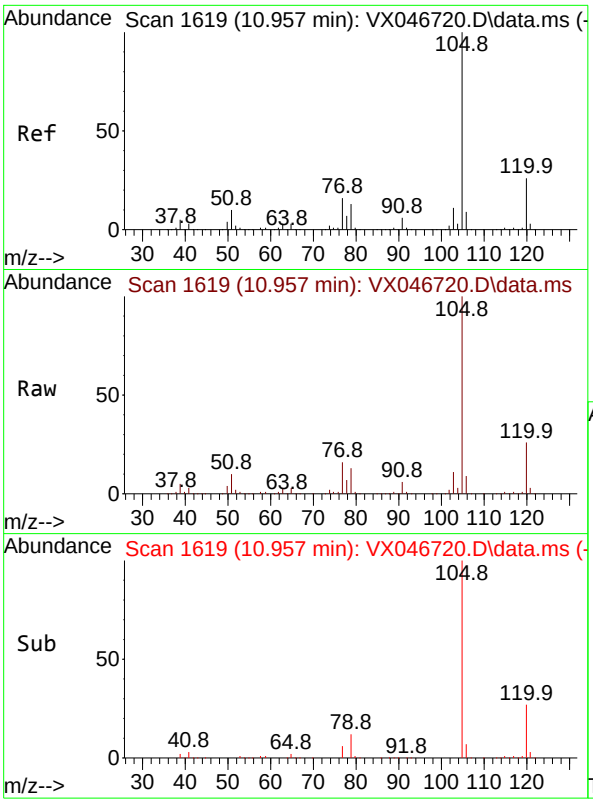




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:152 Resp: 89016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.4 | 43.2 | 129.6 |
| 150 | 173.4 | 0.0 | 346.8 |



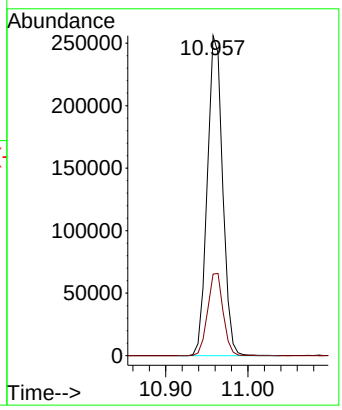


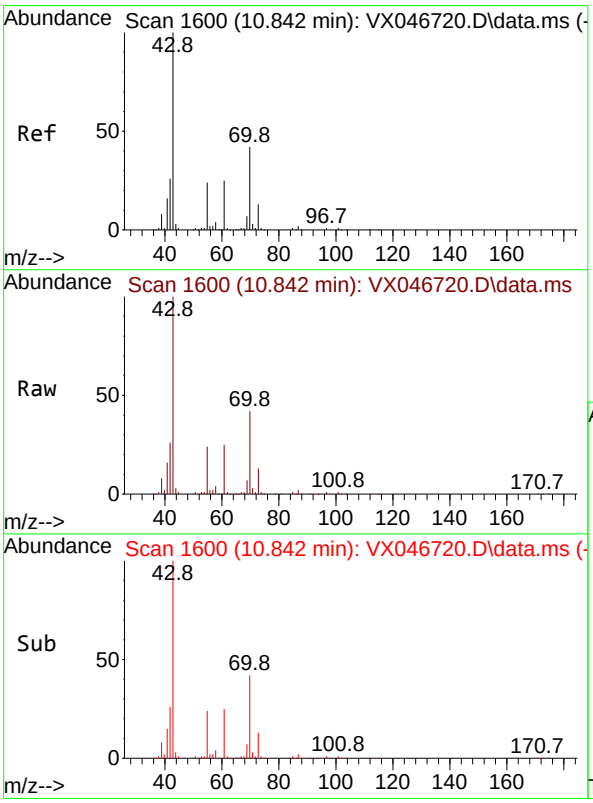

#73
Isopropylbenzene
Concen: 50.548 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 331391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

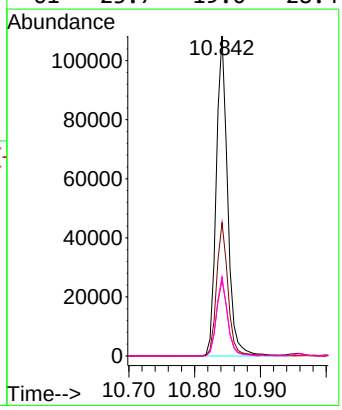


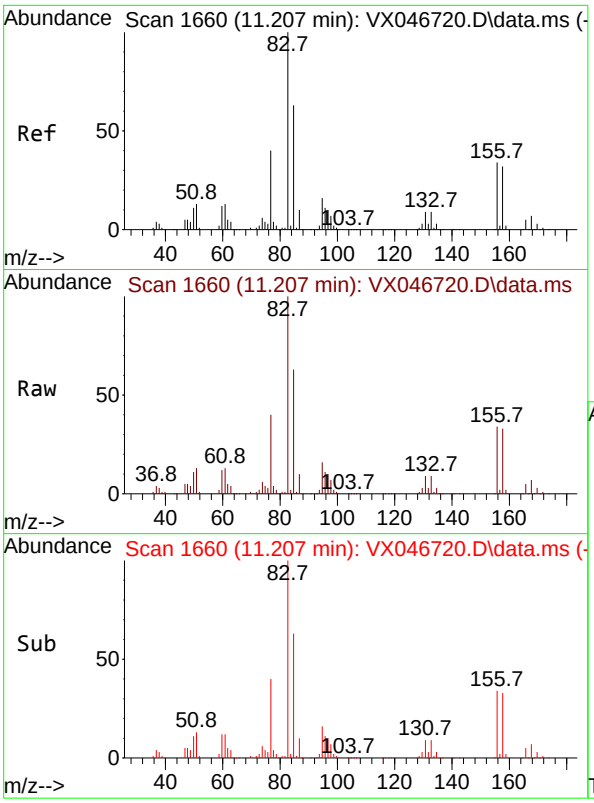




#74
N-amyl acetate
Concen: 52.581 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 43 Resp: 130606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.7 | 19.0 | 28.4 |



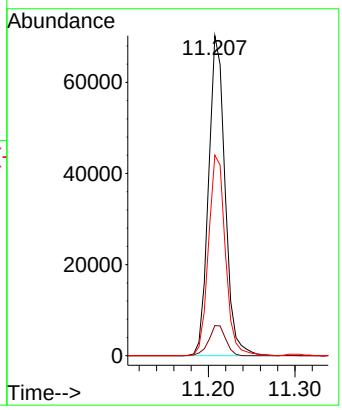


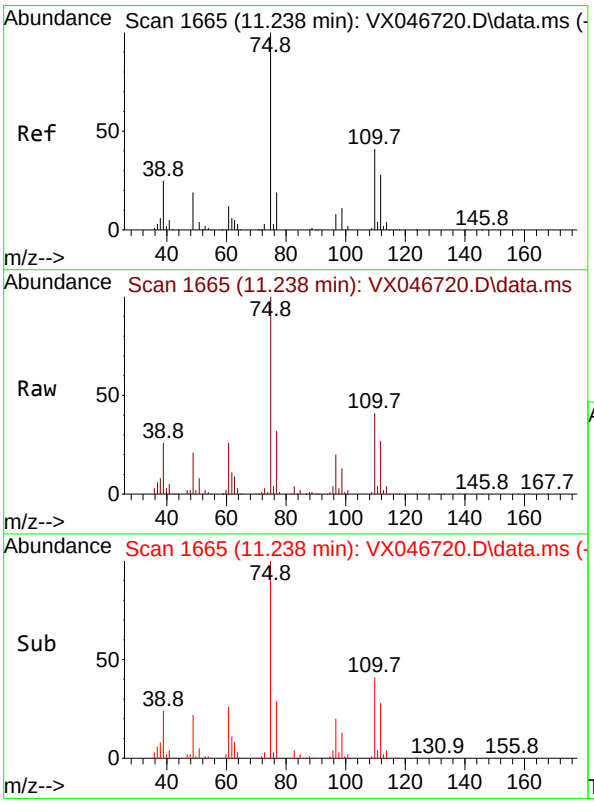

#75
1,1,2,2-Tetrachloroethane
Concen: 50.745 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 92893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 4.9 | 14.6 |
| 85 | 64.0 | 32.0 | 96.0 |

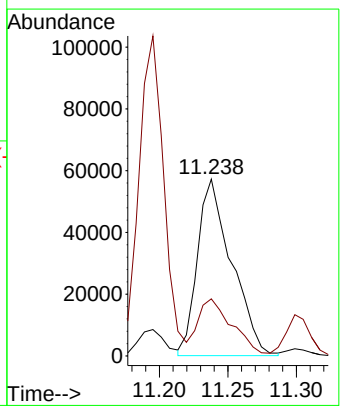


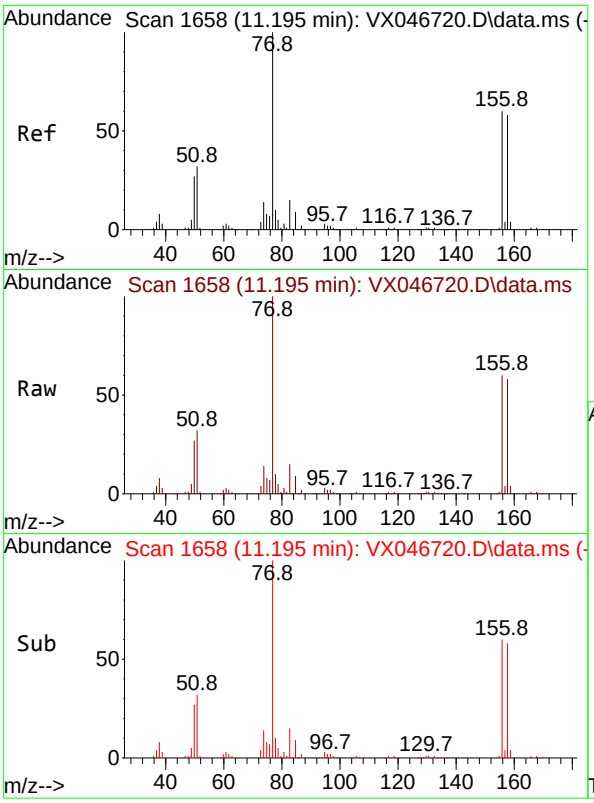




#76
1,2,3-Trichloropropane
Concen: 55.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 99621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 18.5 | 55.5 |



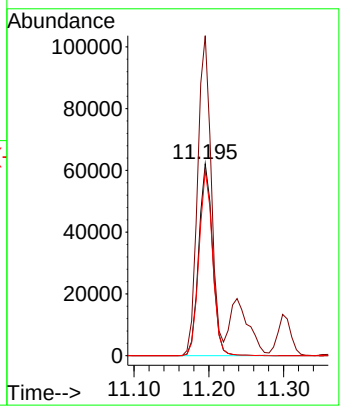


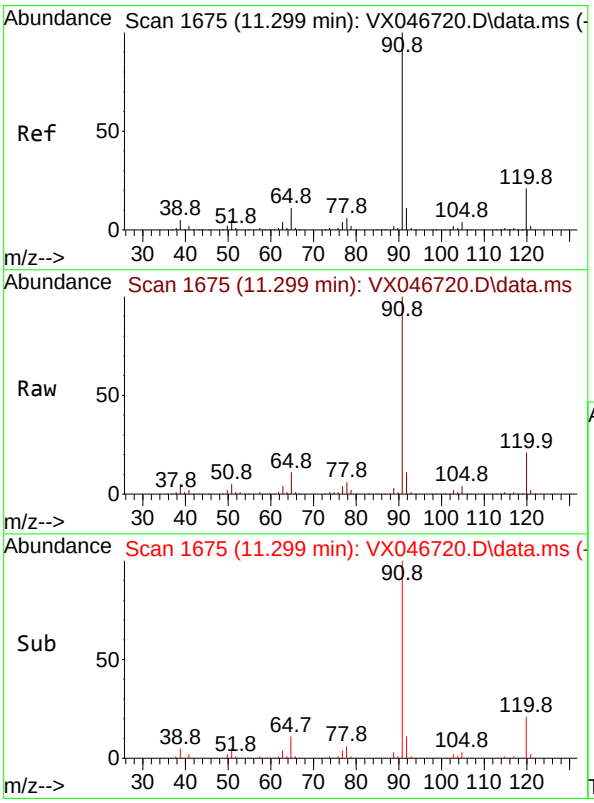

#77
Bromobenzene
Concen: 50.331 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 79404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.7 | 82.8 | 248.6 |
| 158 | 95.3 | 47.6 | 142.9 |

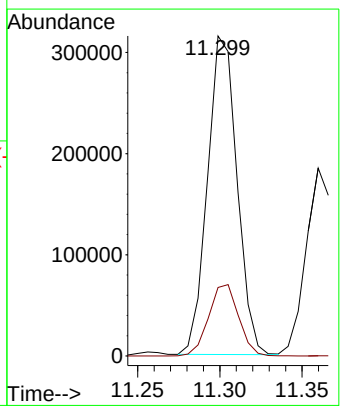


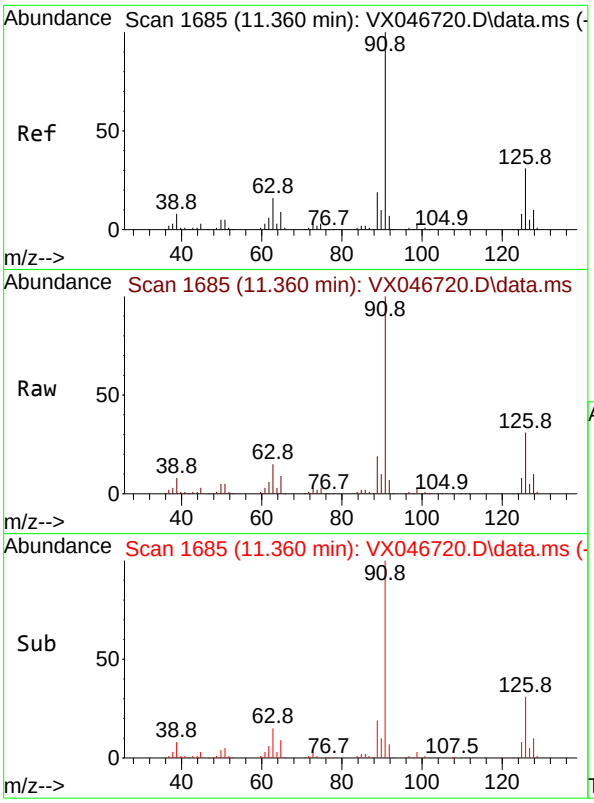




#78
n-propylbenzene
Concen: 50.646 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 394375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |



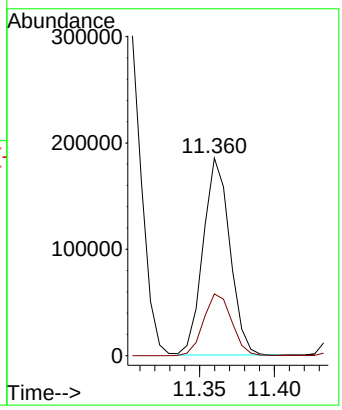


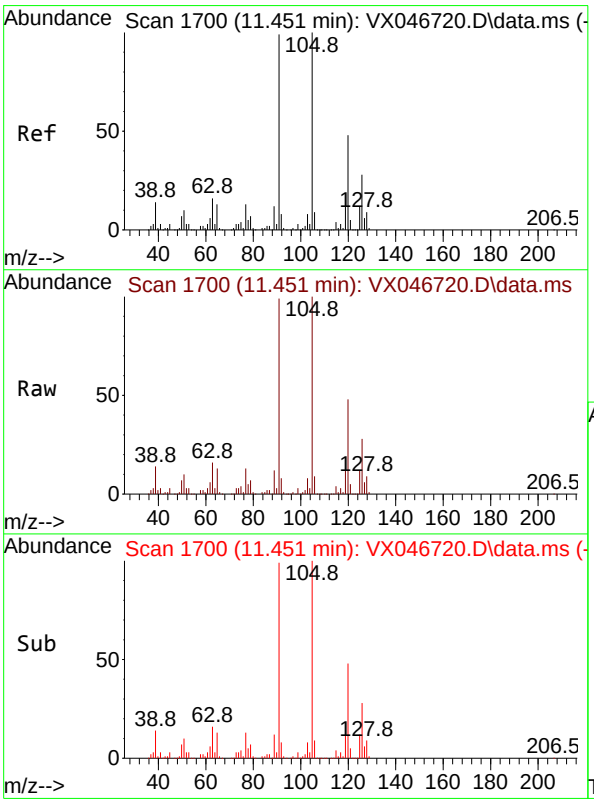

#79
2-Chlorotoluene
Concen: 49.509 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 230178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.6 | 49.7 |

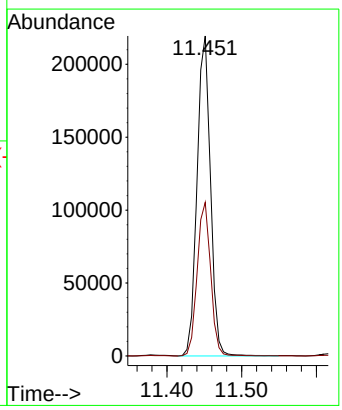


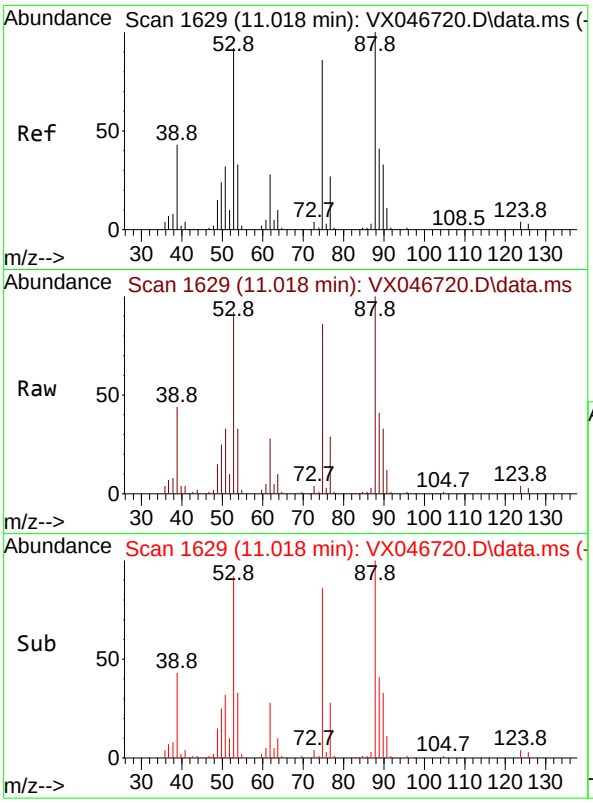




#80
1,3,5-Trimethylbenzene
Concen: 50.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:105 Resp: 273477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 24.1 | 72.2 |



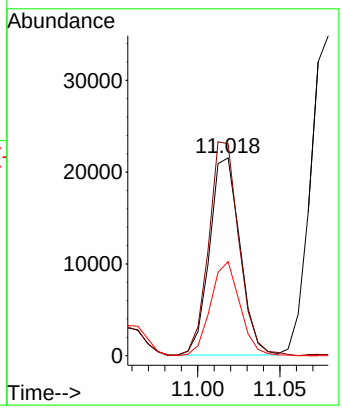


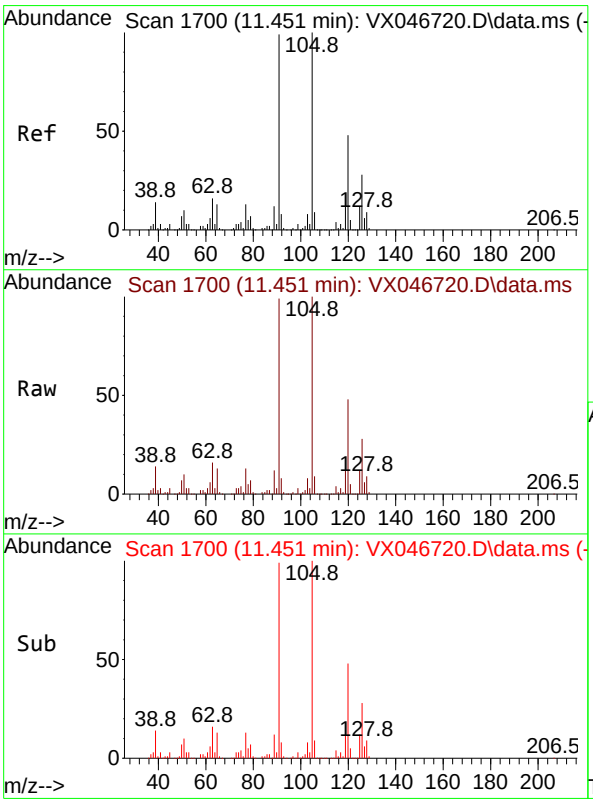

#81
trans-1,4-Dichloro-2-butene
Concen: 47.984 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 27677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.5 | 86.8 | 130.2 |
| 89 | 46.1 | 36.9 | 55.3 |

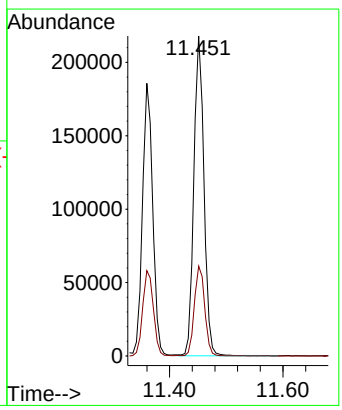


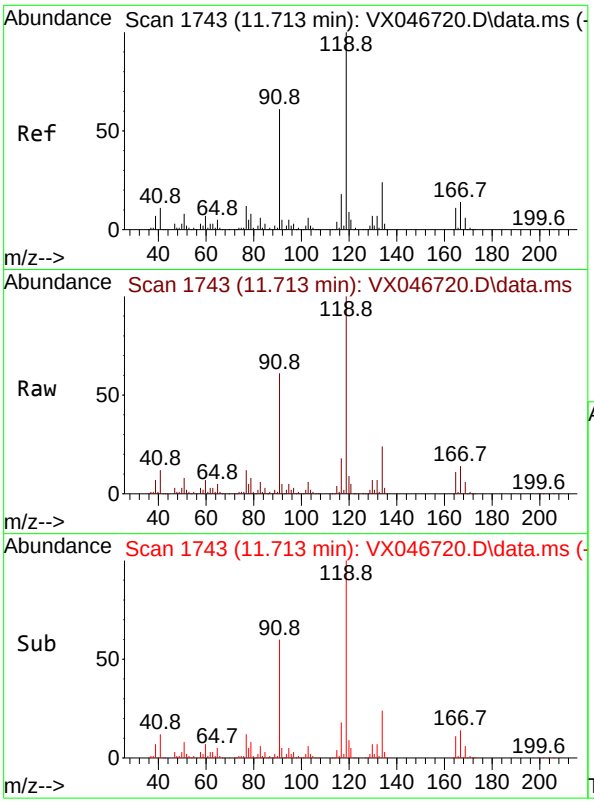




#82
4-Chlorotoluene
Concen: 49.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 91 Resp: 269198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.8 | 14.4 | 43.2 |



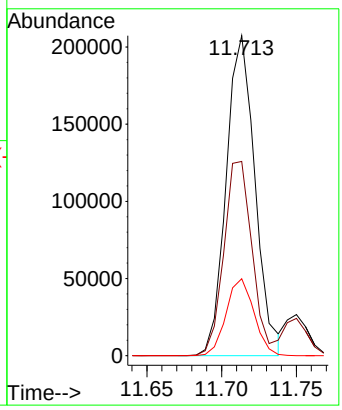


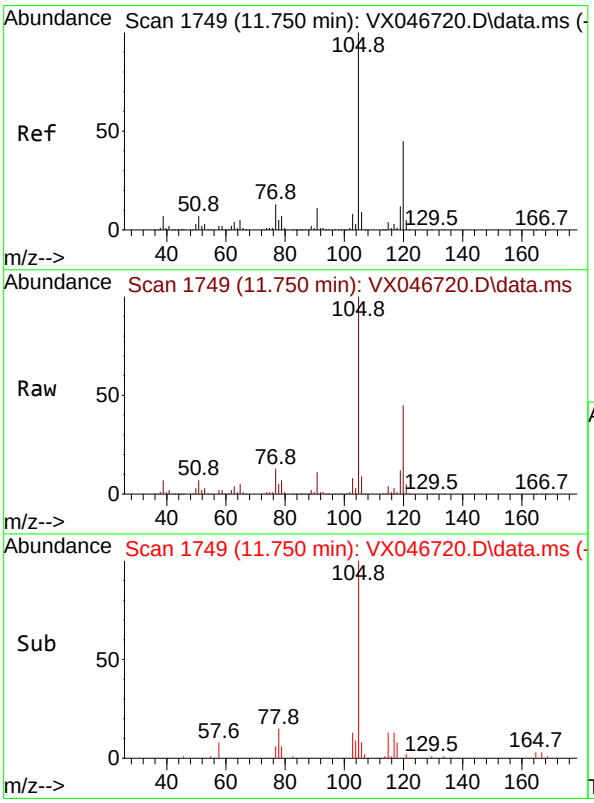

#83
tert-Butylbenzene
Concen: 49.905 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 277915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 29.5 | 88.6 |
| 134 | 23.3 | 11.7 | 35.0 |

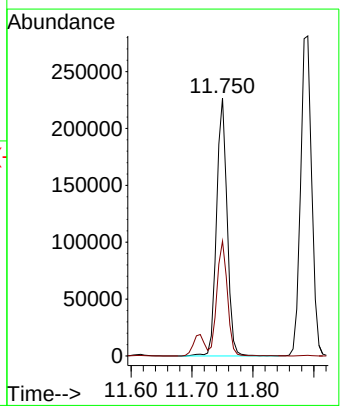


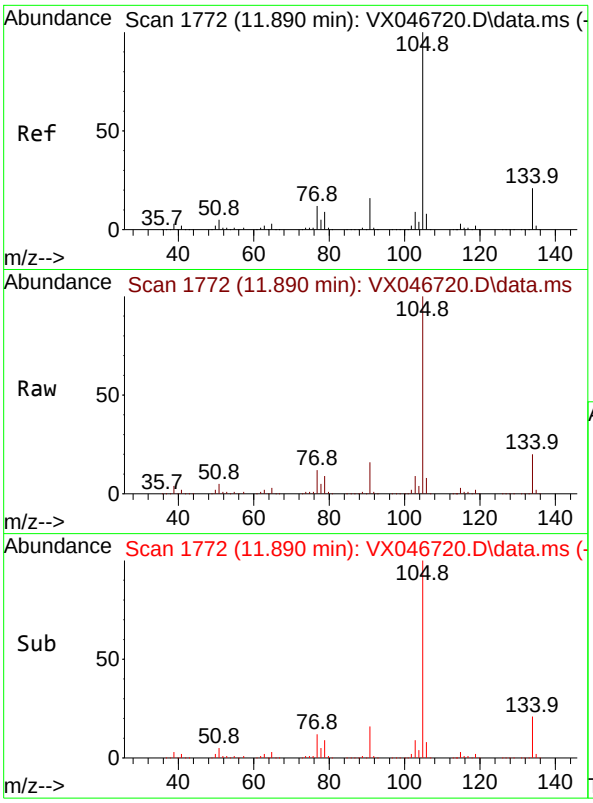




#84
1,2,4-Trimethylbenzene
Concen: 50.345 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:105 Resp: 272510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.3 |



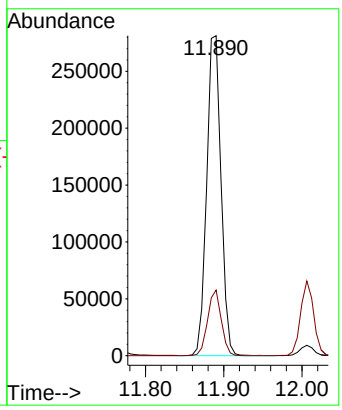


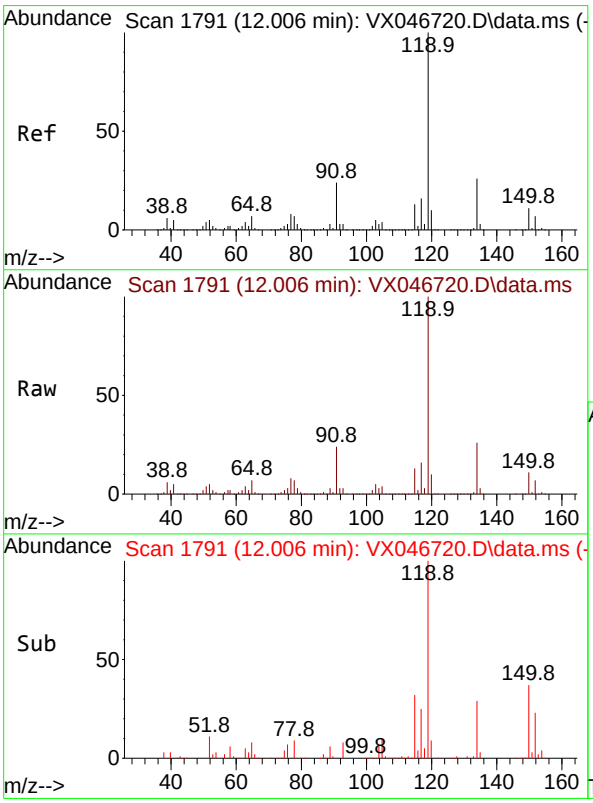

#85
sec-Butylbenzene
Concen: 50.574 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 355947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |

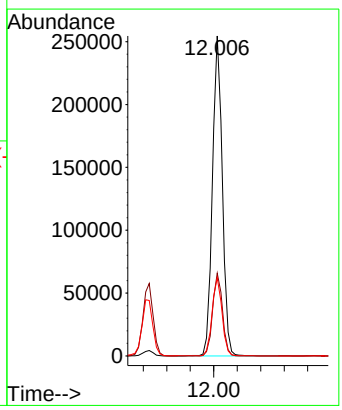


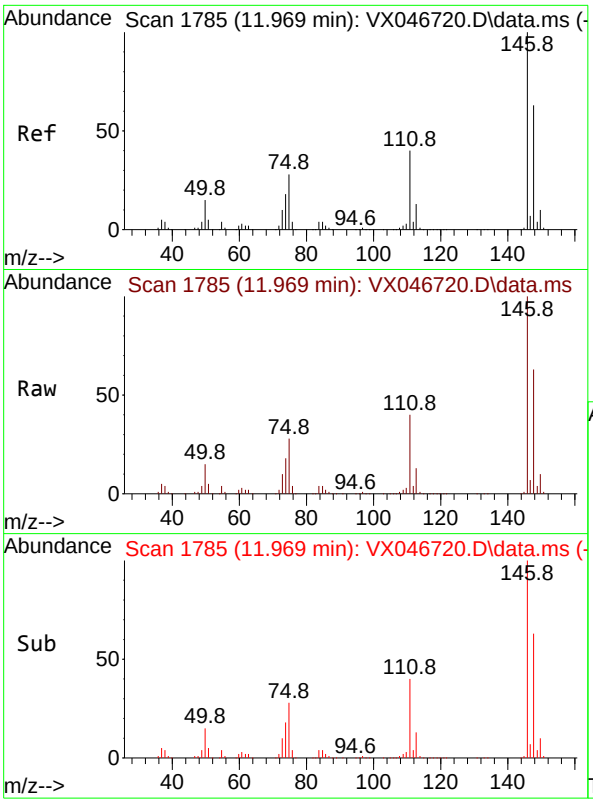




#86
p-Isopropyltoluene
Concen: 50.067 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:119 Resp: 297314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |



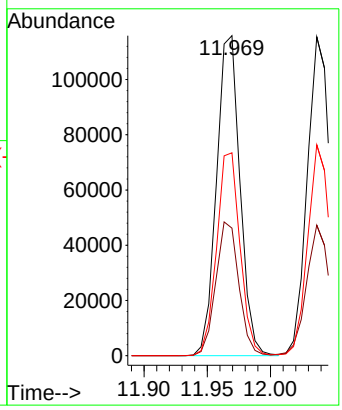


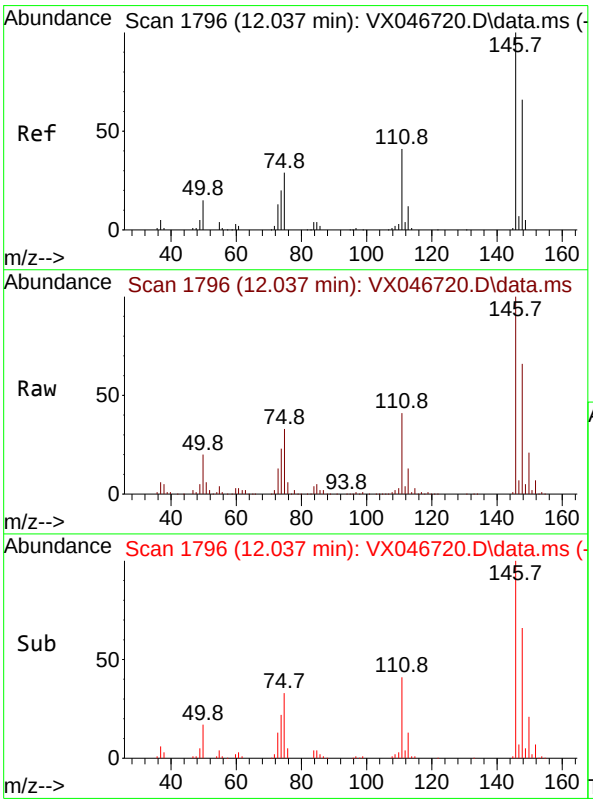

#87
1,3-Dichlorobenzene
Concen: 48.568 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 149402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.6 | 61.8 |
| 148 | 63.2 | 31.6 | 94.8 |

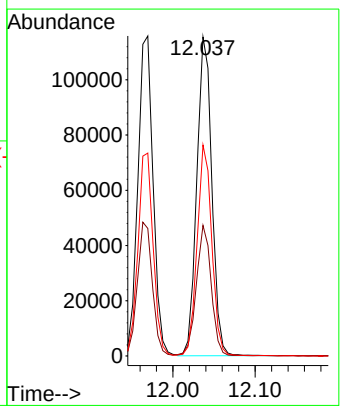


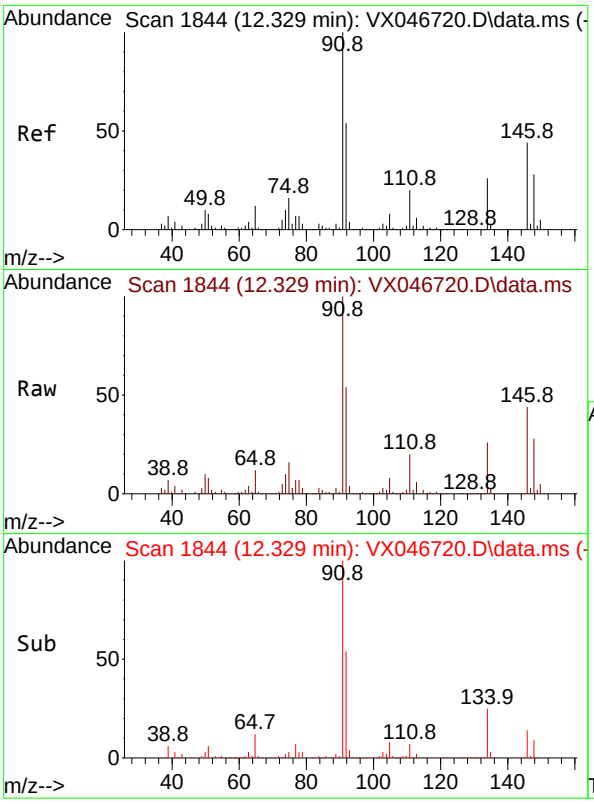




#88
1,4-Dichlorobenzene
Concen: 46.571 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:146 Resp: 147146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.3 | 32.1 | 96.5 |



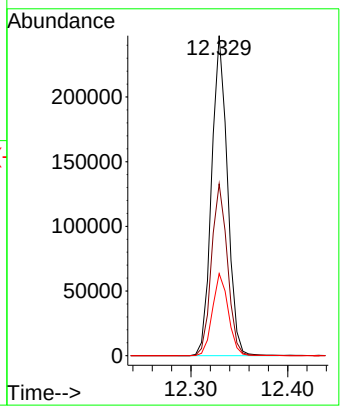


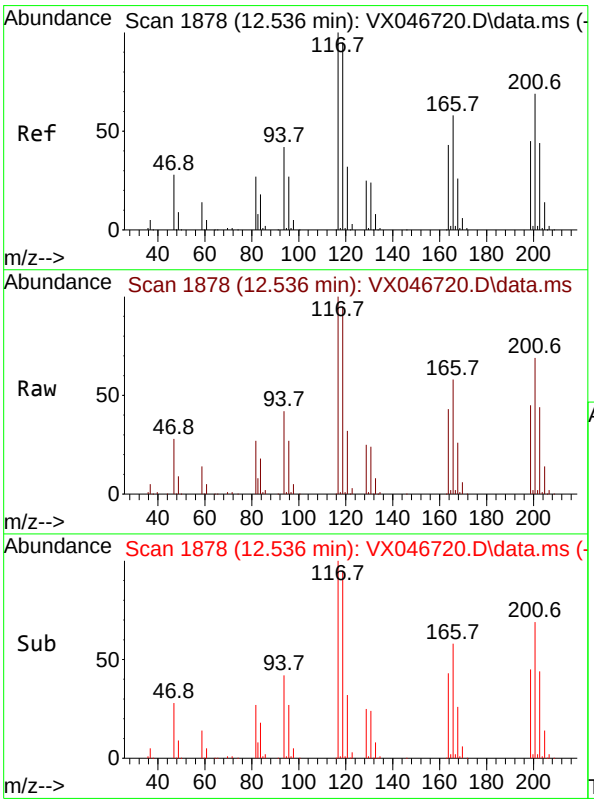

#89
n-Butylbenzene
Concen: 49.801 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 280794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |

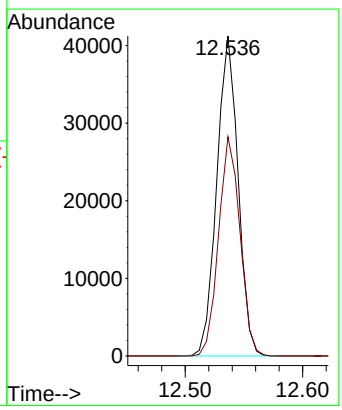


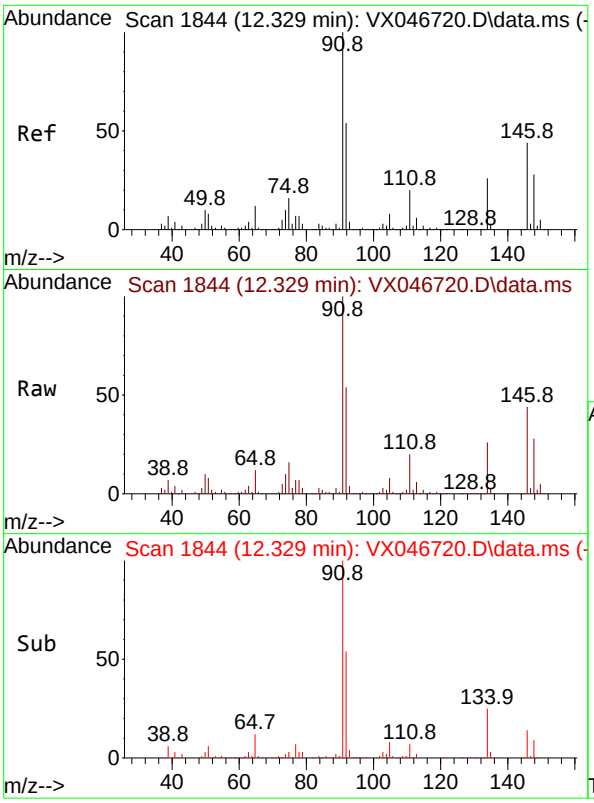




#90
Hexachloroethane
Concen: 49.968 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:117 Resp: 51961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.9 | 34.4 | 103.3 |



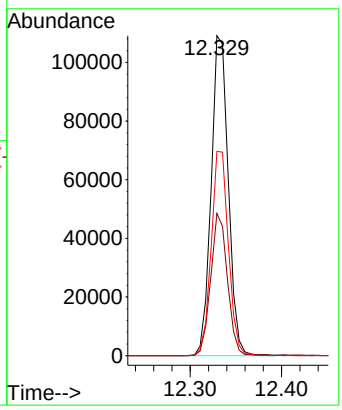


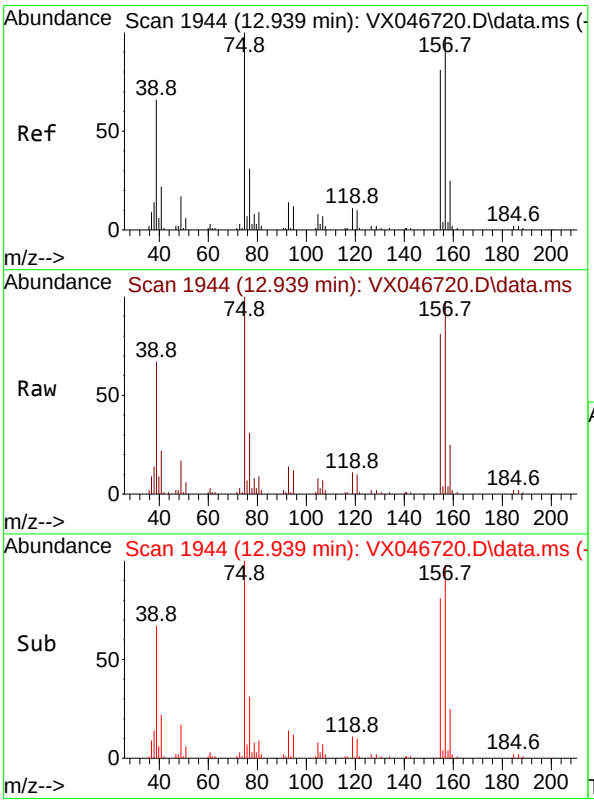

#91
1,2-Dichlorobenzene
Concen: 49.309 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 141743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.7 | 65.1 |
| 148 | 64.1 | 32.0 | 96.2 |

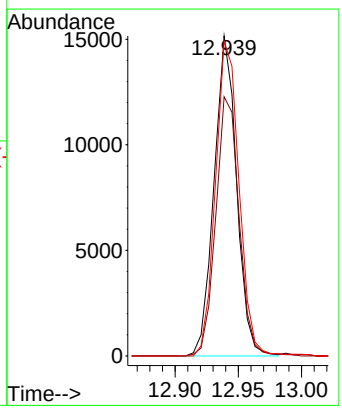


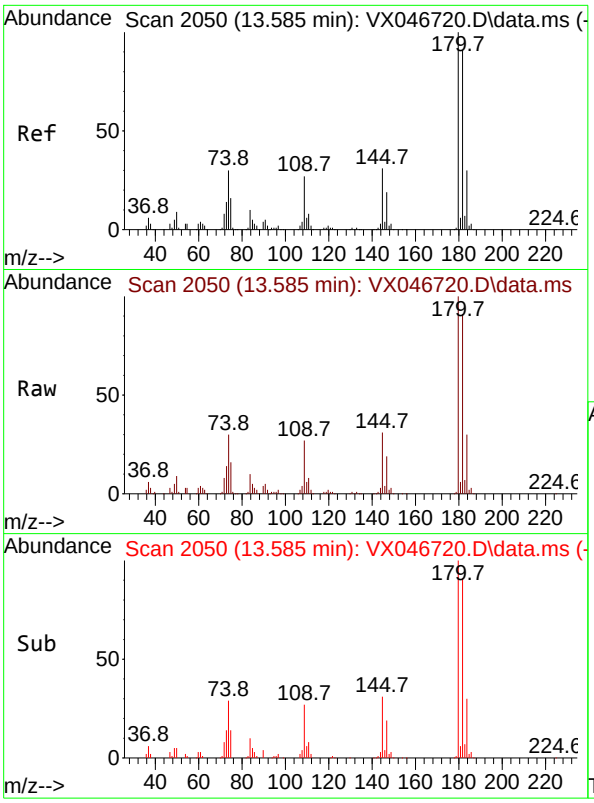




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.873 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion: 75 Resp: 18747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.8 | 41.9 | 125.7 |
| 157 | 102.9 | 51.4 | 154.3 |



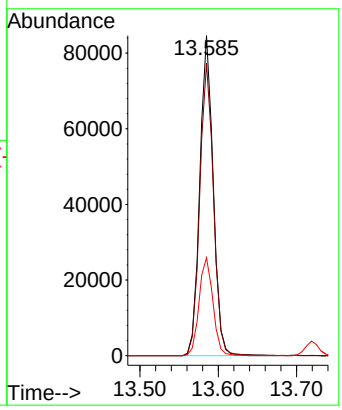


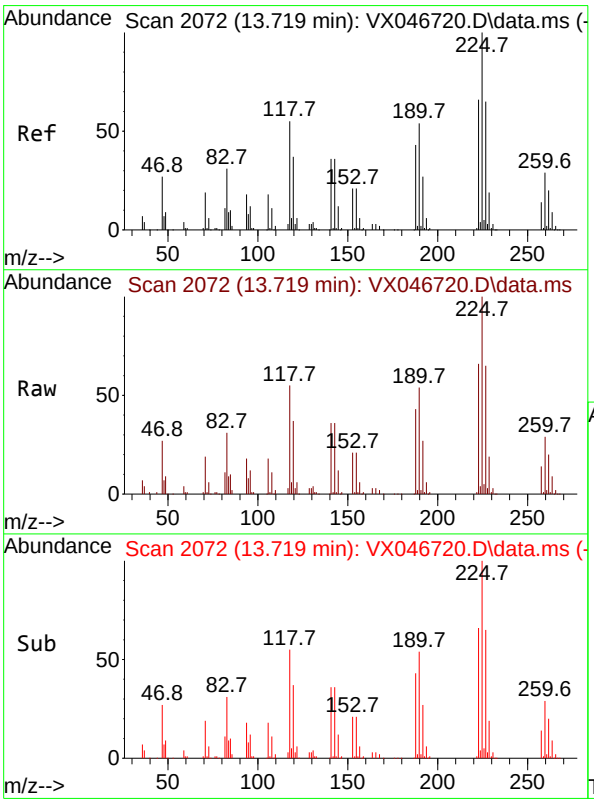

#93
1,2,4-Trichlorobenzene
Concen: 49.101 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 100346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 46.7 | 140.1 |
| 145 | 31.6 | 15.8 | 47.4 |

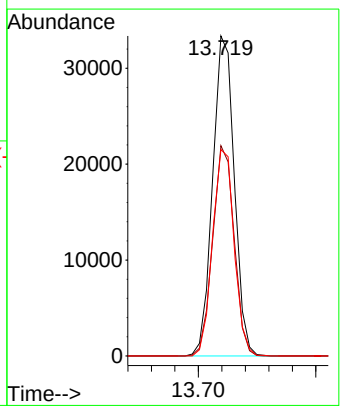


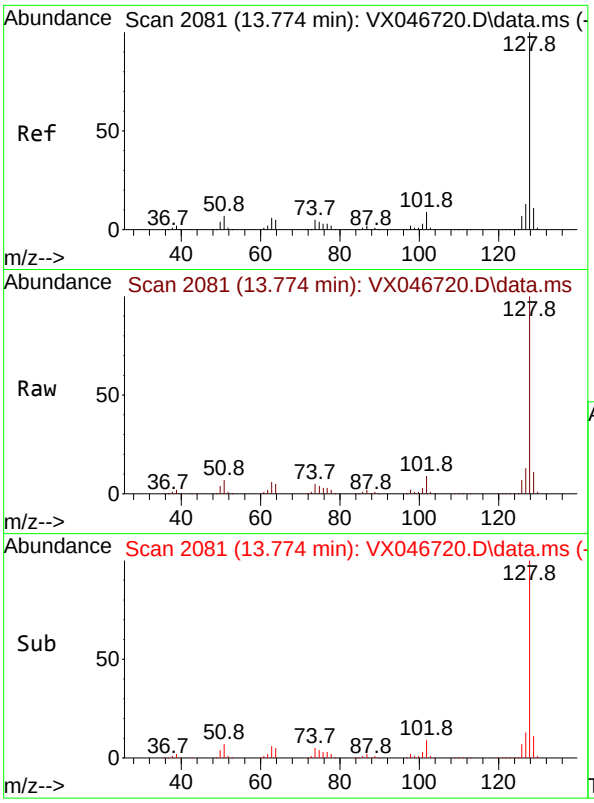




#94
Hexachlorobutadiene
Concen: 49.621 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:225 Resp: 42659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.0 | 32.5 | 97.5 |
| 227 | 64.4 | 32.2 | 96.6 |



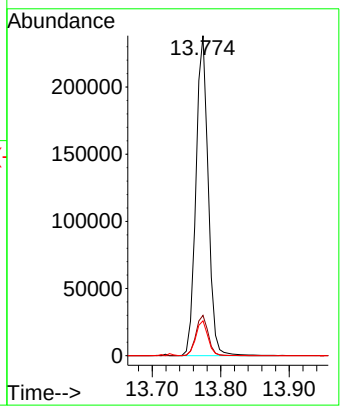


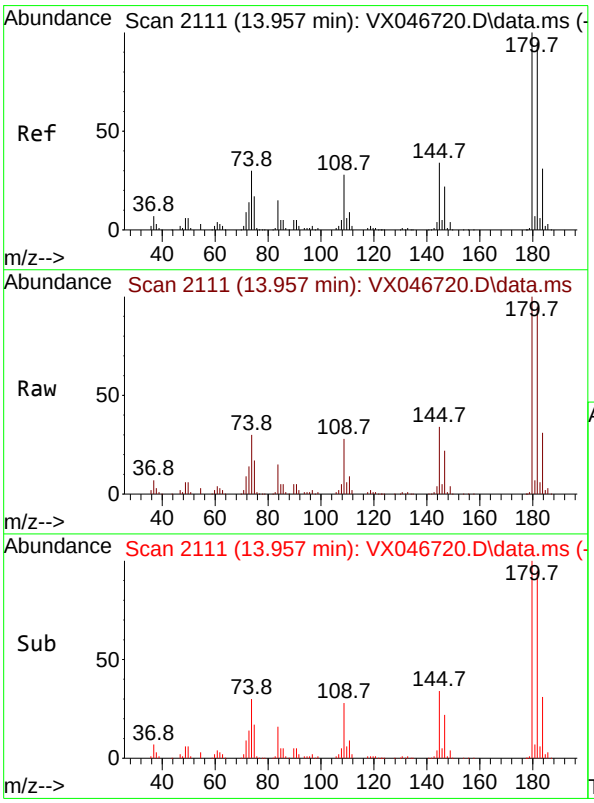

#95
Naphthalene
Concen: 50.994 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 296912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

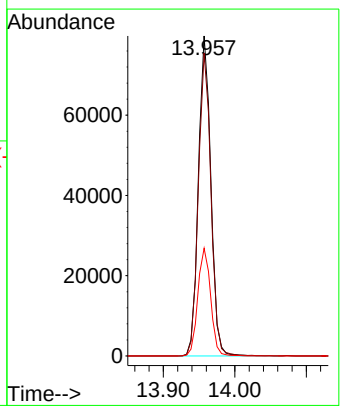



#96
1,2,3-Trichlorobenzene
Concen: 49.263 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046720.D
Acq: 17 Jun 2025 14:20

Tgt Ion:180 Resp: 96318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.8 | 143.4 |
| 145 | 34.6 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 110482 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 183300 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 160869 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 78522 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 160514 | 105.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 210.080%# | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 129932 | 107.136 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 214.280%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 458174 | 105.153 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 210.300%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 170795 | 105.156 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 210.320%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 138589 | 117.494 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 141568 | 111.195 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 151879 | 111.868 | ug/l | 97 |
| 5) Bromomethane | 1.611 | 94 | 75361 | 98.660 | ug/l | 94 |
| 6) Chloroethane | 1.697 | 64 | 89532 | 108.805 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 227688 | 110.449 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 77791 | 109.956 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 137759 | 108.929 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 174182 | 104.824 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 78366 | 571.345 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 134660 | 110.347 | ug/l | 98 |
| 13) Acrolein | 2.246 | 56 | 108796 | 544.566 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 243477 | 110.119 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 344981 | 559.348 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 263024 | 516.133 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 383348 | 104.026 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 143551 | 110.909 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 419445 | 110.387 | ug/l | 98 |
| 20) Methylene Chloride | 2.800 | 84 | 147144 | 103.828 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 140792 | 107.824 | ug/l | 97 |
| 22) Diisopropyl ether | 3.770 | 45 | 466831 | 109.846 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 1930136 | 571.126 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 258546 | 107.149 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 409960 | 568.810 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 194006 | 110.239 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 163672 | 106.691 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 114720 | 104.869 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 265233 | 569.746 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 260888 | 108.113 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 237424 | 103.757 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 231101 | 109.198 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 183355 | 104.733 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 171444 | 106.094 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 200914 | 105.749 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 246277 | 106.902 | ug/l | 99 |
| 40) Benzene | 6.044 | 78 | 553336 | 106.798 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 97782 | 113.502 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 193498 | 106.278 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 291467 | 115.264 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 142659 | 108.043 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 137291 | 106.920 | ug/l | | 96 |
| 46) Dibromomethane | 7.586 | 93 | 98964 | 107.240 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 205870 | 109.319 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 150002 | 118.279 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 38203 | 2040.447 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 843944 | 559.584 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 339735 | 105.772 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 203470 | 116.448 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 221241 | 111.537 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 127195 | 106.264 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 205153 | 116.106 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 220021 | 106.740 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 541734 | 590.219 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 587221 | 563.200 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 153731 | 108.983 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 133253 | 109.444 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 115774 | 103.876 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 374913 | 105.577 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 131134 | 109.876 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 663369 | 106.914 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 492448 | 213.003 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 237631 | 109.675 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 407566 | 107.488 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 101329 | 111.485 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 628803 | 108.731 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 260620 | 118.945 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 176523 | 109.317 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 194835 | 122.161 | ug/l | | 92 |
| 77) Bromobenzene | 11.195 | 156 | 150110 | 107.864 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 743979 | 108.310 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 434989 | 106.065 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 517286 | 108.848 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 57608 | 113.225 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 506852 | 105.896 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 533235 | 108.548 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 518524 | 108.598 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 670896 | 108.062 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 561258 | 107.145 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 280540 | 103.388 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 280884 | 100.779 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 536268 | 107.822 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 101647 | 110.811 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 267432 | 105.466 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 36858 | 115.616 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 196715 | 109.119 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 80407 | 106.029 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 587914 | 114.468 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 189473 | 109.861 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

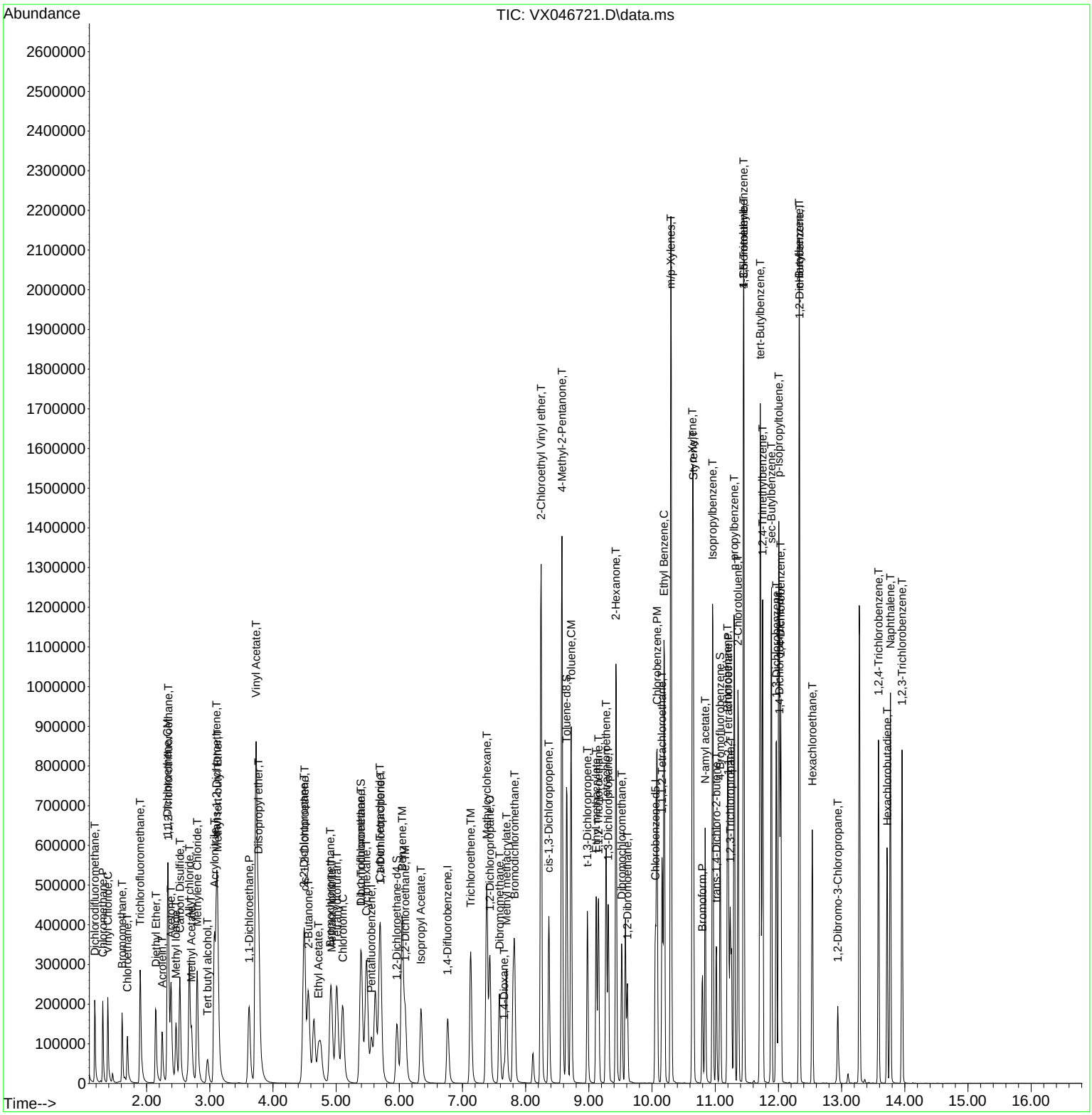
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

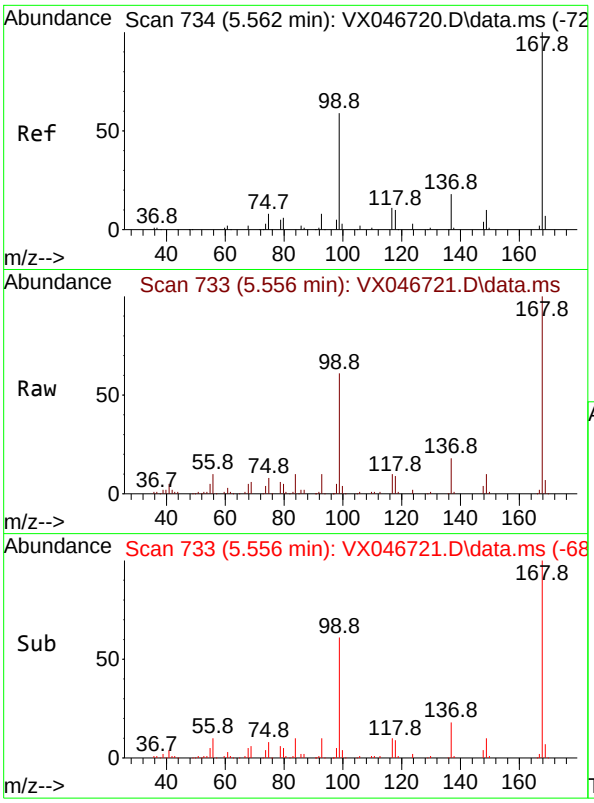
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



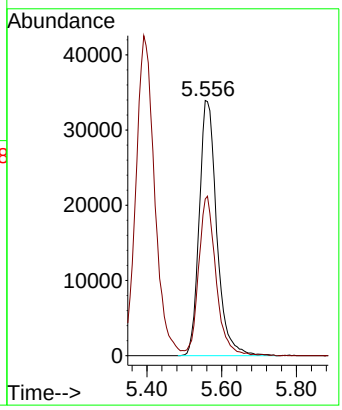


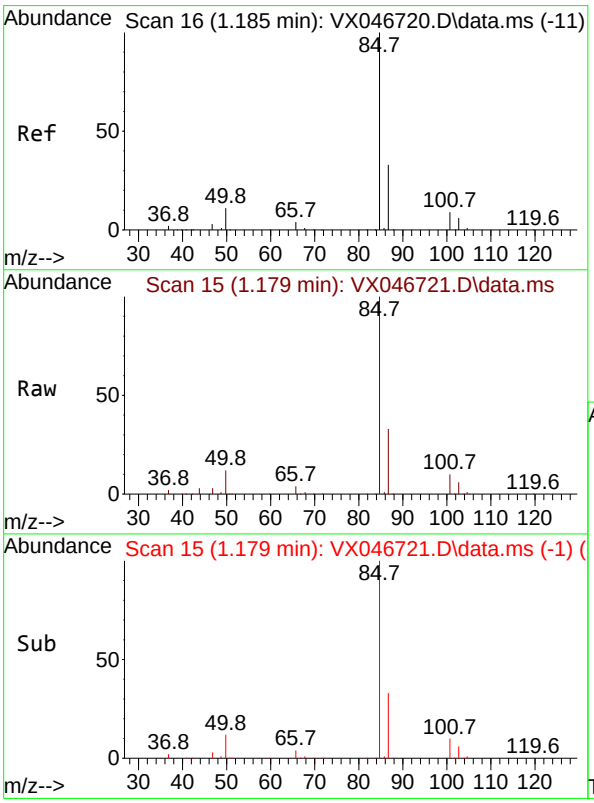

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 110482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.4 | 48.5 | 72.7 |

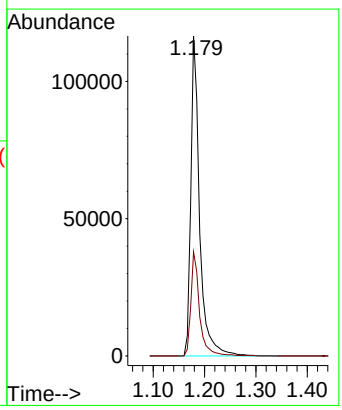


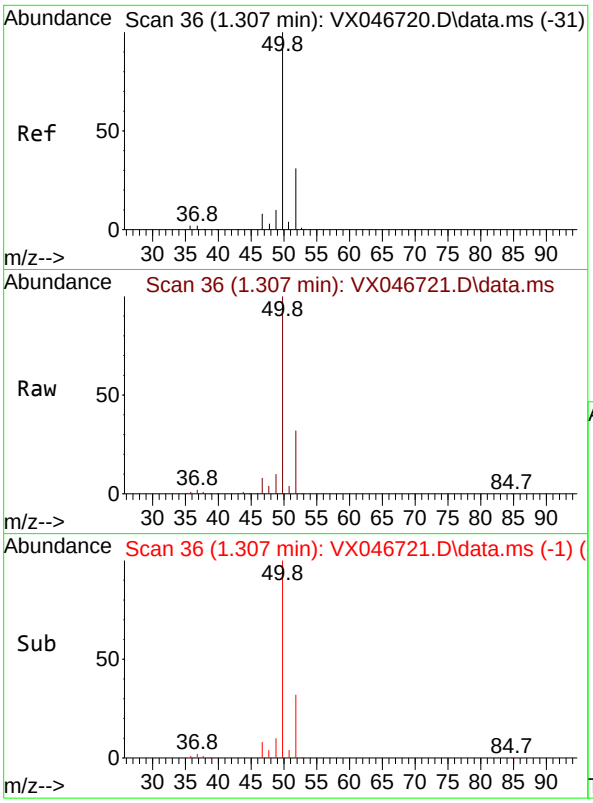




#2
Dichlorodifluoromethane
Concen: 117.494 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 85 Resp: 138589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |



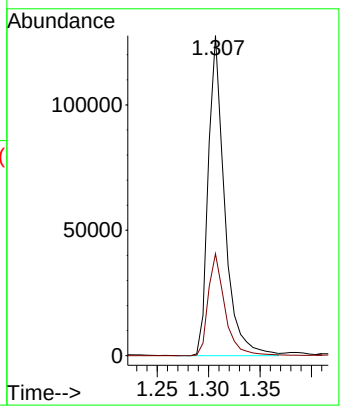


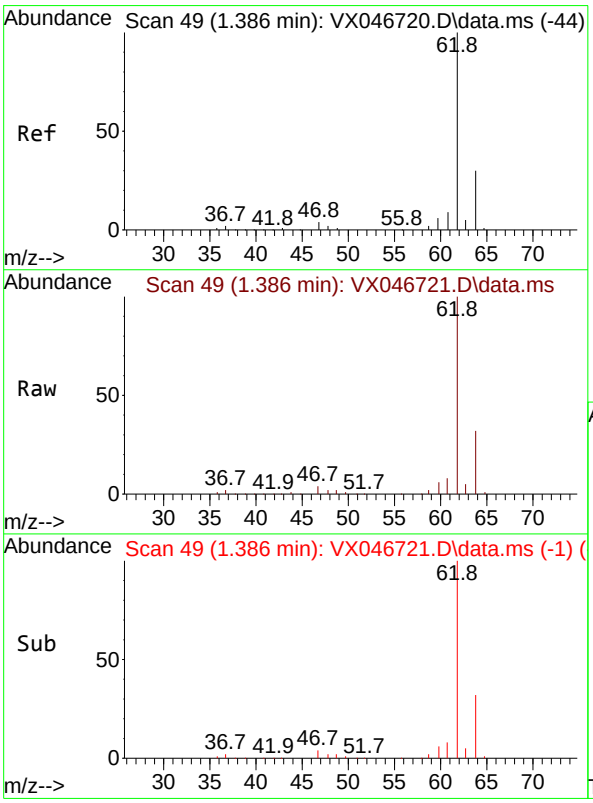

#3
Chloromethane
Concen: 111.195 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 141568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |

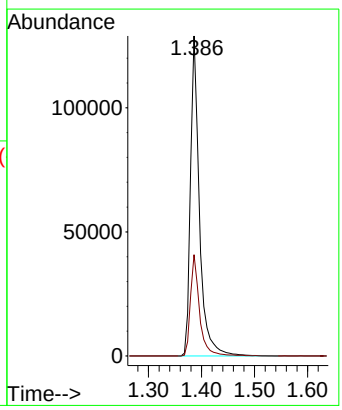


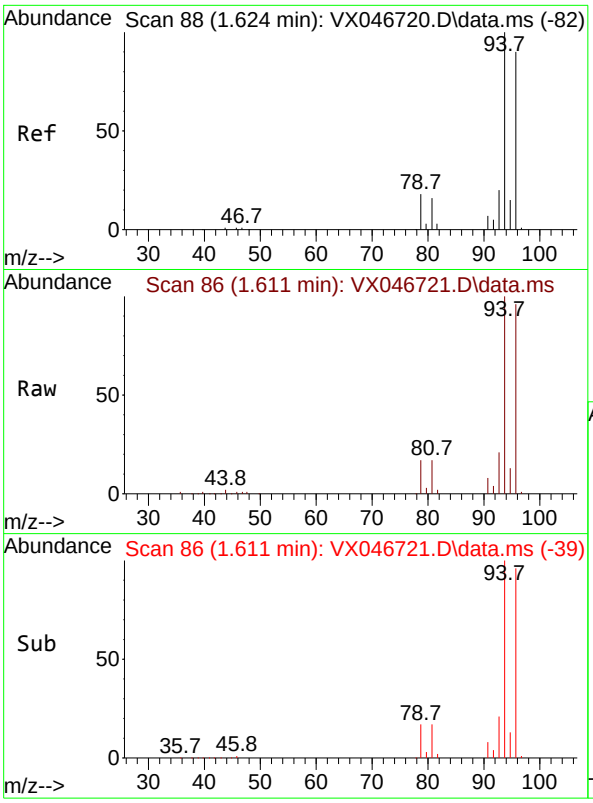




#4
Vinyl Chloride
Concen: 111.868 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 62 Resp: 151879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 23.9 | 35.9 |



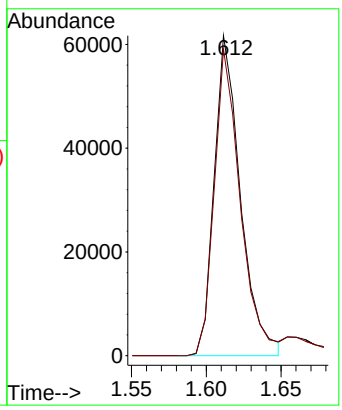


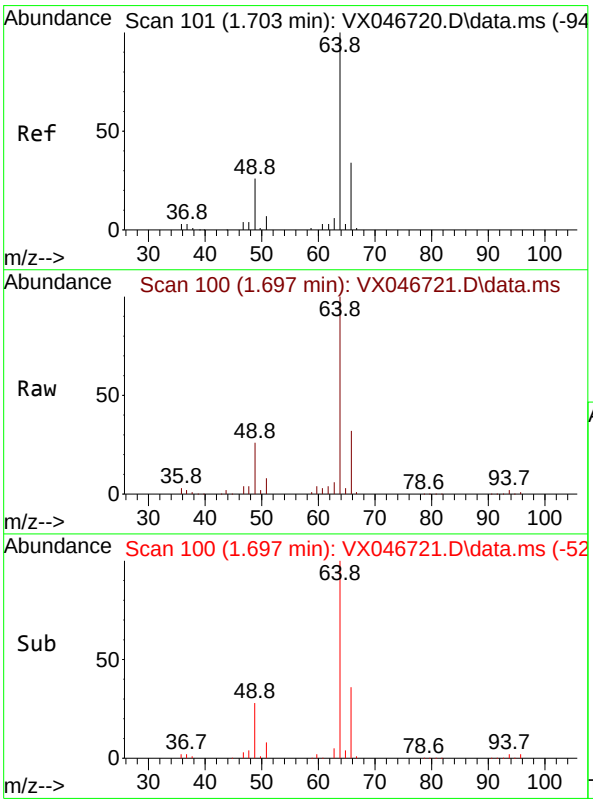

#5
Bromomethane
Concen: 98.660 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 75361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 72.3 | 108.5 |

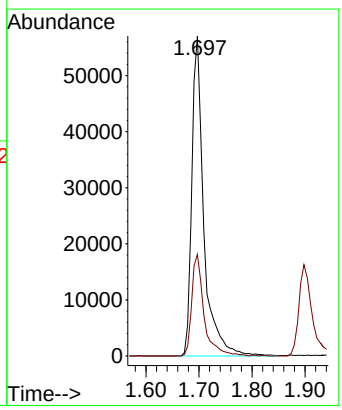


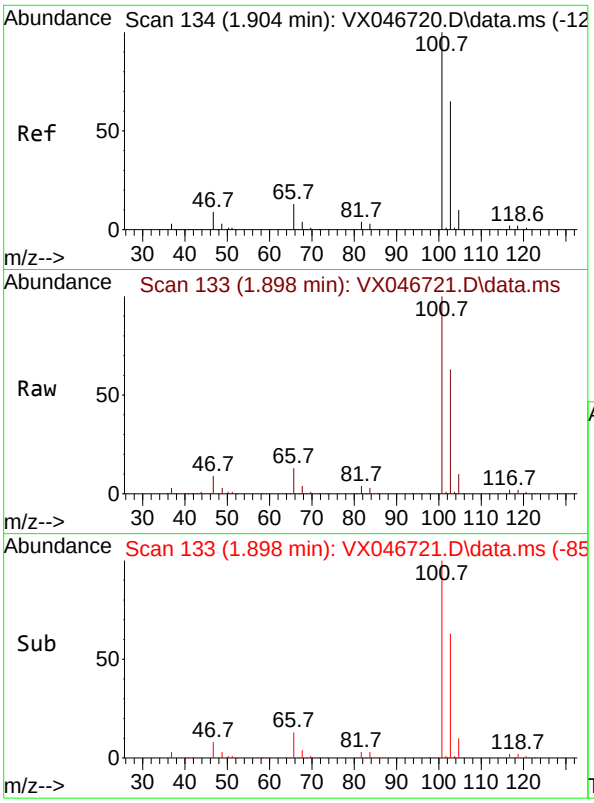




#6
Chloroethane
Concen: 108.805 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 64 Resp: 89532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 27.1 | 40.7 |



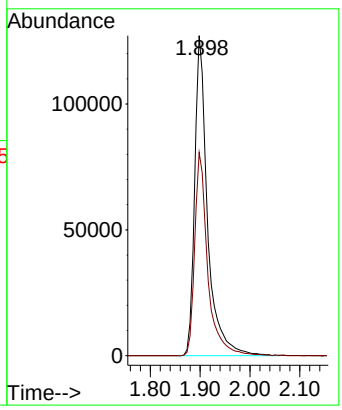


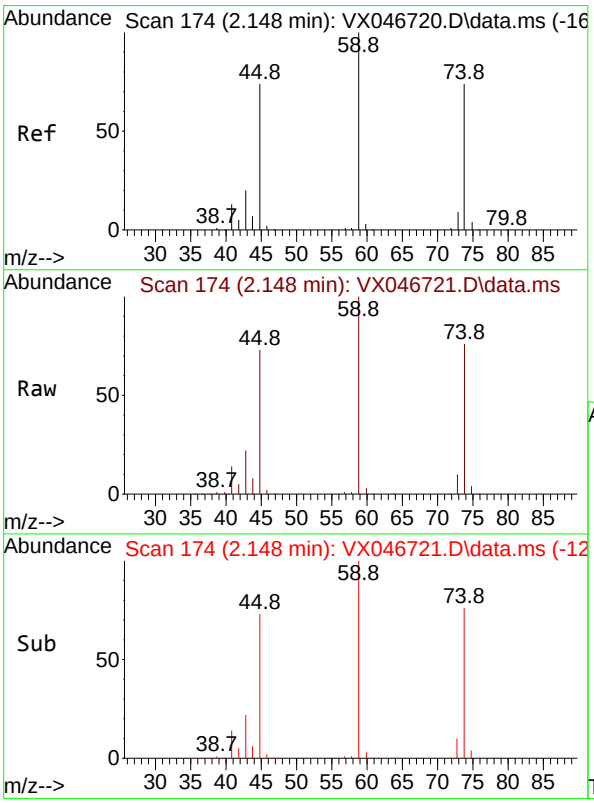

#7
Trichlorofluoromethane
Concen: 110.449 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 227688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 51.8 | 77.8 |

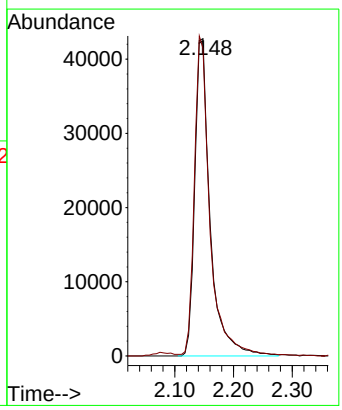


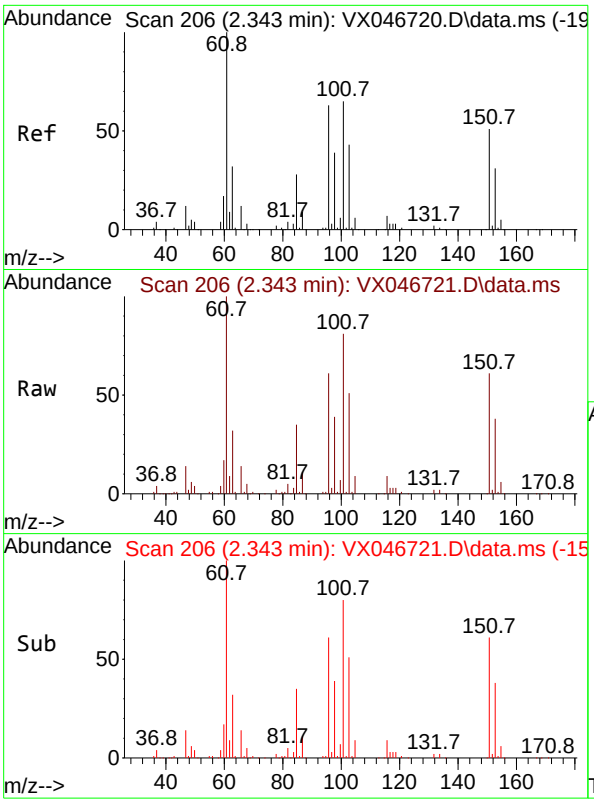




#8
Diethyl Ether
Concen: 109.956 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 74 Resp: 77791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.7 | 52.3 | 157.1 |



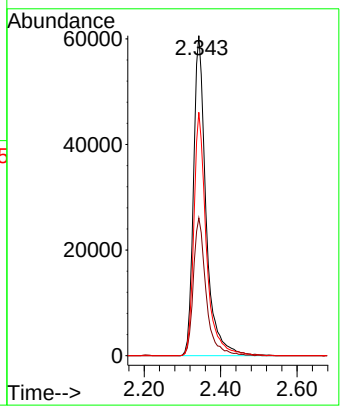


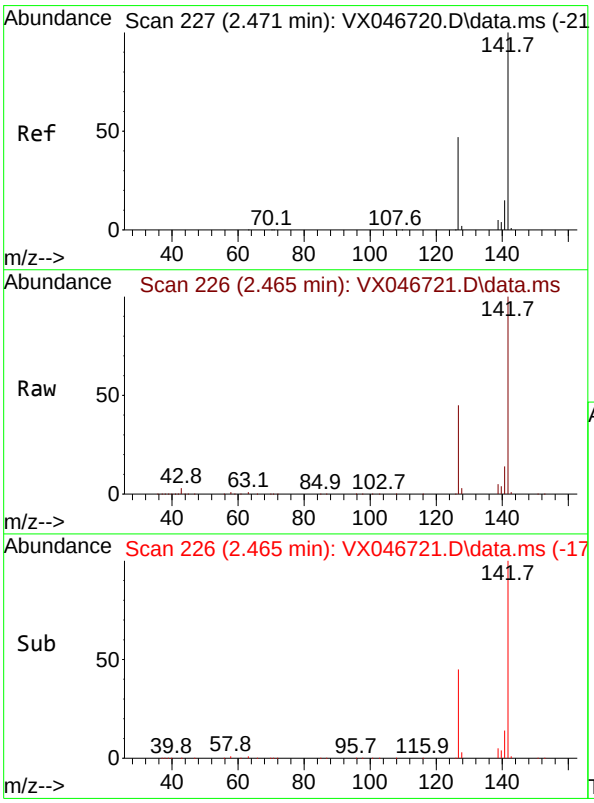

#9
1,1,2-Trichlorotrifluoroethane
Concen: 108.929 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 137759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.4 | 53.0 |
| 151 | 76.0 | 61.2 | 91.8 |

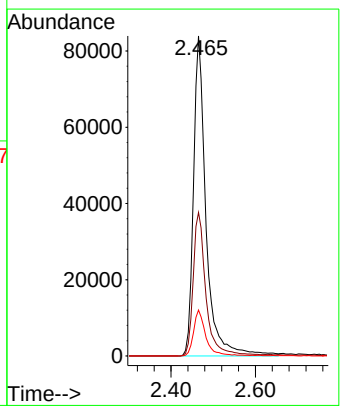


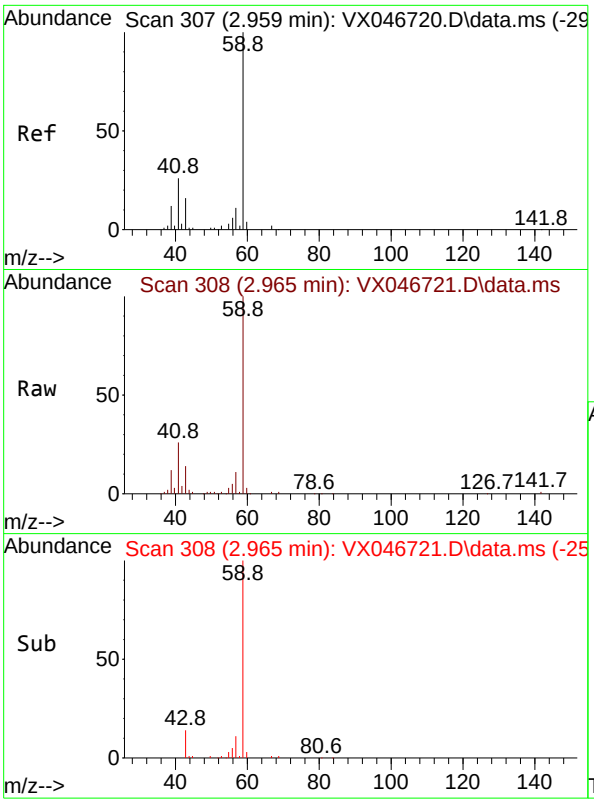




#10
Methyl Iodide
Concen: 104.824 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:142 Resp: 174182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.7 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |



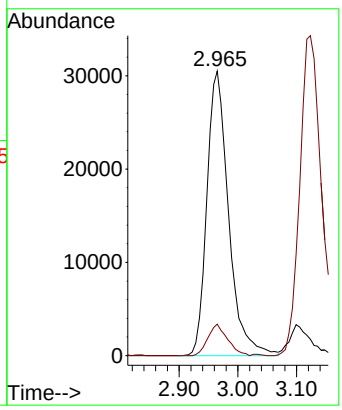


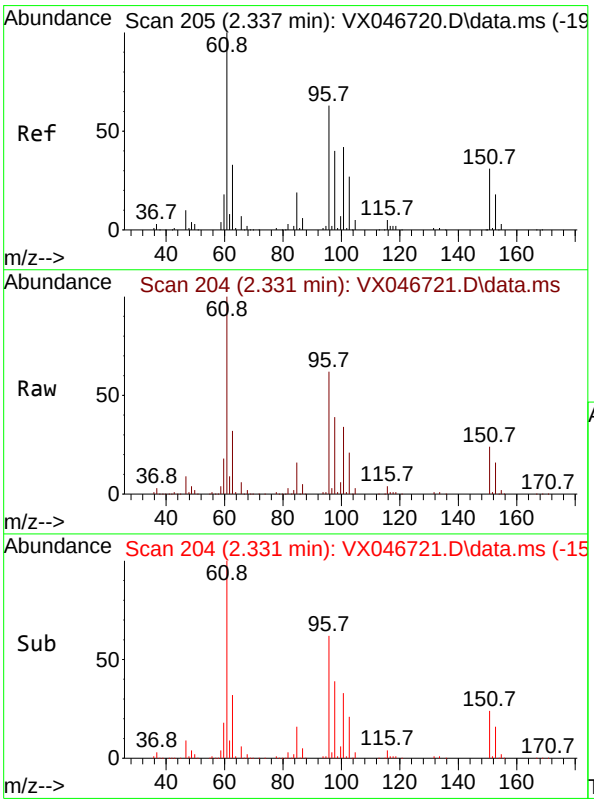

#11
Tert butyl alcohol
Concen: 571.345 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 78366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |

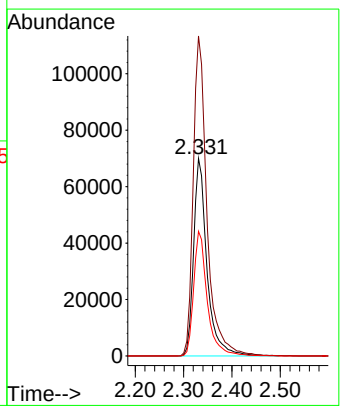


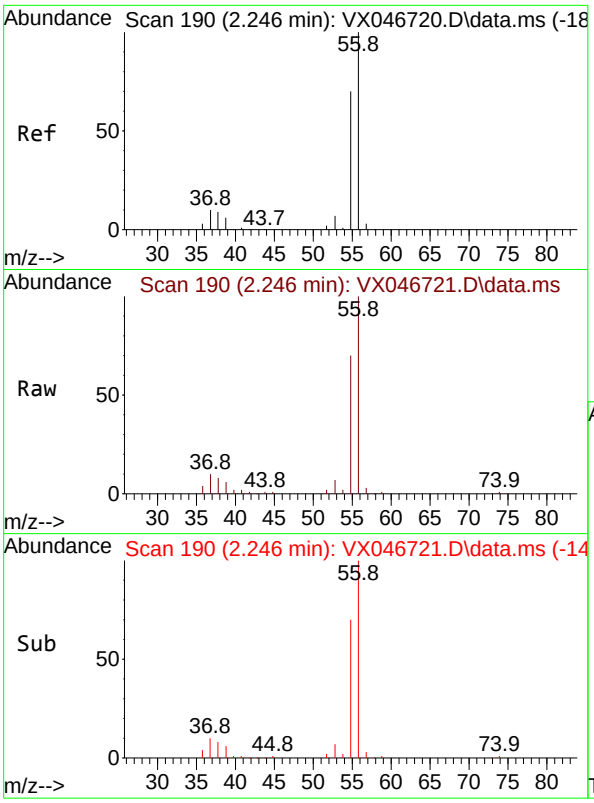




#12
1,1-Dichloroethene
Concen: 110.347 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 96 Resp: 134660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.9 | 126.6 | 189.8 |
| 98 | 63.0 | 50.7 | 76.1 |



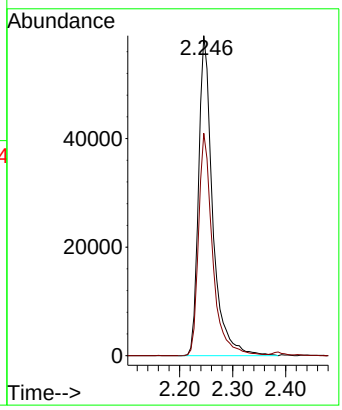


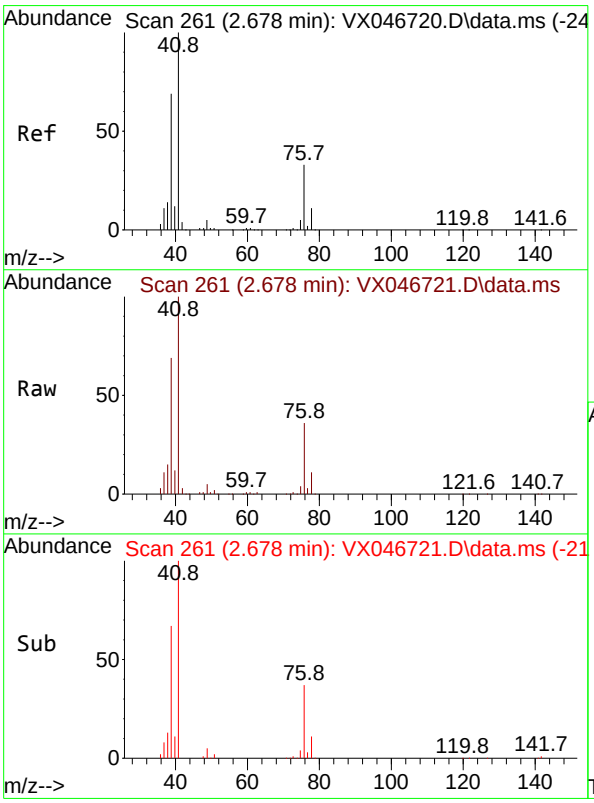

#13
Acrolein
Concen: 544.566 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 108796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.7 | 55.2 | 82.8 |

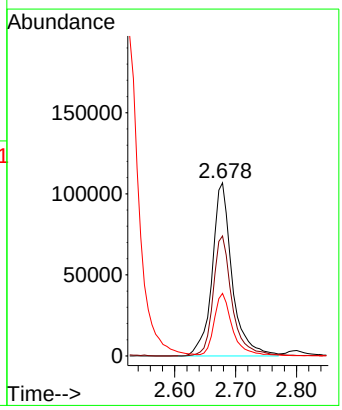


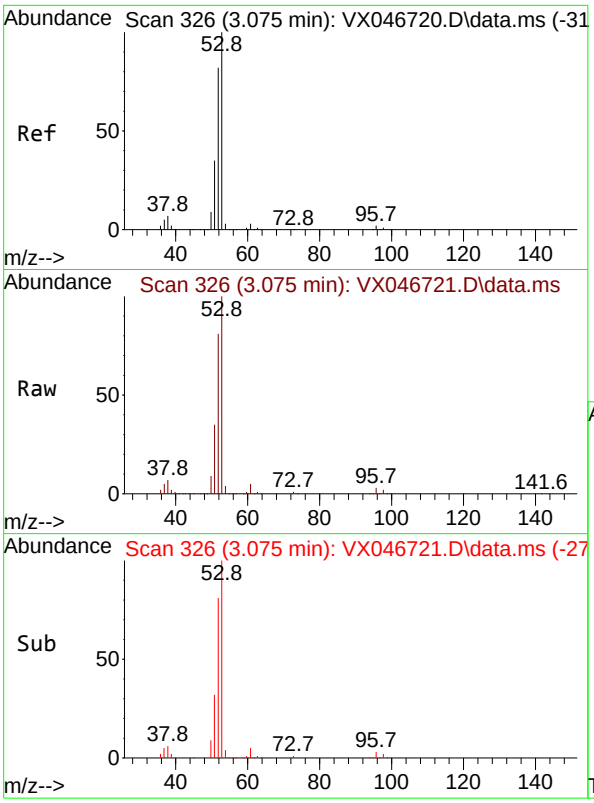




#14
Allyl chloride
Concen: 110.119 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 41 Resp: 243477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.5 | 53.6 | 80.4 |
| 76 | 33.6 | 26.8 | 40.2 |



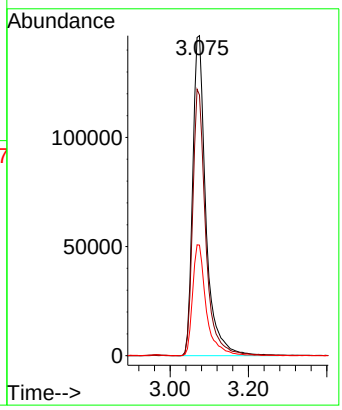


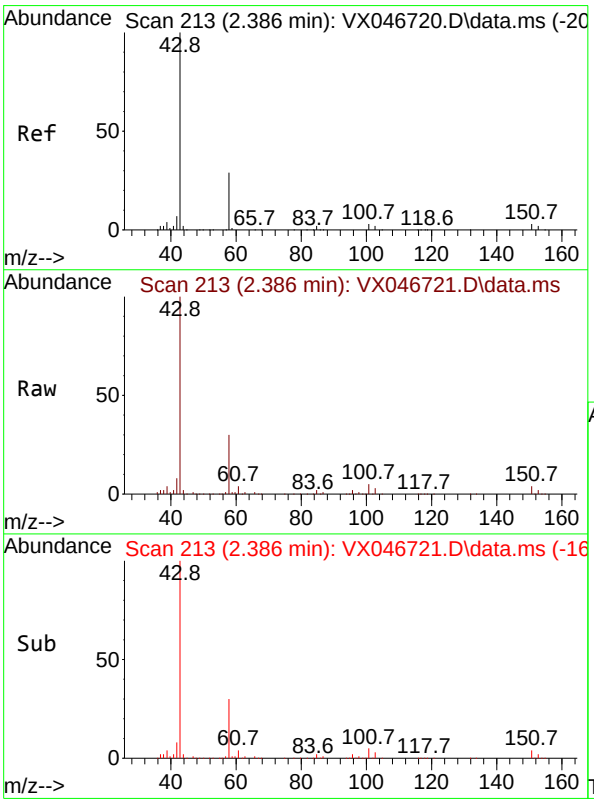

#15
Acrylonitrile
Concen: 559.348 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 344981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.1 | 97.7 |
| 51 | 36.0 | 28.9 | 43.3 |

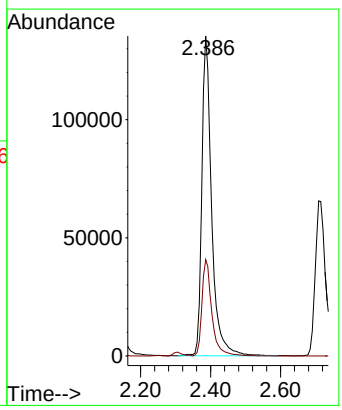


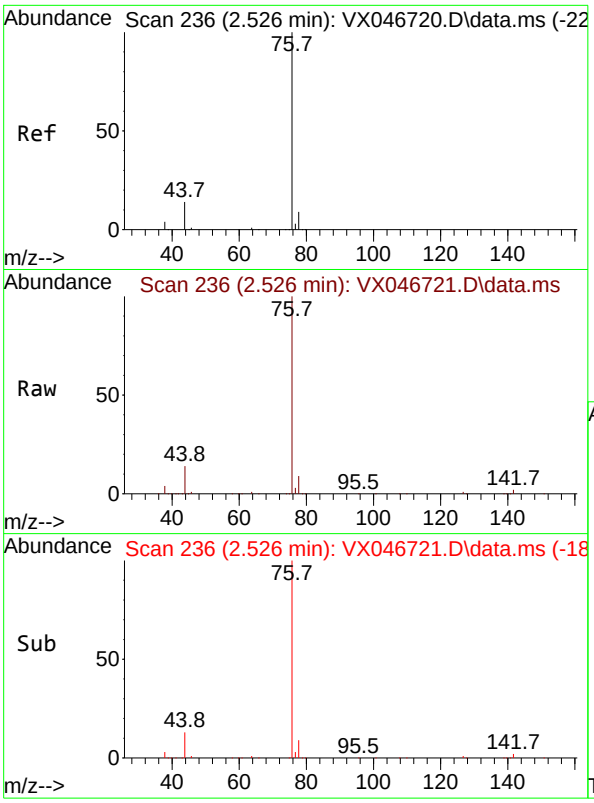




#16
Acetone
Concen: 516.133 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 263024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |



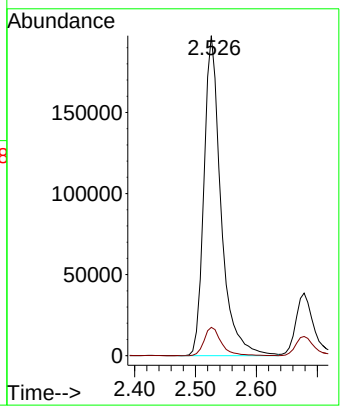


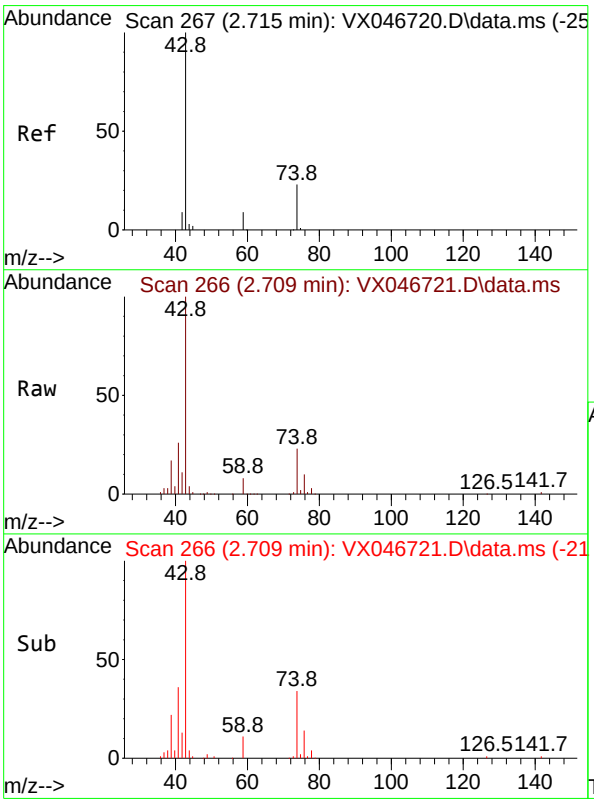

#17
Carbon Disulfide
Concen: 104.026 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 383348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.5 | 11.3 |

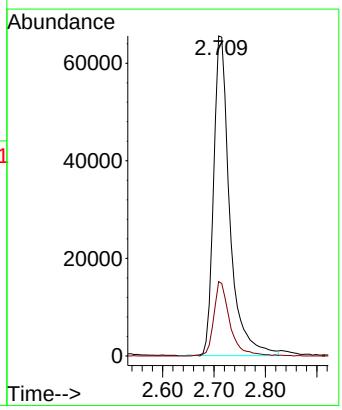


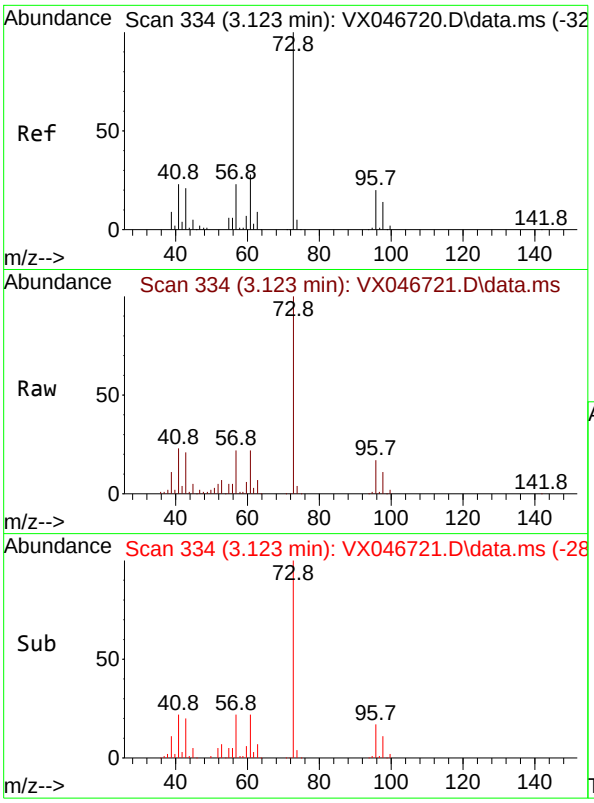




#18
Methyl Acetate
Concen: 110.909 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 143551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 18.4 | 27.6 |



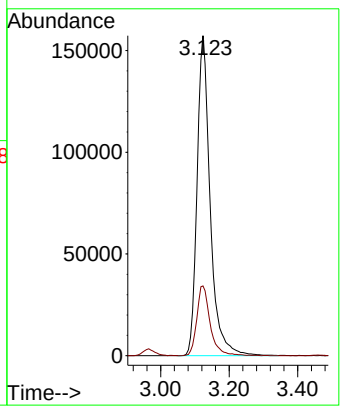


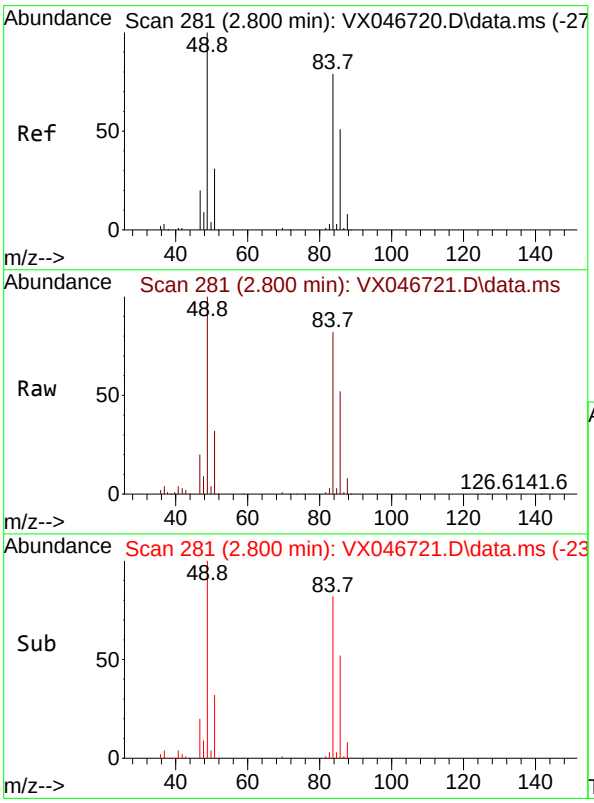

#19
Methyl tert-butyl Ether
Concen: 110.387 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 419445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 18.2 | 27.2 |

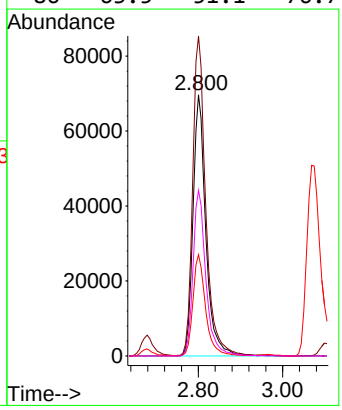


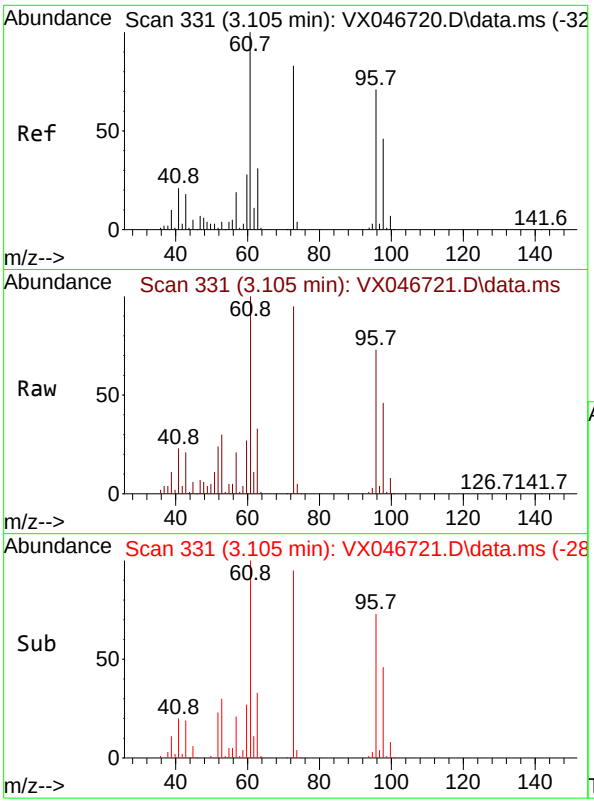




#20
Methylene Chloride
Concen: 103.828 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 84 Resp: 147144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.3 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 63.5 | 51.1 | 76.7 |



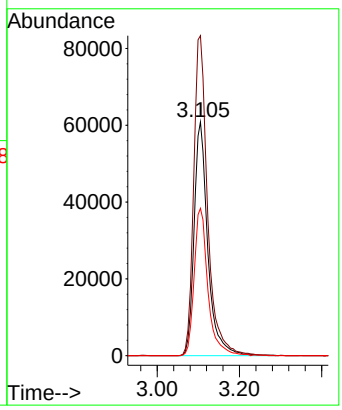


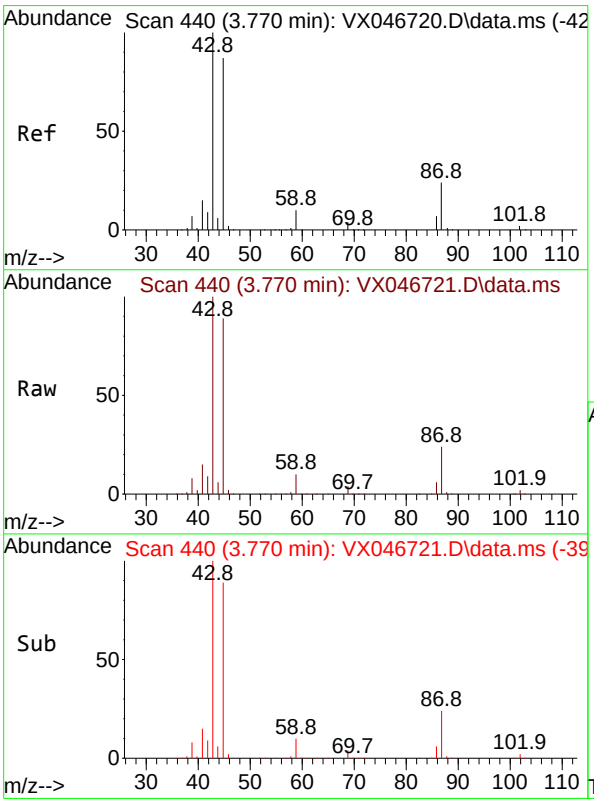

#21
trans-1,2-Dichloroethene
Concen: 107.824 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 140792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.9 | 112.5 | 168.7 |
| 98 | 63.1 | 51.9 | 77.9 |

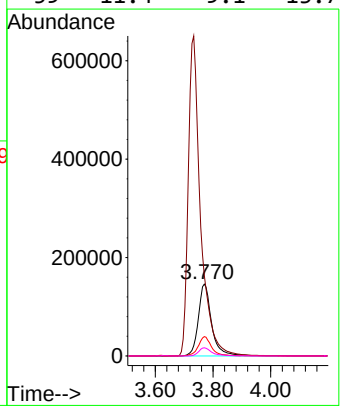


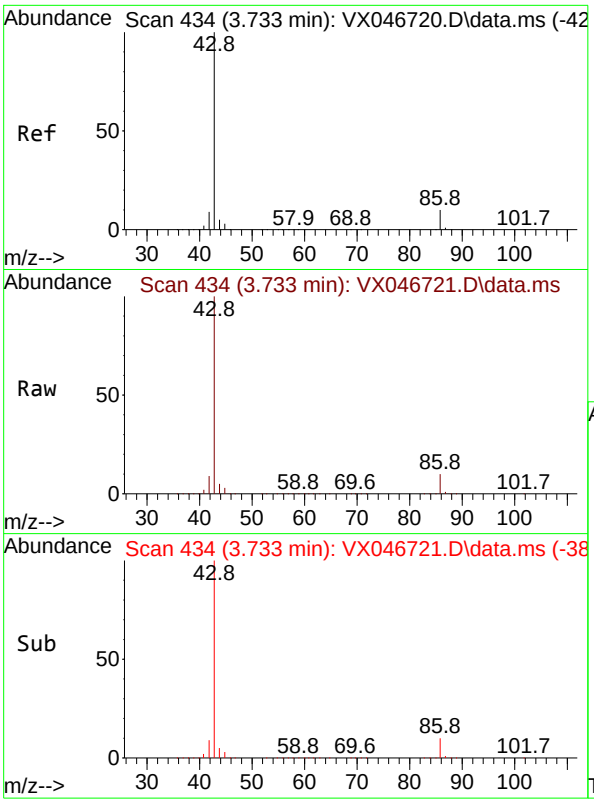




#22
Diisopropyl ether
Concen: 109.846 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 45 Resp: 466831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 112.3 | 91.9 | 137.9 |
| 87 | 26.8 | 22.0 | 33.0 |
| 59 | 11.4 | 9.1 | 13.7 |



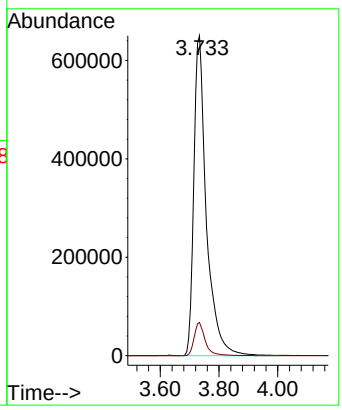


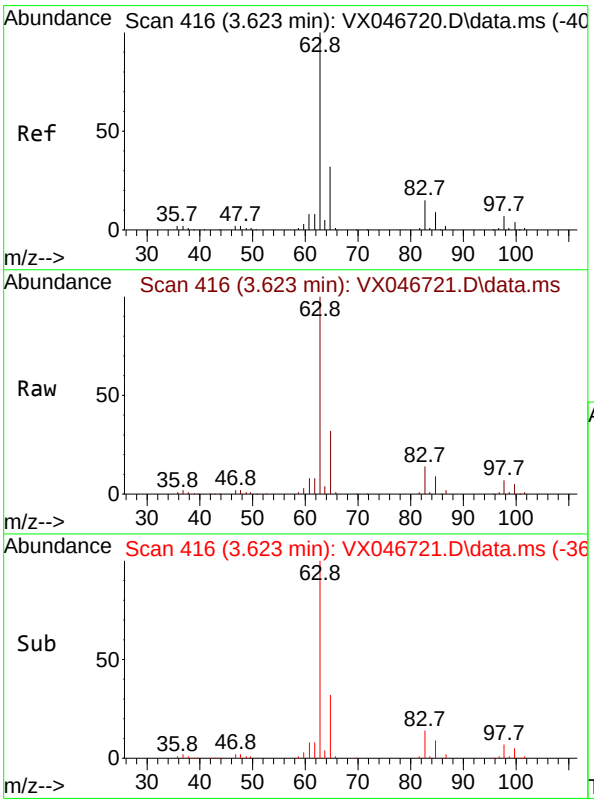

#23
Vinyl Acetate
Concen: 571.126 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1930136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |

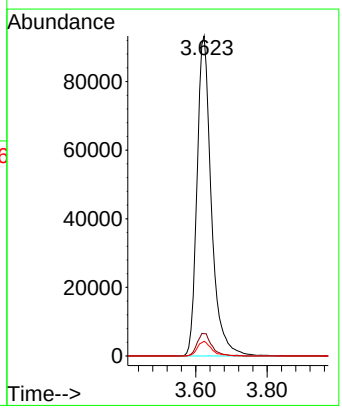


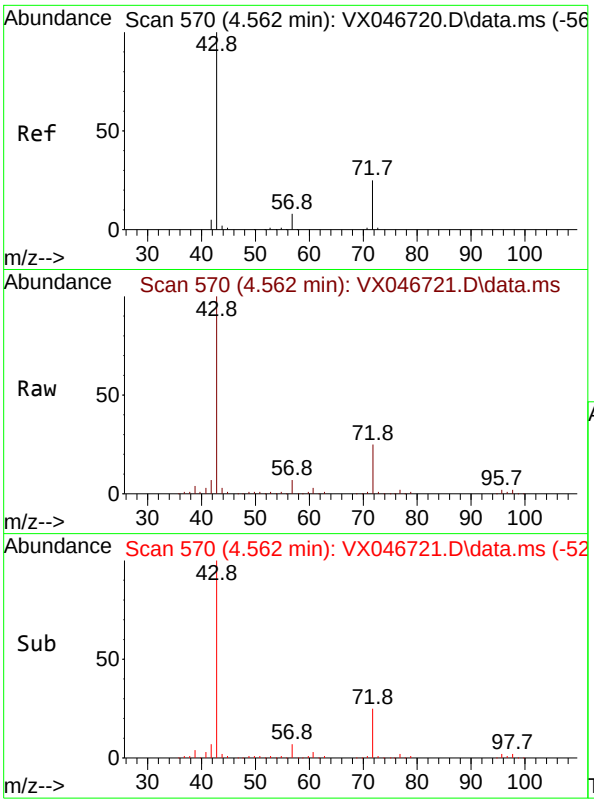




#24
1,1-Dichloroethane
Concen: 107.149 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 63 Resp: 258546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |



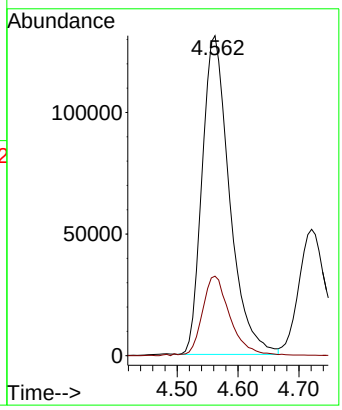


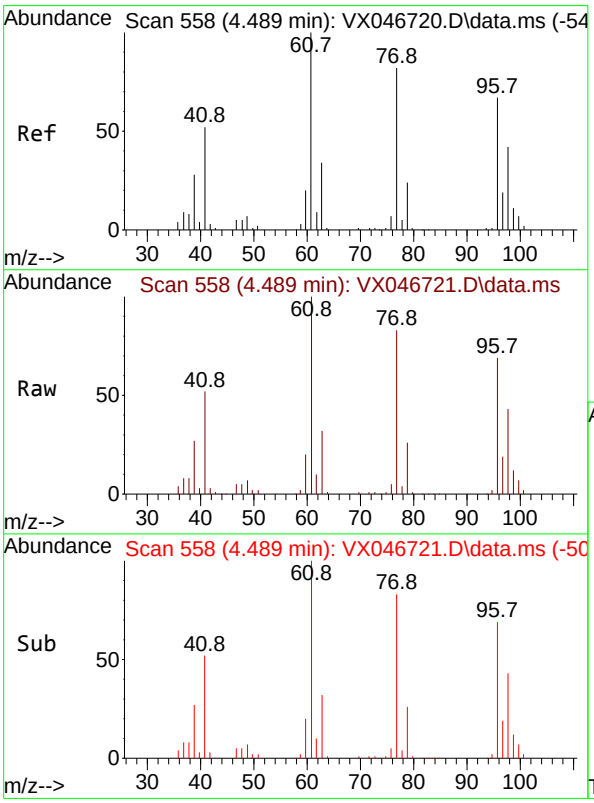

#25
2-Butanone
Concen: 568.810 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 409960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.2 | 30.4 |

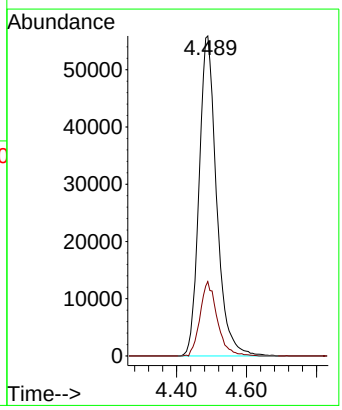


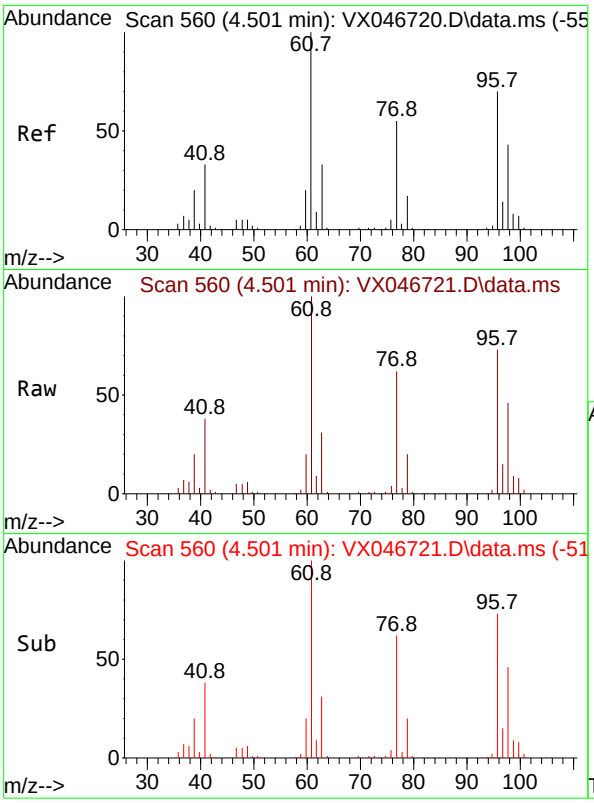




#26
2,2-Dichloropropane
Concen: 110.239 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 77 Resp: 194006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |



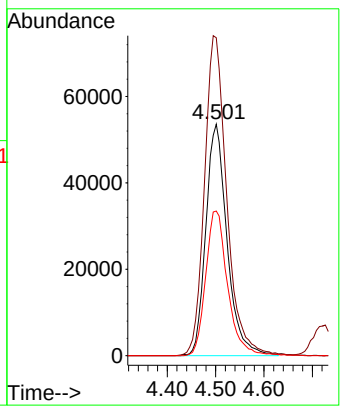


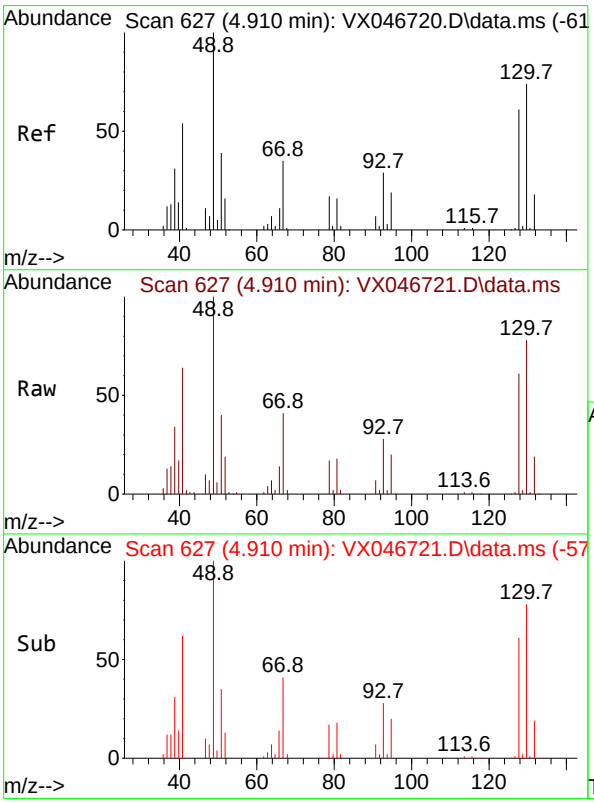

#27
cis-1,2-Dichloroethene
Concen: 106.691 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 163672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 0.0 | 291.0 |
| 98 | 64.6 | 0.0 | 126.8 |

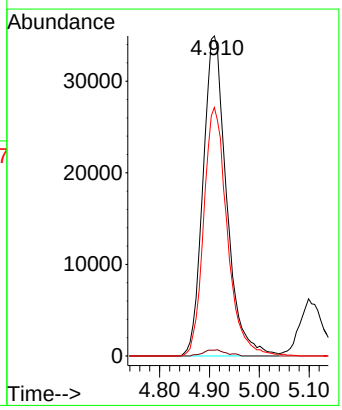


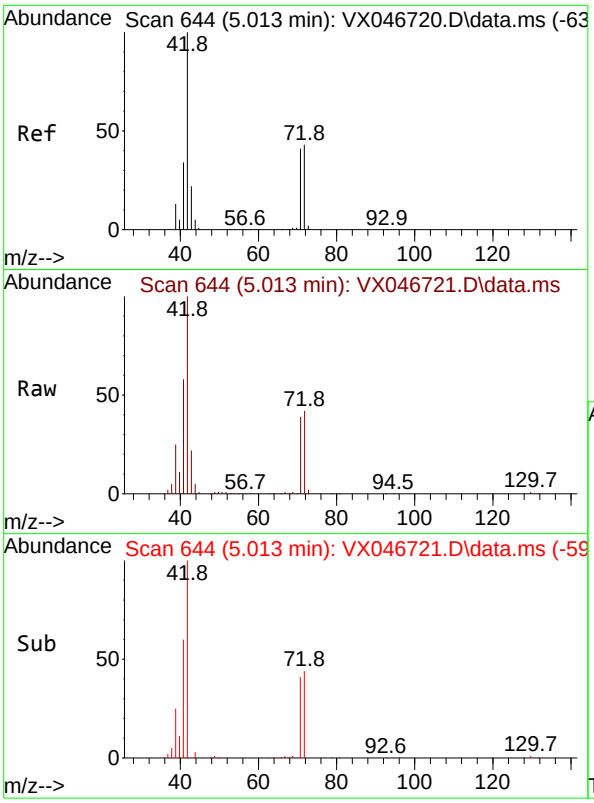




#28
Bromochloromethane
Concen: 104.869 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 49 Resp: 114720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 77.6 | 61.4 | 92.0 |



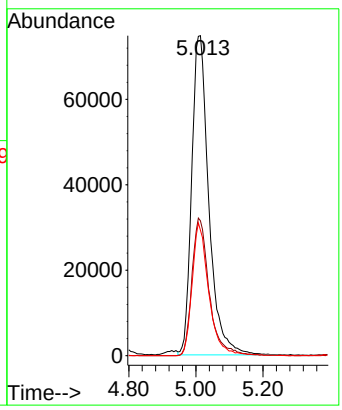


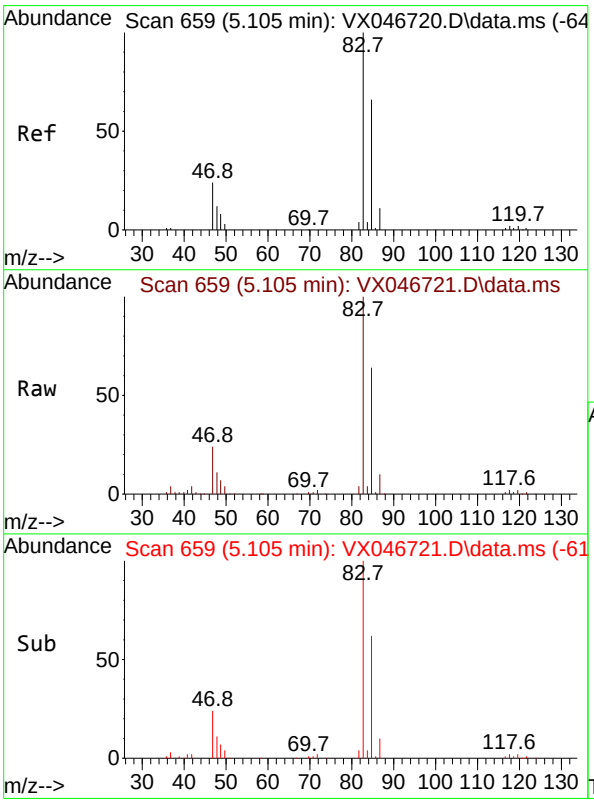

#29
Tetrahydrofuran
Concen: 569.746 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 265233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.5 | 34.9 | 52.3 |
| 71 | 40.2 | 32.2 | 48.2 |

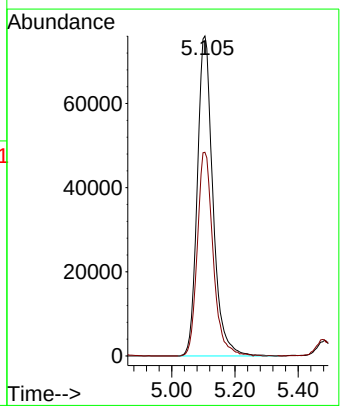


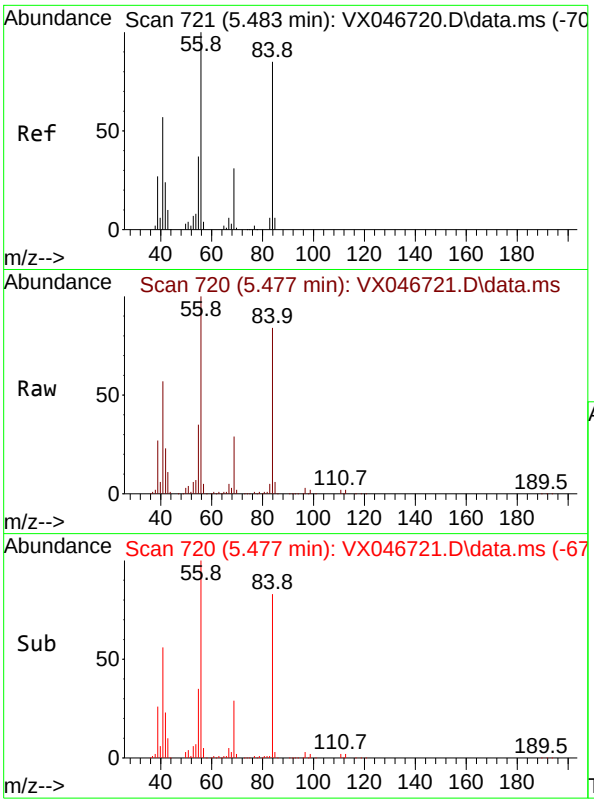




#30
Chloroform
Concen: 108.113 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 83 Resp: 260888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 53.7 | 80.5 |



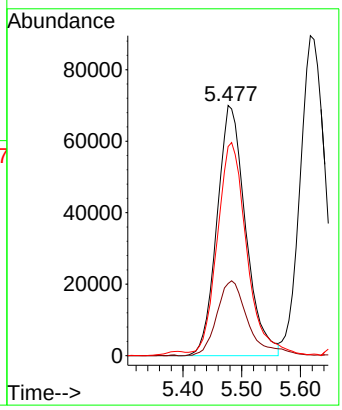


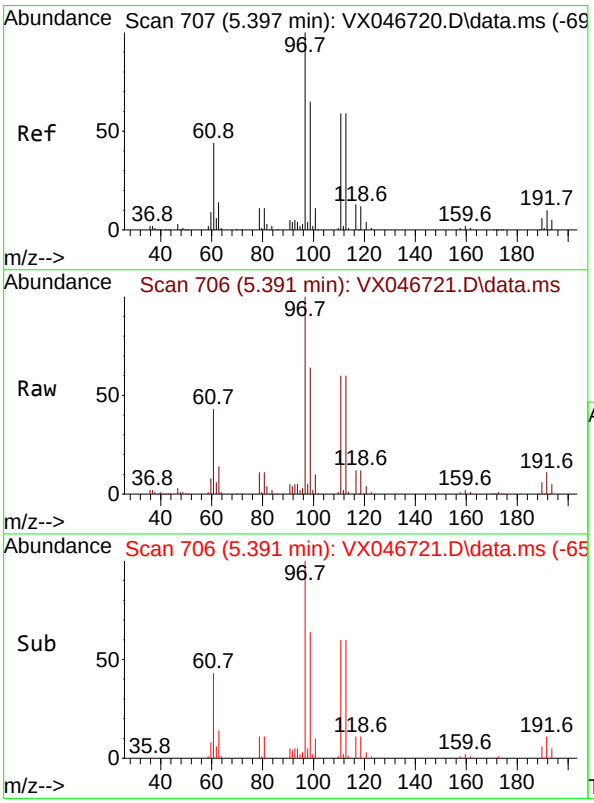

#31
Cyclohexane
Concen: 103.757 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 237424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.9 | 24.8 | 37.2 |
| 84 | 81.9 | 68.2 | 102.2 |

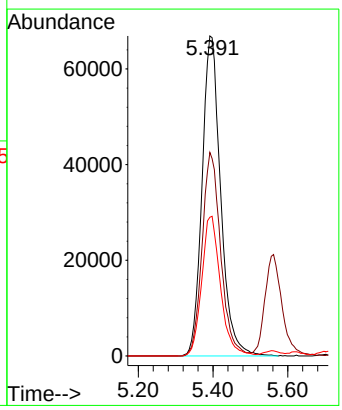


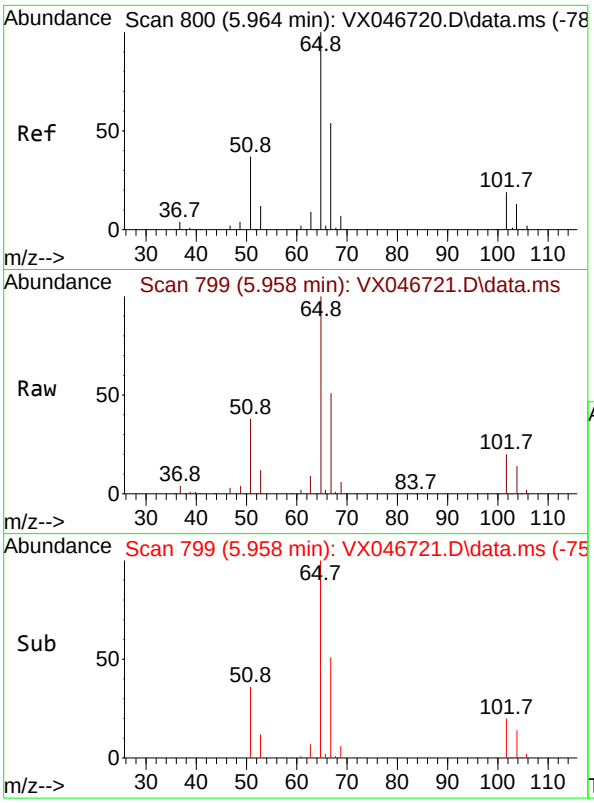




#32
1,1,1-Trichloroethane
Concen: 109.198 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 97 Resp: 231101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 51.3 | 76.9 |
| 61 | 44.1 | 36.4 | 54.6 |



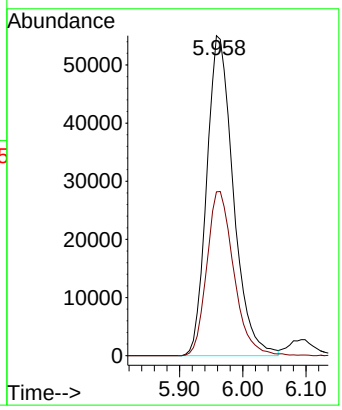


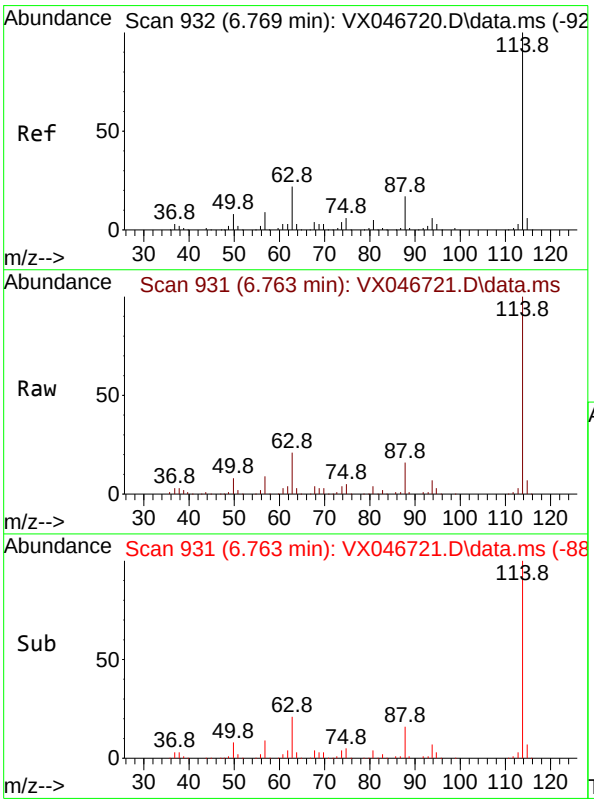

#33
1,2-Dichloroethane-d4
Concen: 105.037 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 160514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |

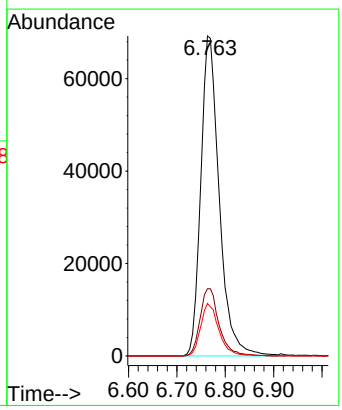


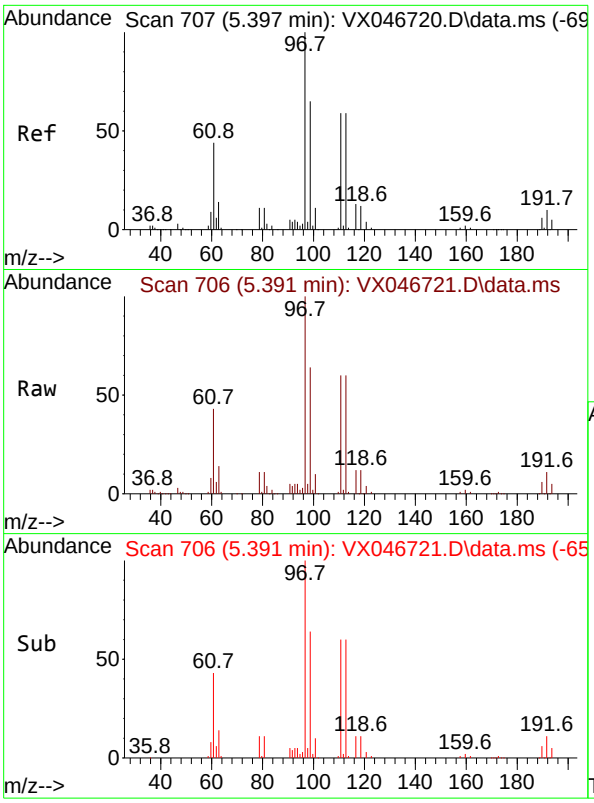




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:114 Resp: 183300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 44.2 |
| 88 | 16.4 | 0.0 | 33.2 |



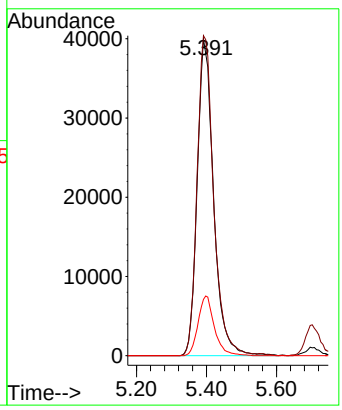


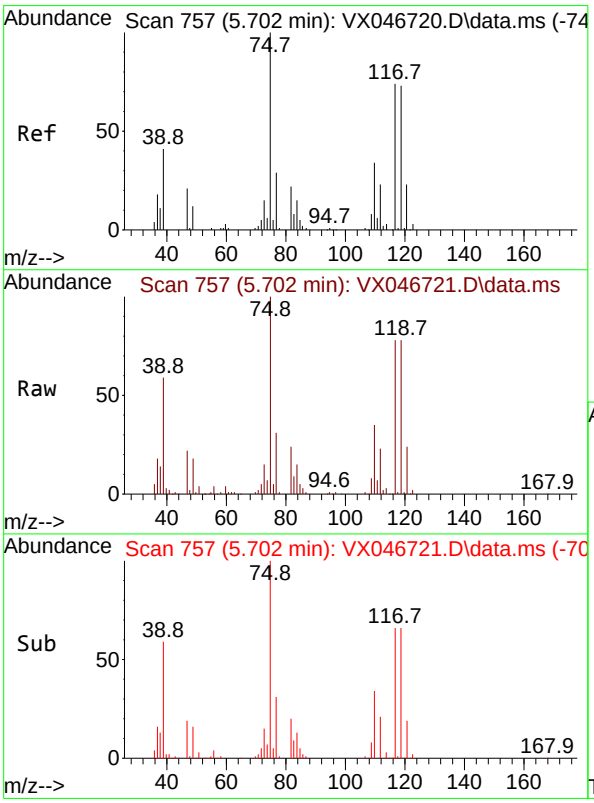

#35
Dibromofluoromethane
Concen: 107.136 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 129932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |

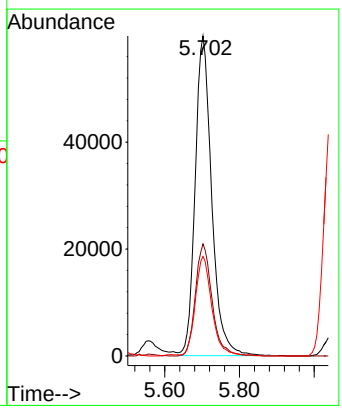


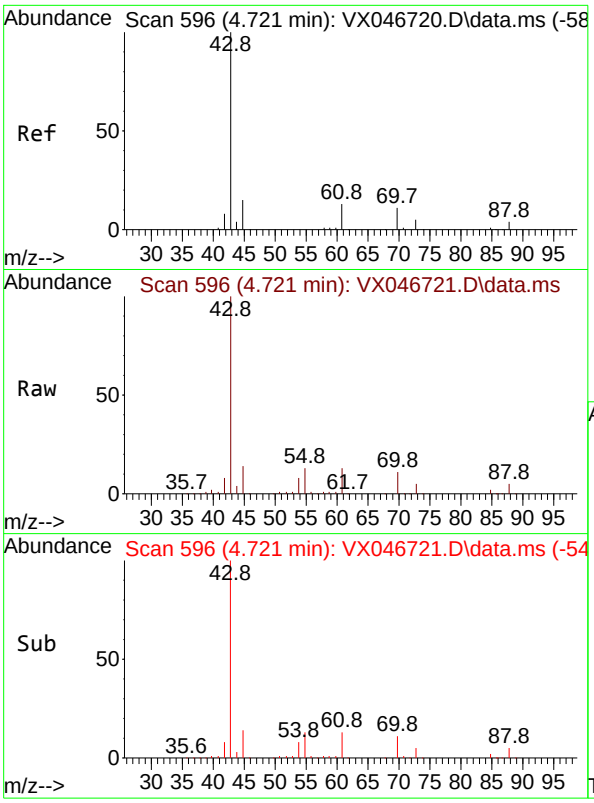




#36
1,1-Dichloropropene
Concen: 104.733 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 183355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.2 | 51.5 |
| 77 | 31.2 | 24.2 | 36.4 |



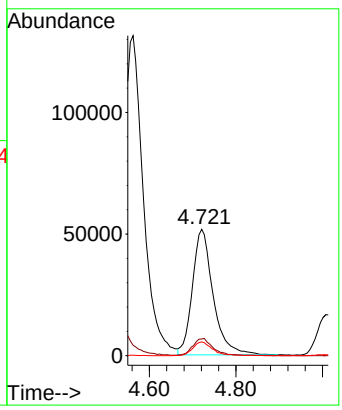


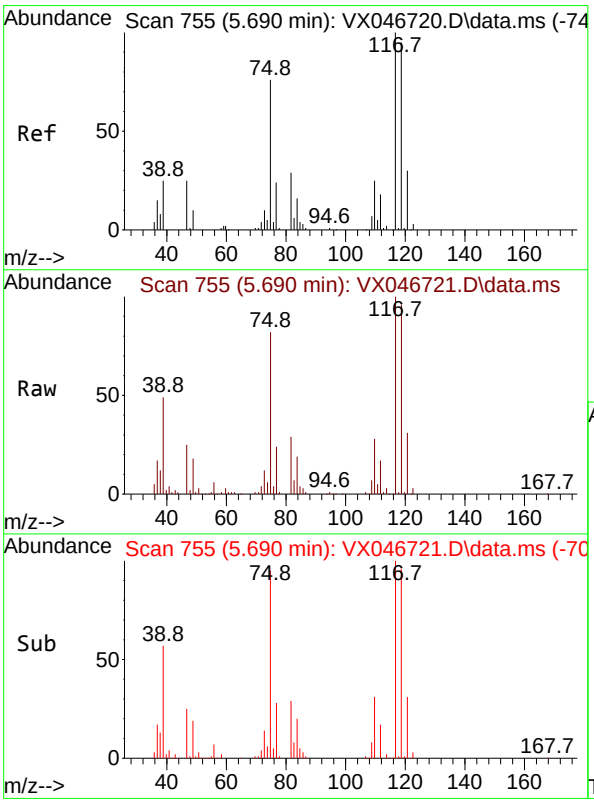

#37
Ethyl Acetate
Concen: 106.094 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 171444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 9.7 | 14.5 |
| 70 | 10.4 | 8.1 | 12.1 |

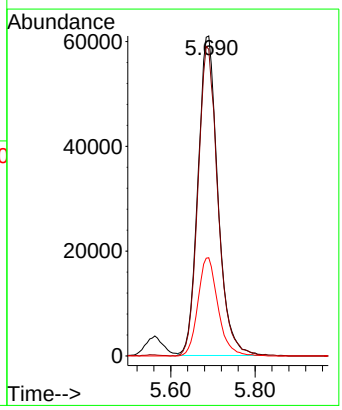


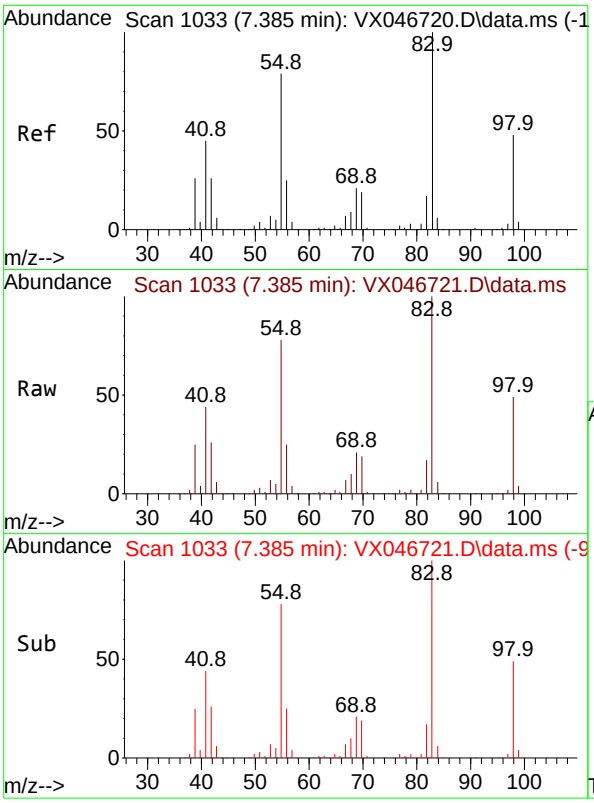




#38
Carbon Tetrachloride
Concen: 105.749 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:117 Resp: 200914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.2 | 112.8 |
| 121 | 30.8 | 24.1 | 36.1 |



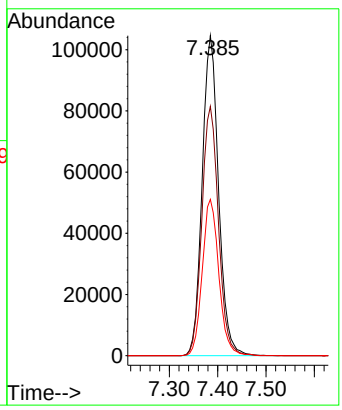


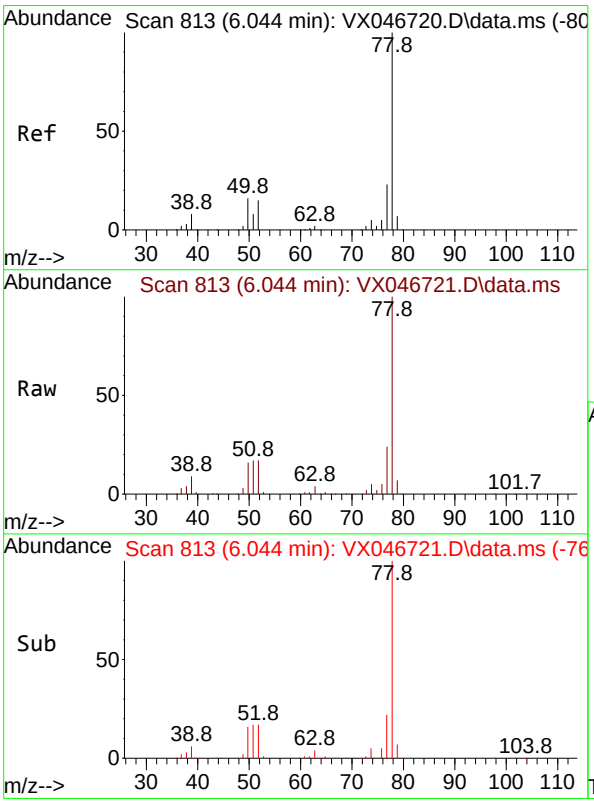

#39
Methylcyclohexane
Concen: 106.902 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 246277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.9 | 63.0 | 94.4 |
| 98 | 48.8 | 38.8 | 58.2 |

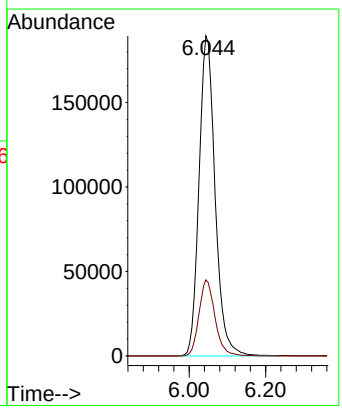


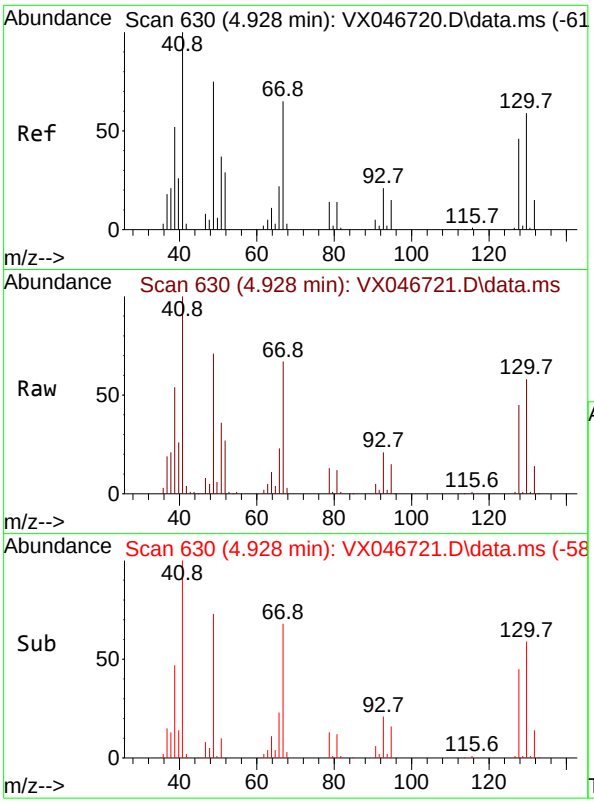




#40
Benzene
Concen: 106.798 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 78 Resp: 553336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 18.8 | 28.2 |



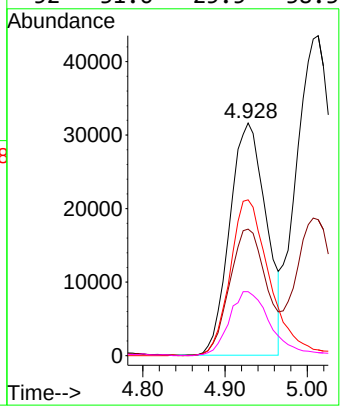


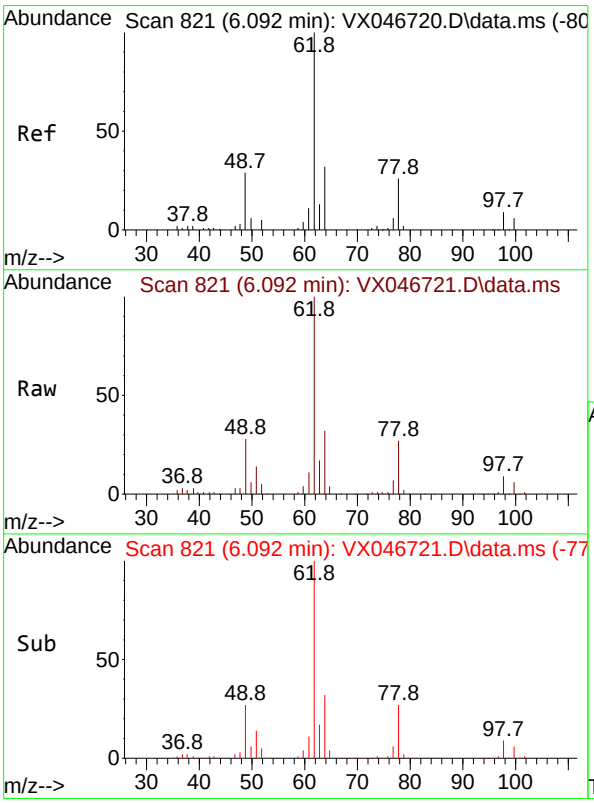

#41
Methacrylonitrile
Concen: 113.502 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 97782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 45.9 | 68.9 |
| 67 | 73.6 | 61.2 | 91.8 |
| 52 | 31.6 | 25.5 | 38.3 |

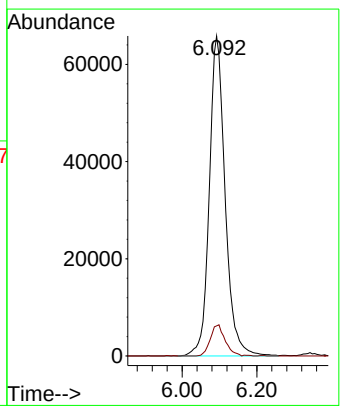


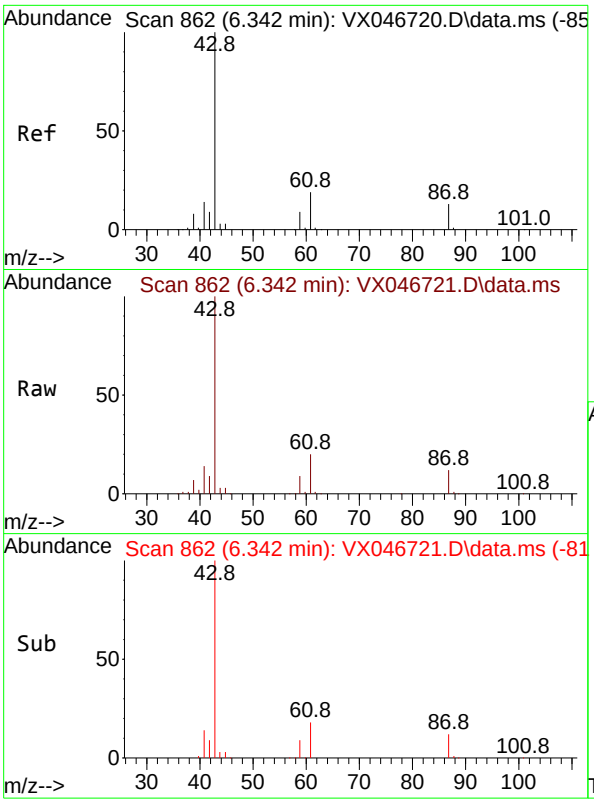




#42
1,2-Dichloroethane
Concen: 106.278 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 62 Resp: 193498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.8 |



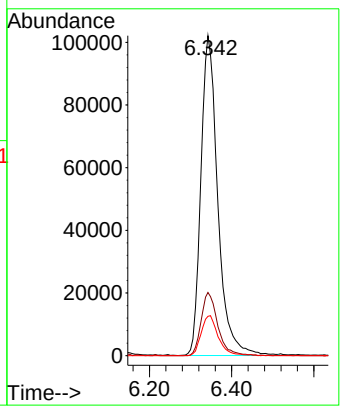


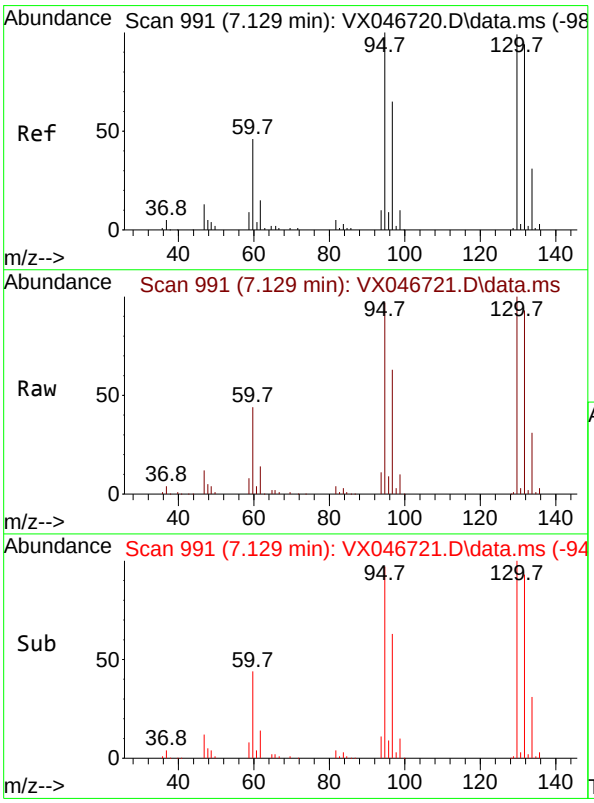

#43
Isopropyl Acetate
Concen: 115.264 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 291467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

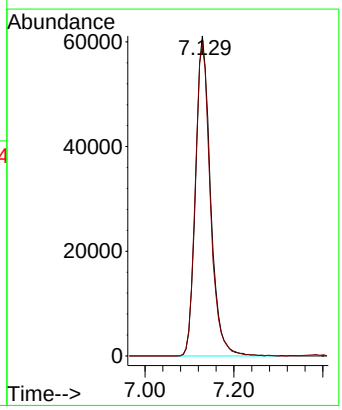


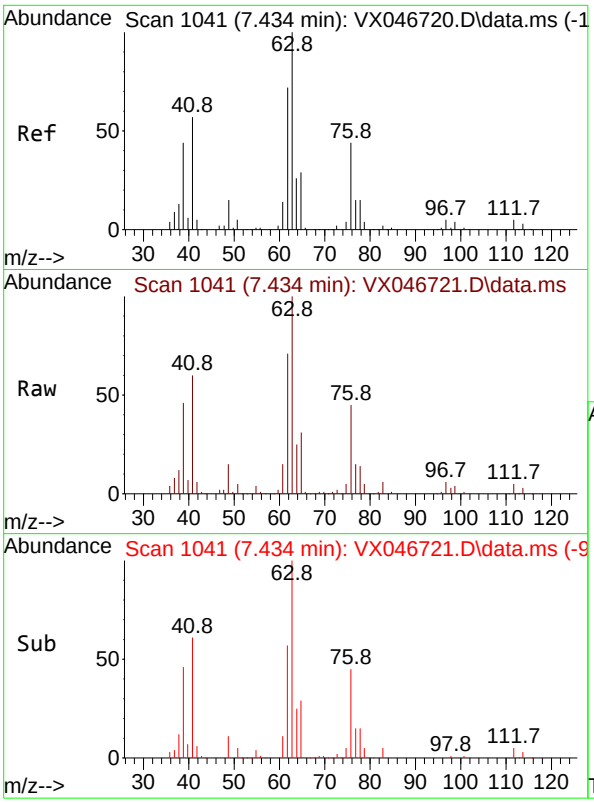




#44
Trichloroethene
Concen: 108.043 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:130 Resp: 142659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 202.6 |



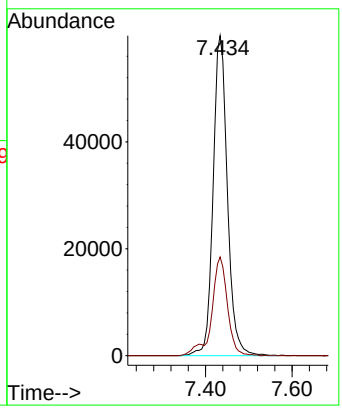


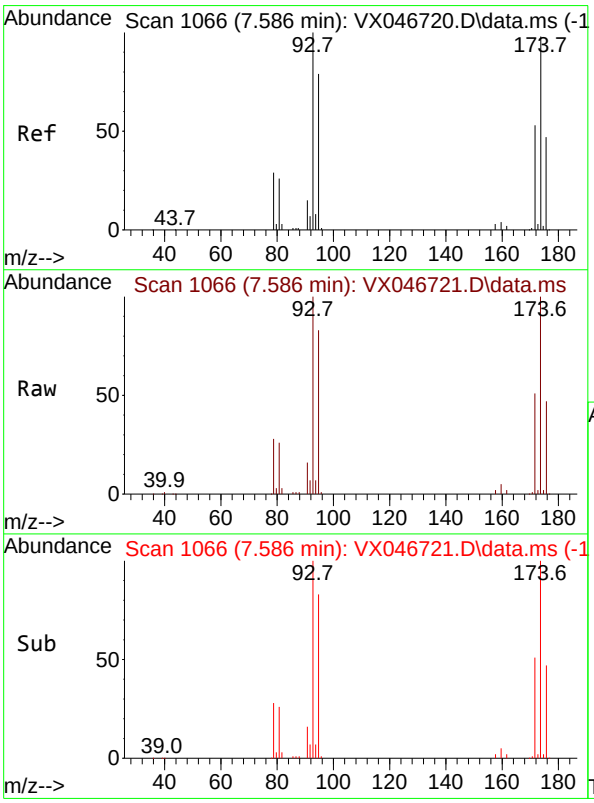

#45
1,2-Dichloropropane
Concen: 106.920 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 137291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 22.9 | 34.3 |

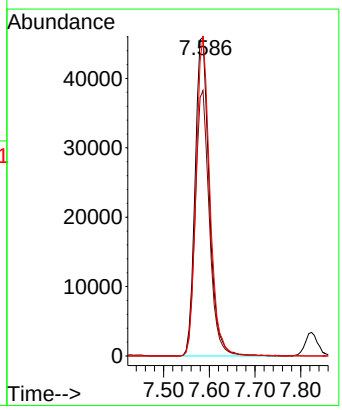


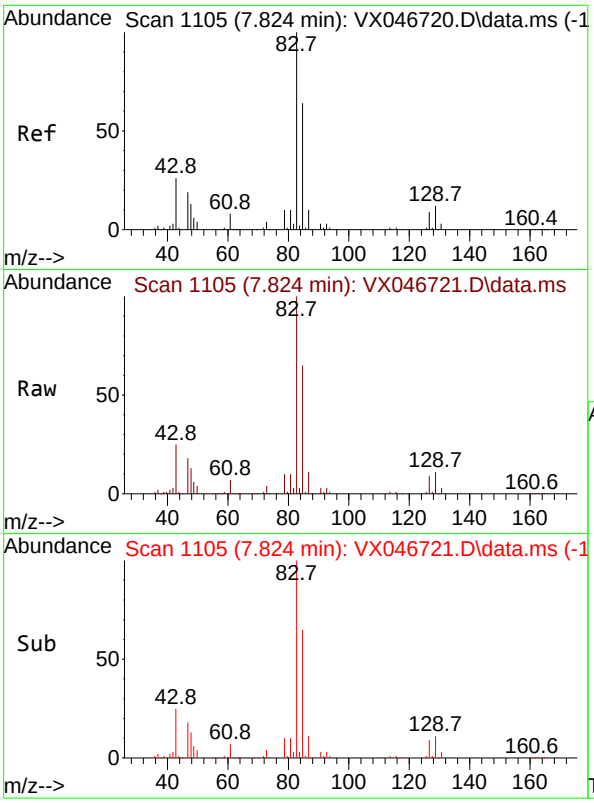




#46
Dibromomethane
Concen: 107.240 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 93 Resp: 98964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 66.2 | 99.4 |
| 174 | 97.4 | 77.0 | 115.6 |



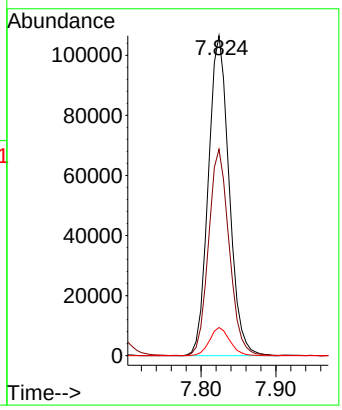


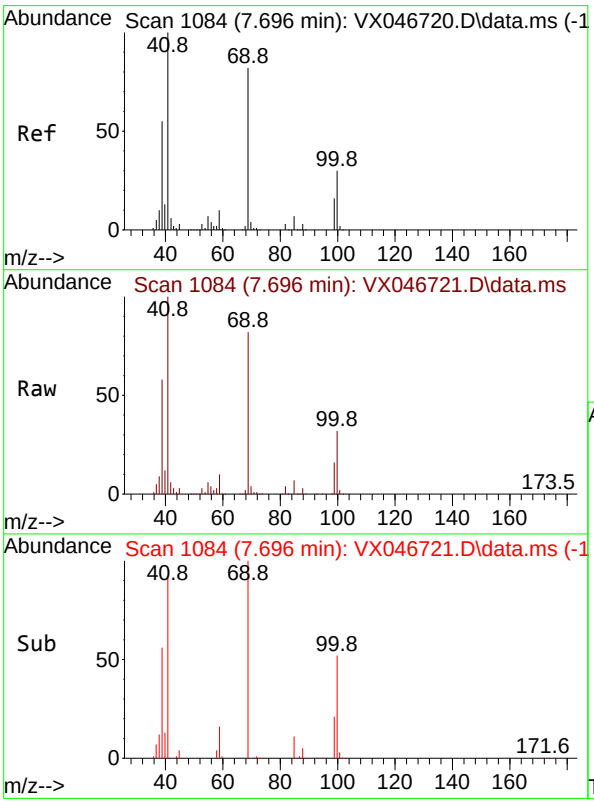

#47
Bromodichloromethane
Concen: 109.319 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 205870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 51.4 | 77.2 |
| 127 | 8.8 | 6.9 | 10.3 |

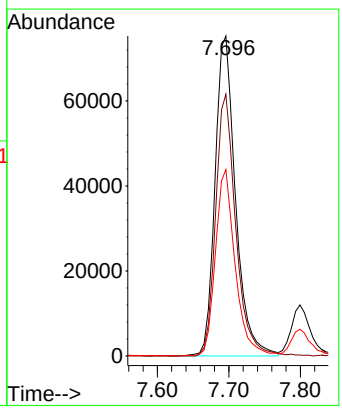


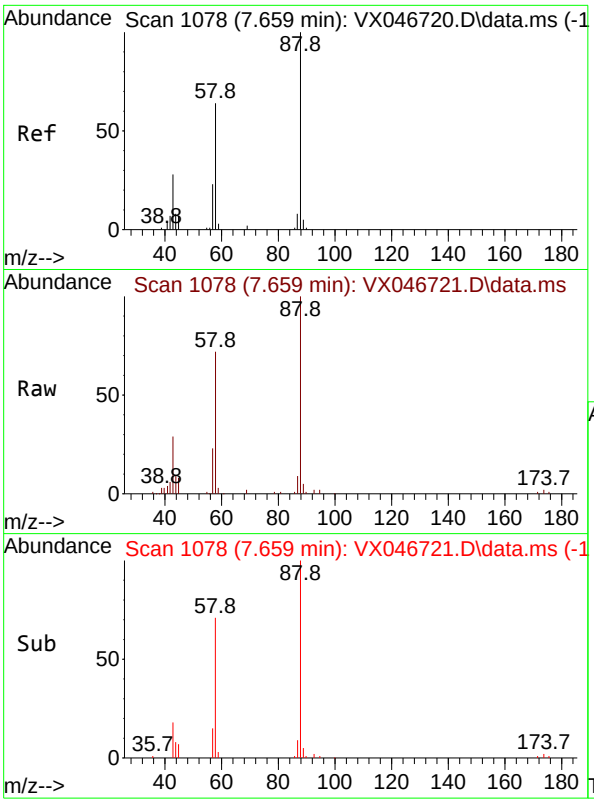




#48
Methyl methacrylate
Concen: 118.279 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 41 Resp: 150002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.4 | 63.4 | 95.2 |
| 39 | 56.2 | 45.4 | 68.0 |



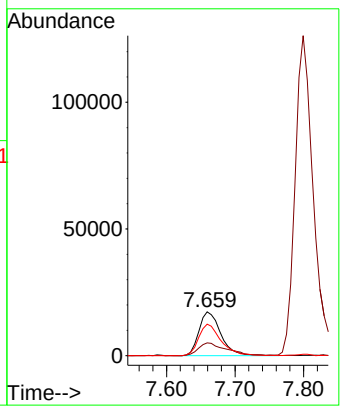


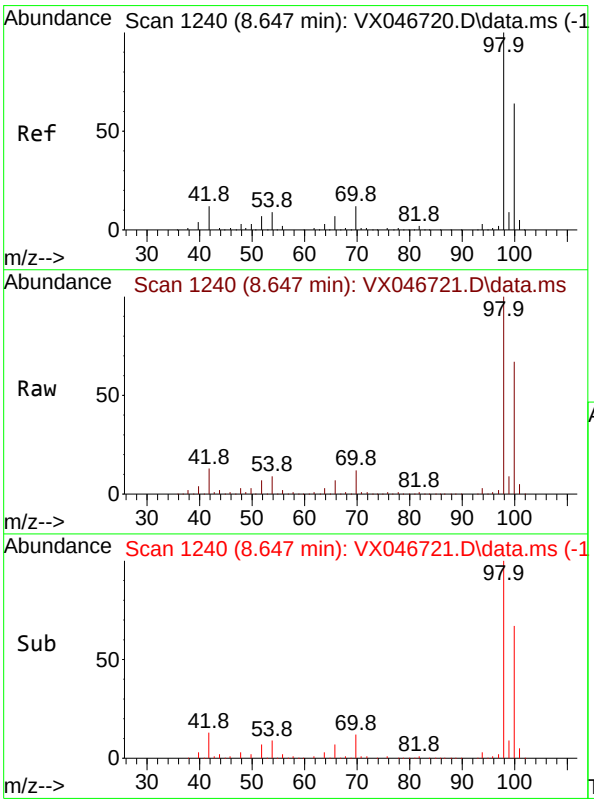

#49
1,4-Dioxane
Concen: 2040.447 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 38203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.8 | 31.2 | 46.8 |
| 58 | 73.7 | 54.7 | 82.1 |

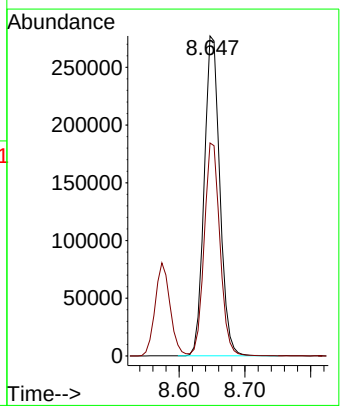


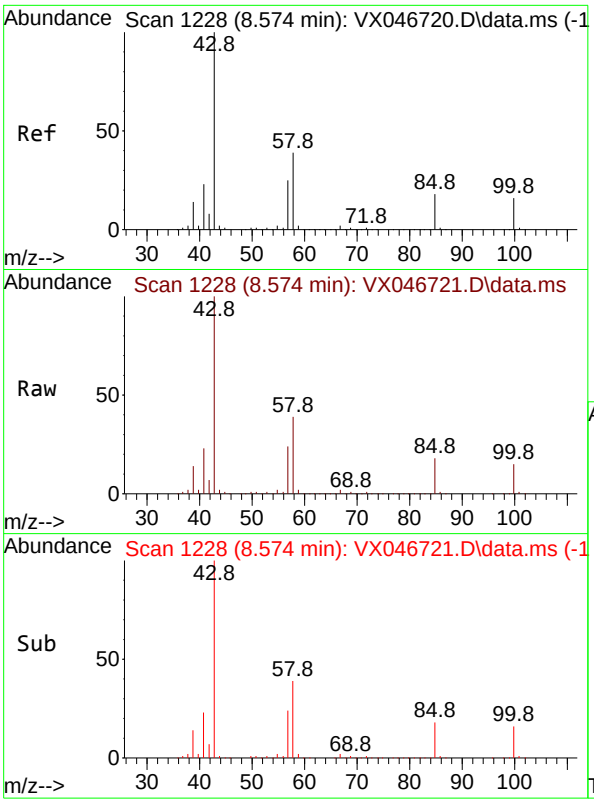




#50
Toluene-d8
Concen: 105.153 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 98 Resp: 458174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 53.0 | 79.4 |



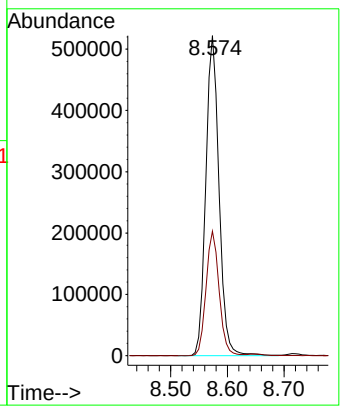


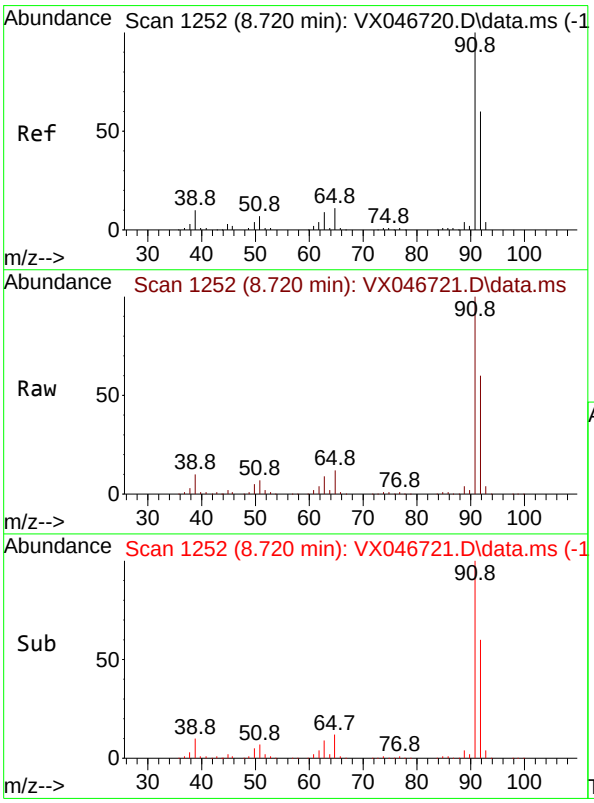

#51
4-Methyl-2-Pentanone
Concen: 559.584 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 843944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.5 | 30.8 | 46.2 |

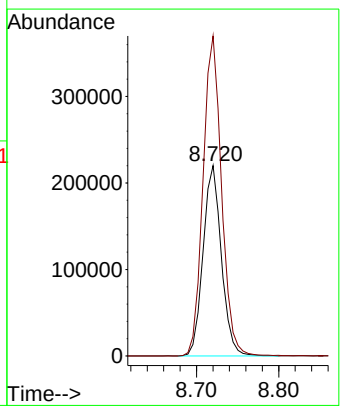


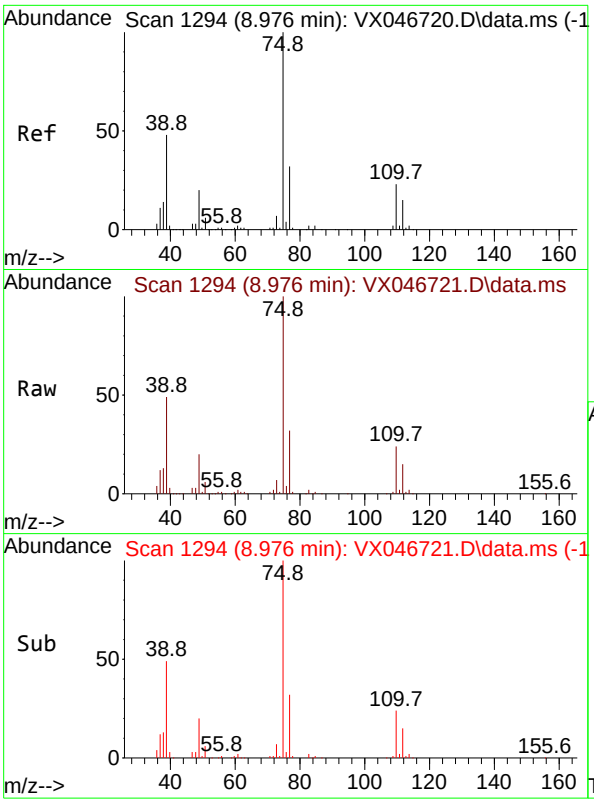




#52
Toluene
Concen: 105.772 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 92 Resp: 339735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 134.8 | 202.2 |



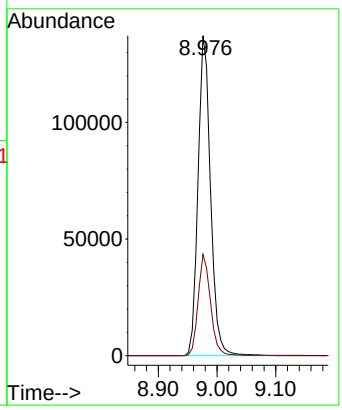


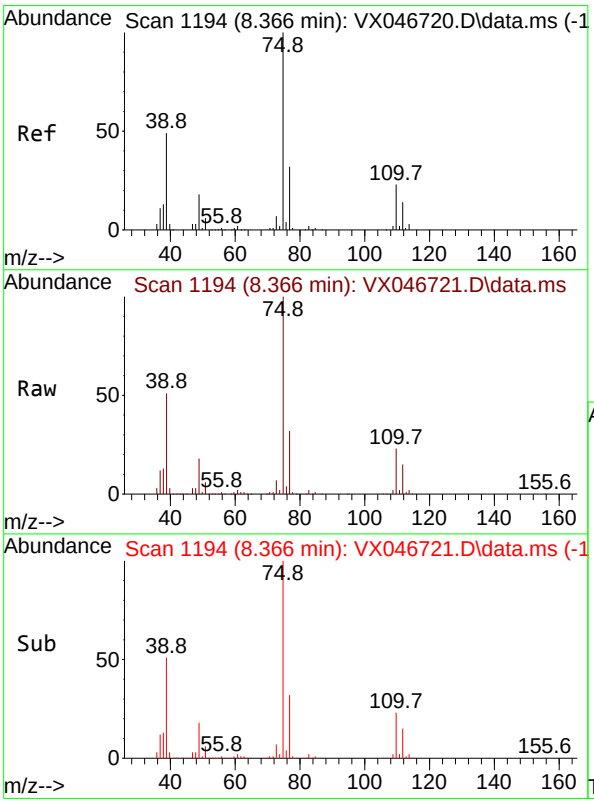

#53
t-1,3-Dichloropropene
Concen: 116.448 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 203470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.6 | 38.4 |

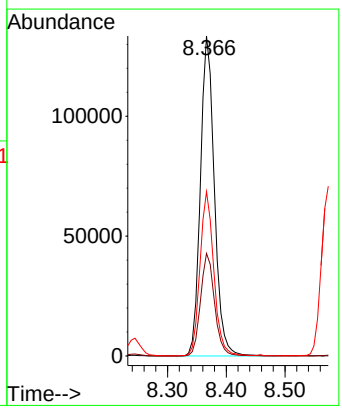


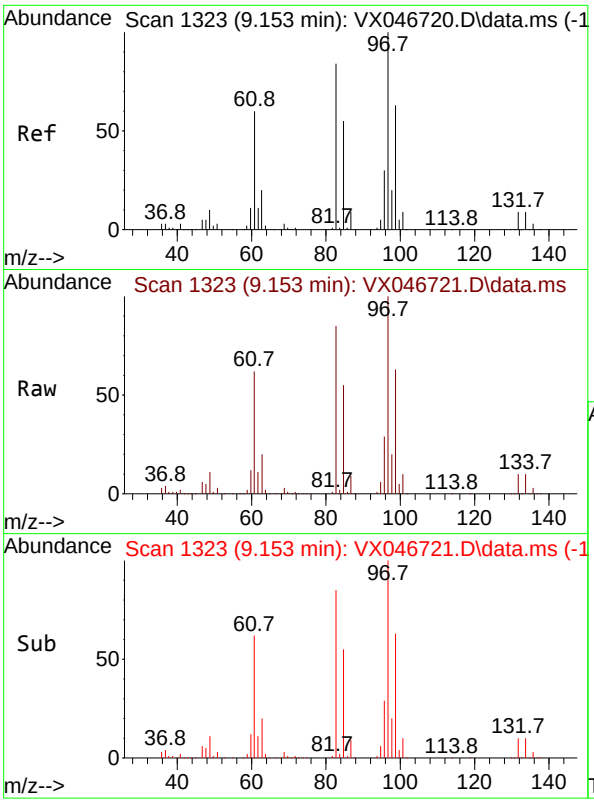




#54
cis-1,3-Dichloropropene
Concen: 111.537 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 221241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.3 | 37.9 |
| 39 | 51.0 | 39.2 | 58.8 |



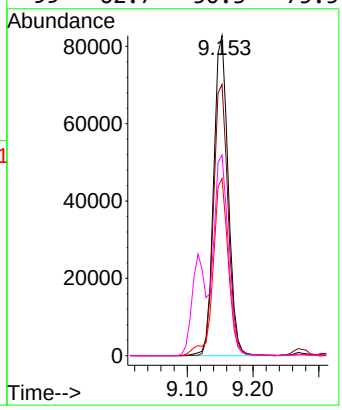


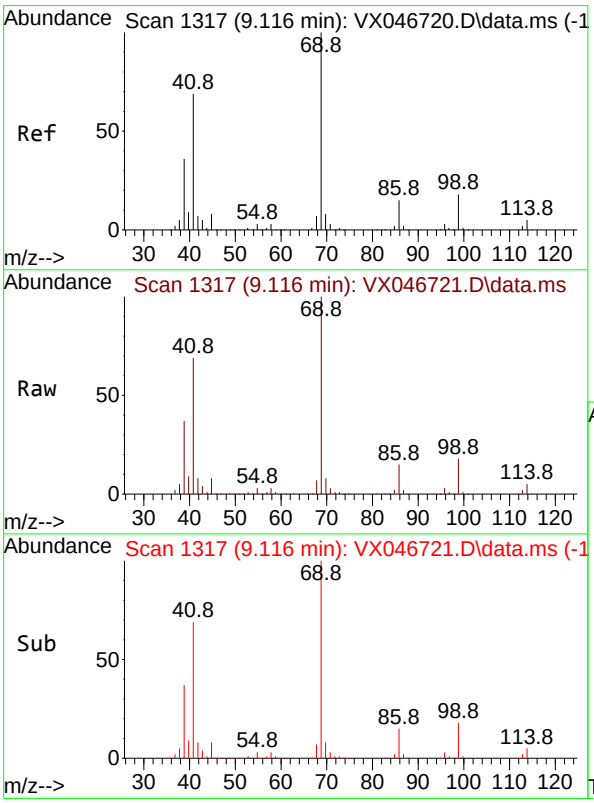

#55
1,1,2-Trichloroethane
Concen: 106.264 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 127195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.7 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 62.7 | 50.3 | 75.5 |

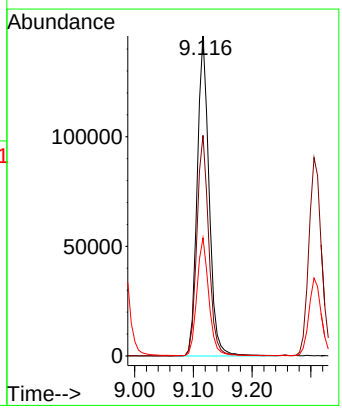


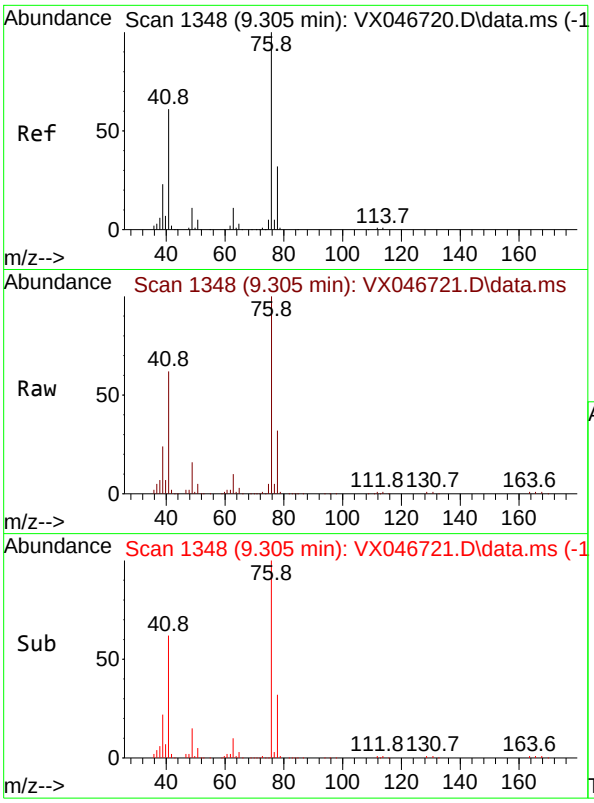




#56
Ethyl methacrylate
Concen: 116.106 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 69 Resp: 205153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 55.4 | 83.2 |
| 39 | 36.9 | 29.7 | 44.5 |



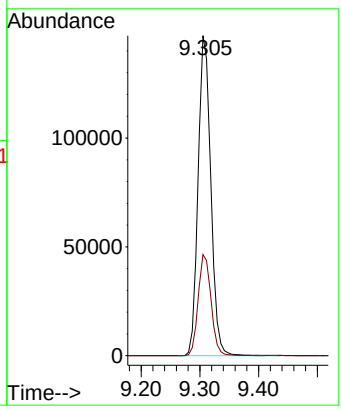


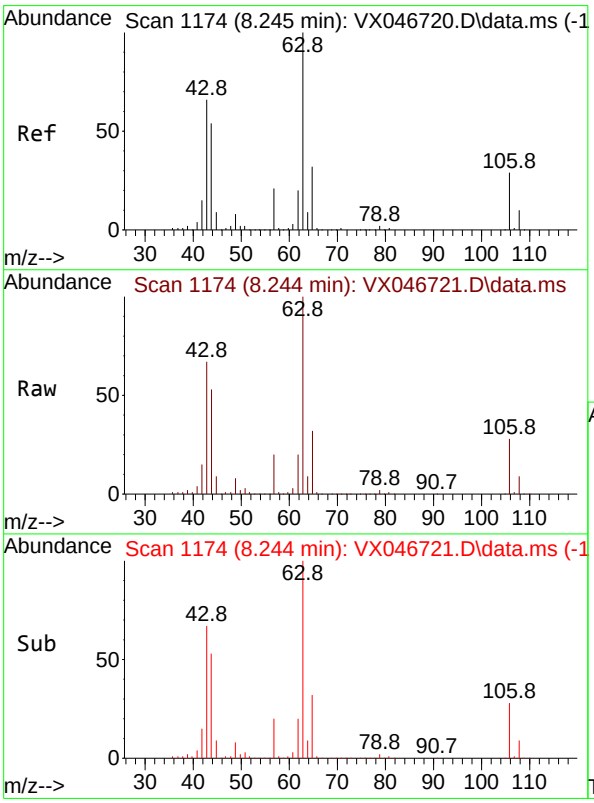

#57
1,3-Dichloropropane
Concen: 106.740 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 220021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 25.7 | 38.5 |

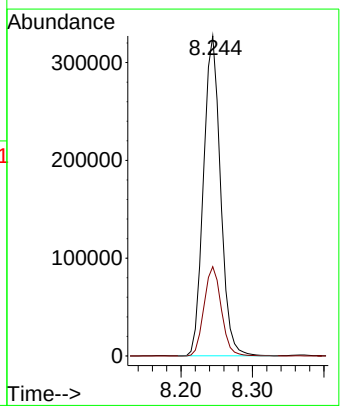


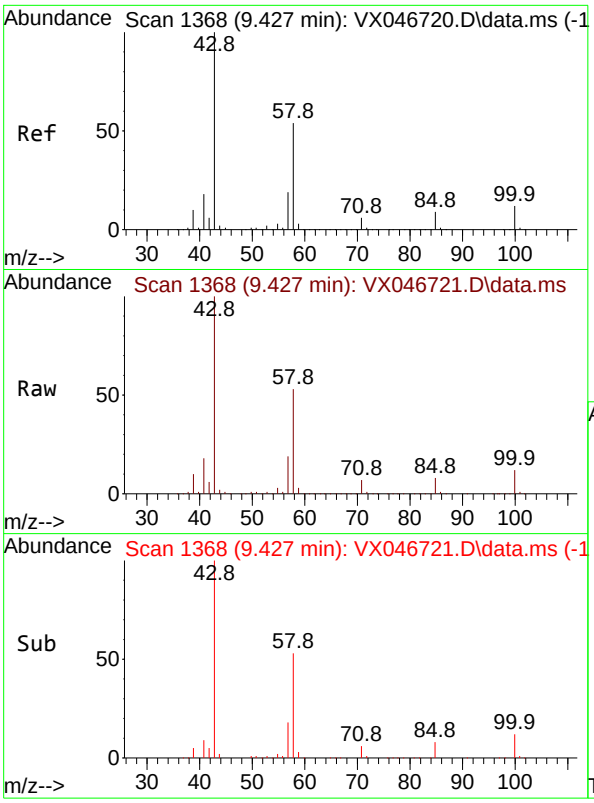




#58
2-Chloroethyl Vinyl ether
Concen: 590.219 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 63 Resp: 541734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |



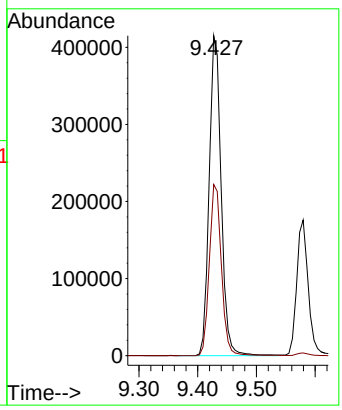


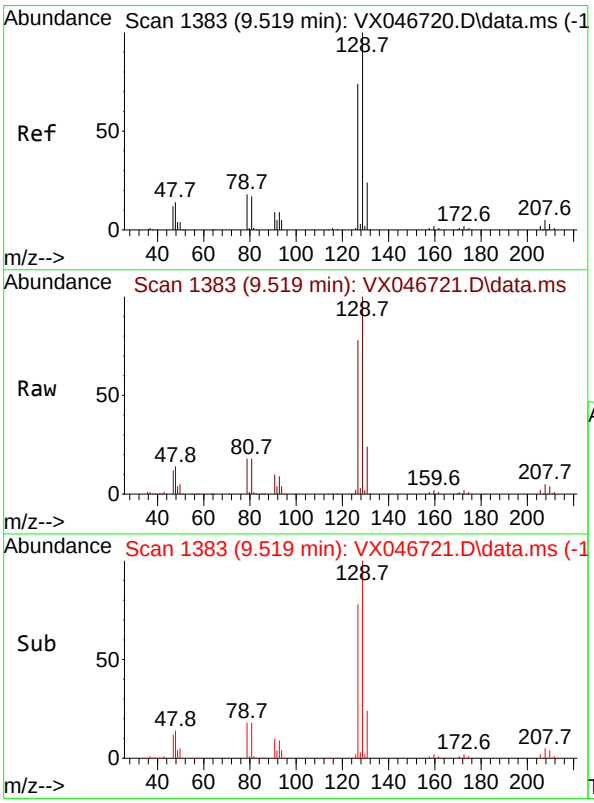

#59
2-Hexanone
Concen: 563.200 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 587221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.0 | 26.8 | 80.4 |

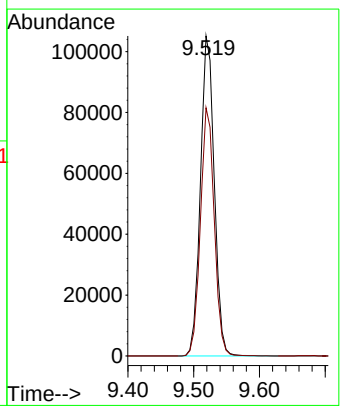


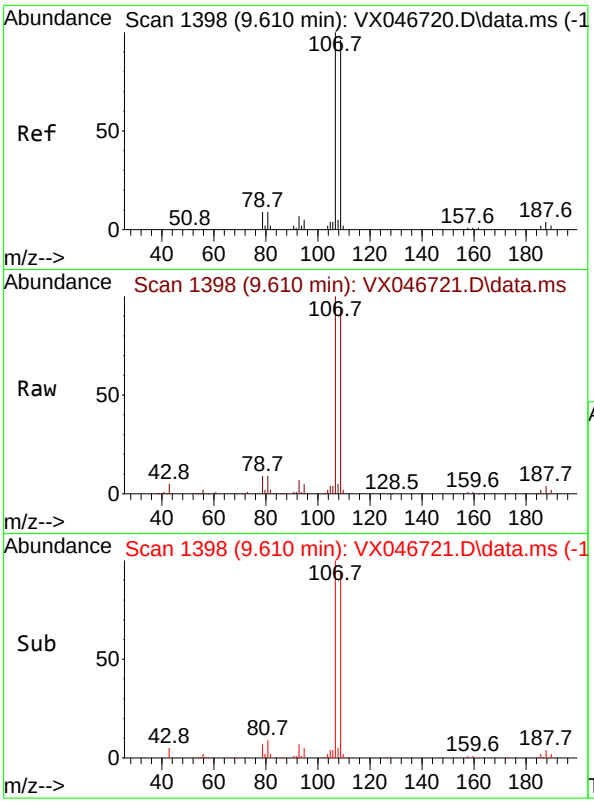




#60
Dibromochloromethane
Concen: 108.983 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:129 Resp: 153731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |



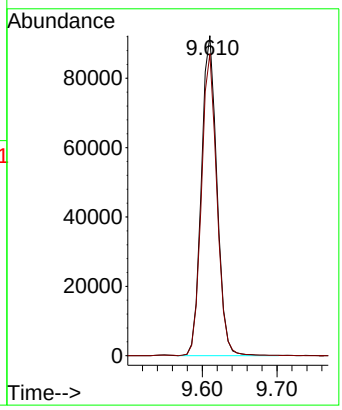


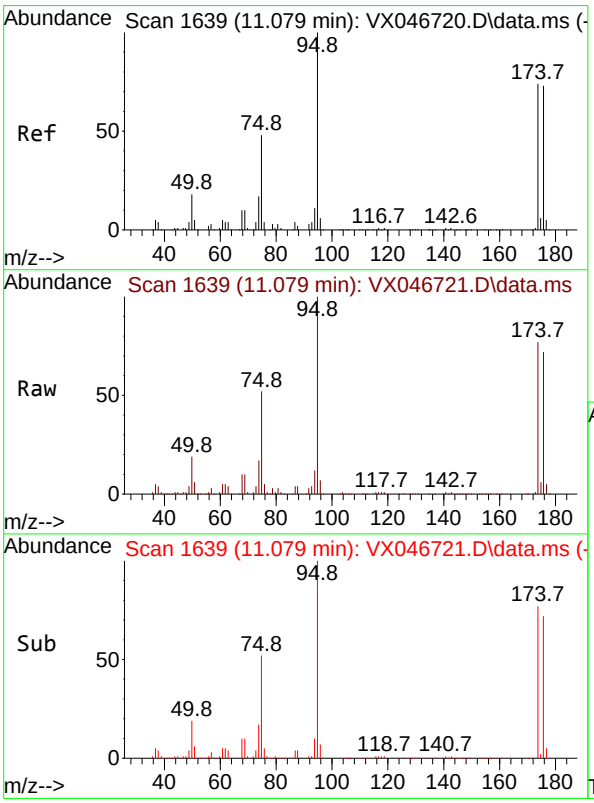

#61
1,2-Dibromoethane
Concen: 109.444 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 133253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.8 | 113.6 |

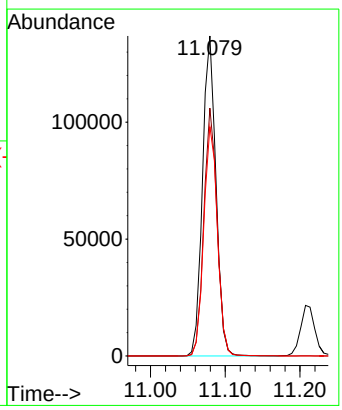


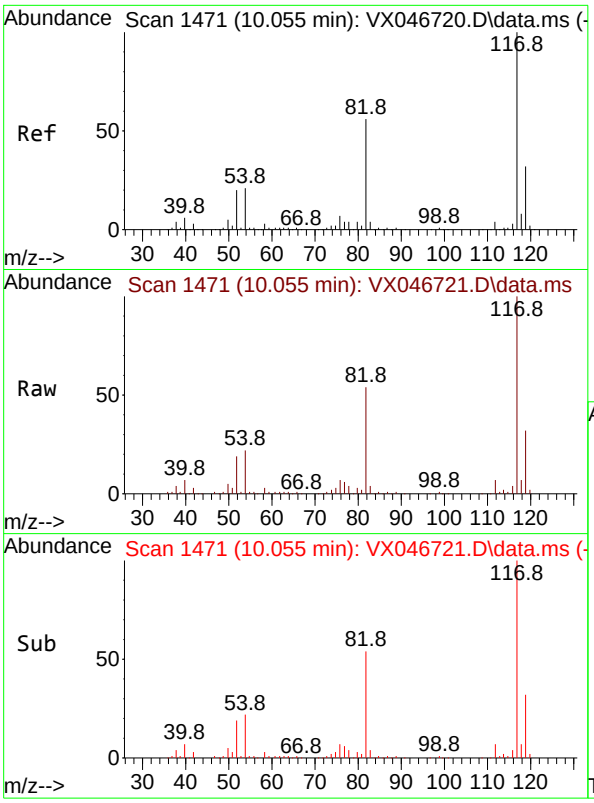




#62
4-Bromofluorobenzene
Concen: 105.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 95 Resp: 170795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 150.4 |
| 176 | 72.7 | 0.0 | 145.0 |



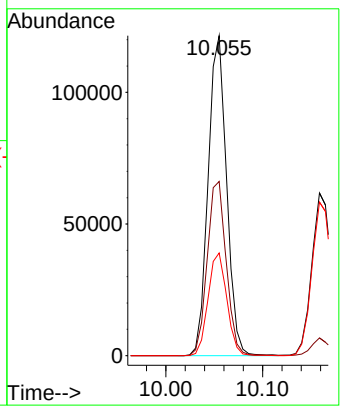


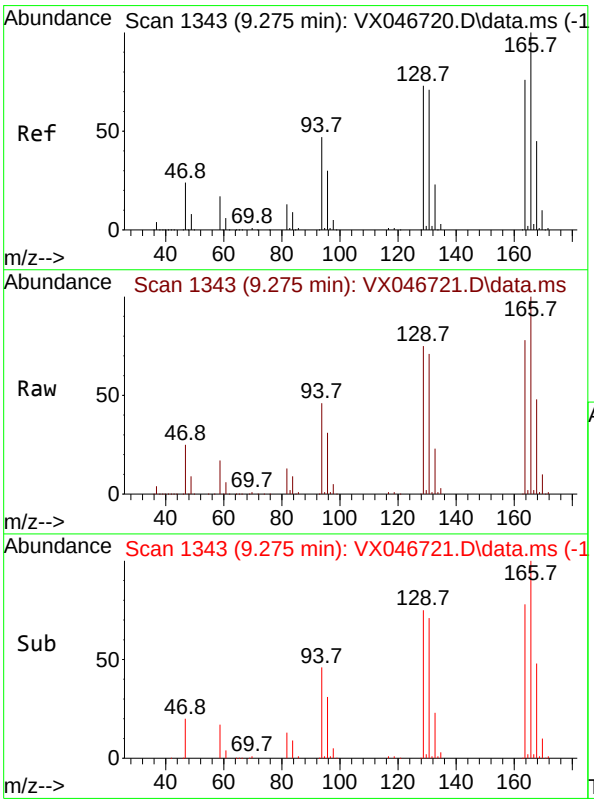

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 160869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

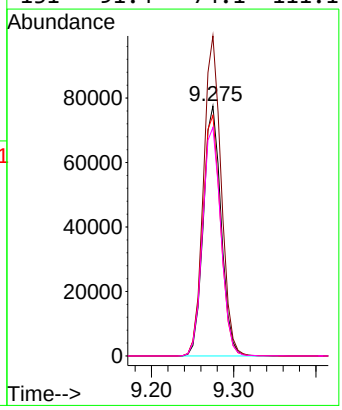


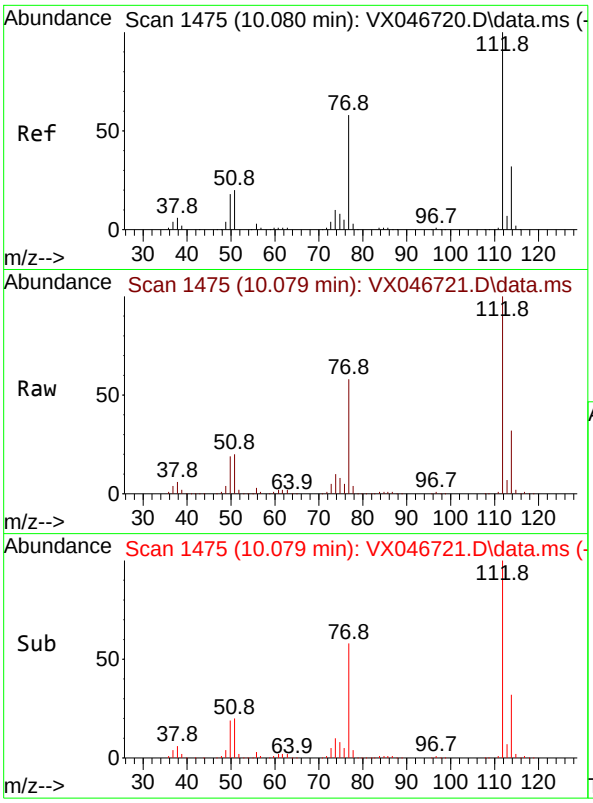




#64
Tetrachloroethene
Concen: 103.876 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:164 Resp: 115774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 104.6 | 157.0 |
| 129 | 96.2 | 76.3 | 114.5 |
| 131 | 91.4 | 74.1 | 111.1 |



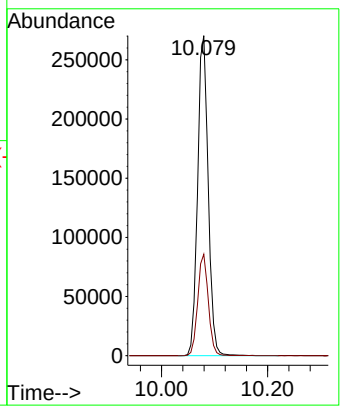


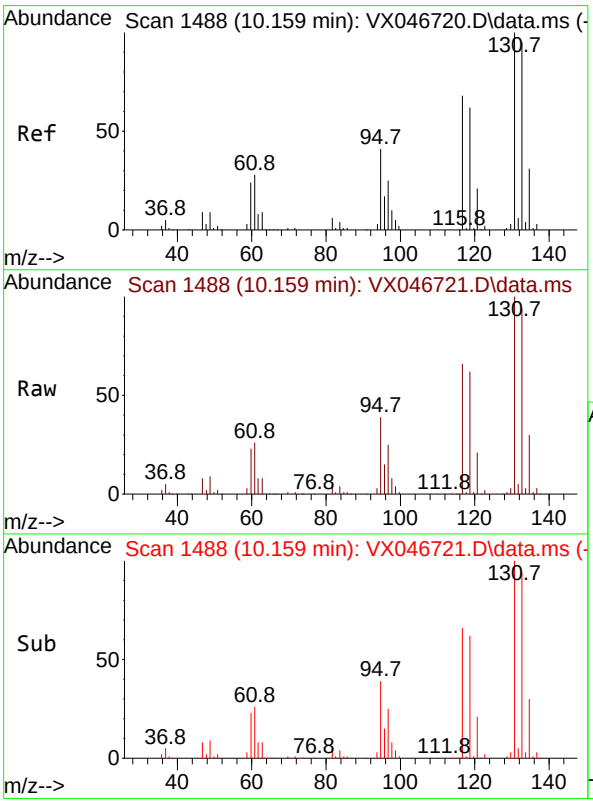

#65
Chlorobenzene
Concen: 105.577 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 374913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.5 | 38.3 |

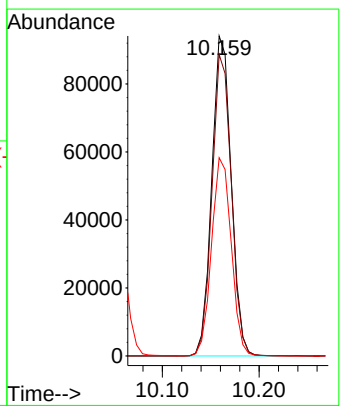


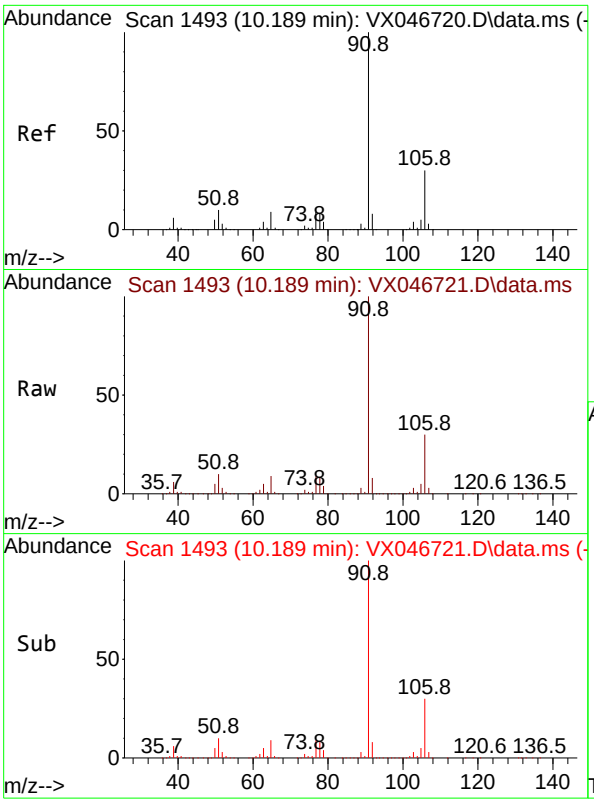




#66
1,1,1,2-Tetrachloroethane
Concen: 109.876 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:131 Resp: 131134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.8 | 47.3 | 141.8 |
| 119 | 63.0 | 32.1 | 96.3 |



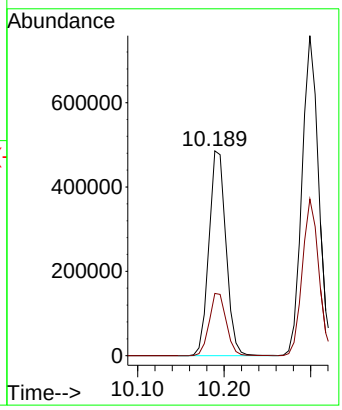


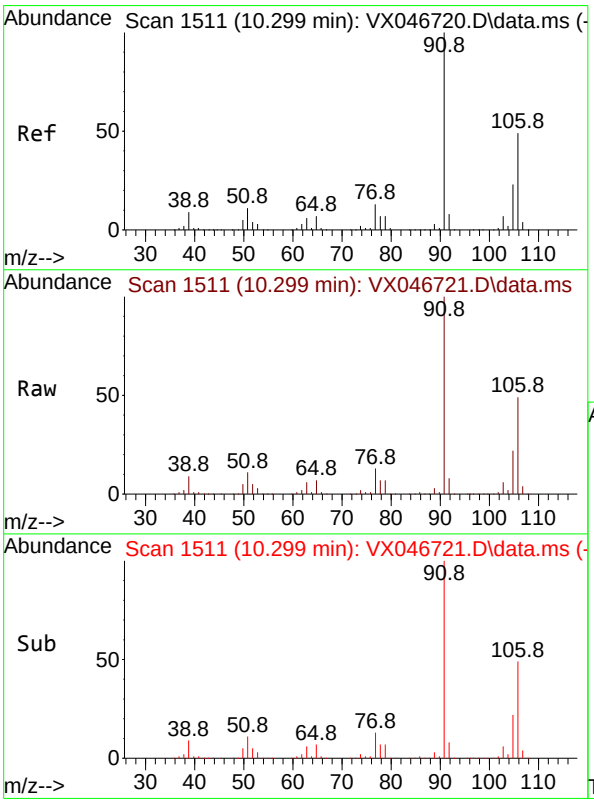

#67
Ethyl Benzene
Concen: 106.914 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 663369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.2 | 36.2 |

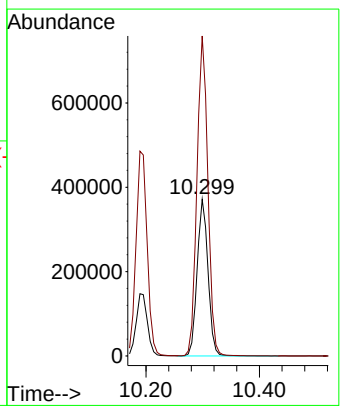


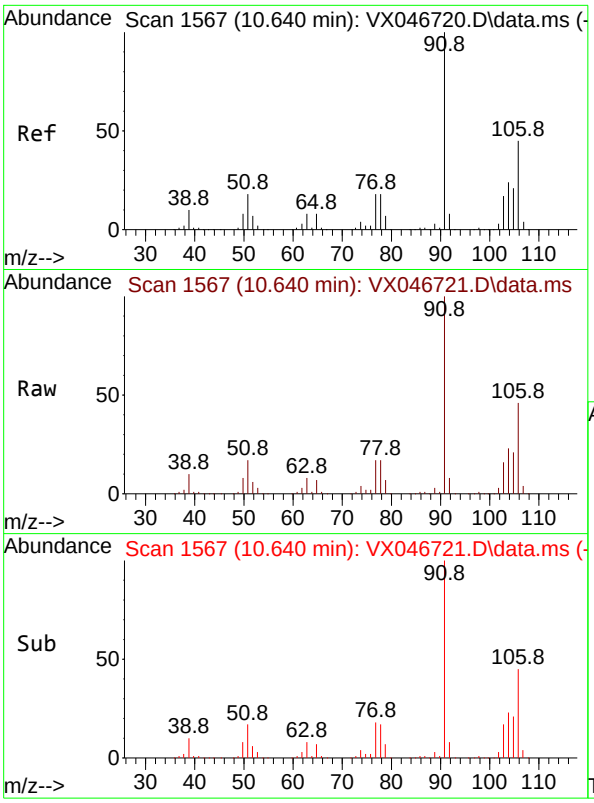




#68
m/p-Xylenes
Concen: 213.003 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:106 Resp: 492448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.0 | 164.8 | 247.2 |



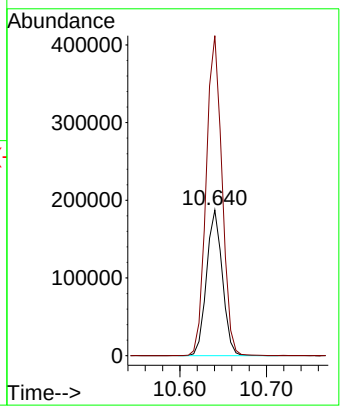


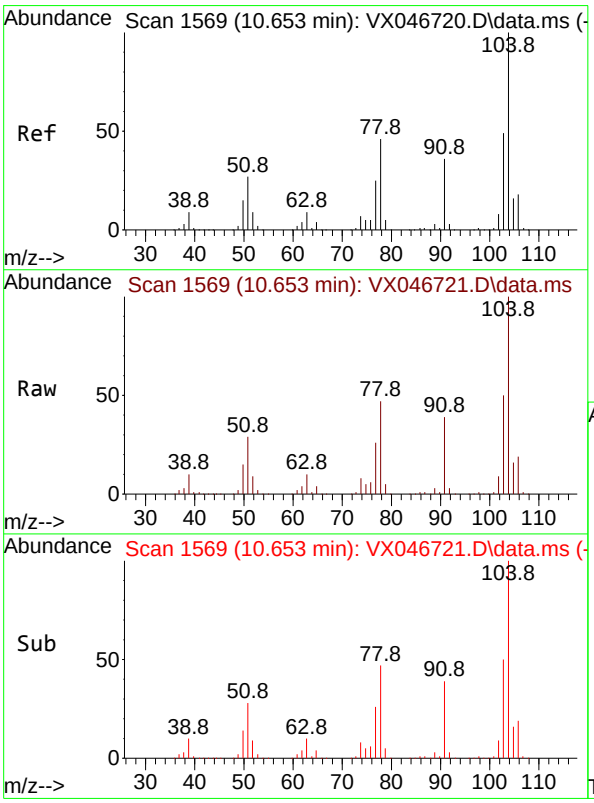

#69
o-Xylene
Concen: 109.675 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 237631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.5 | 111.3 | 333.9 |

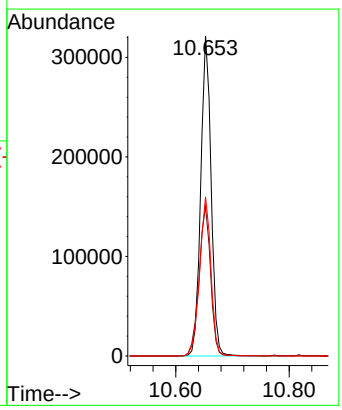


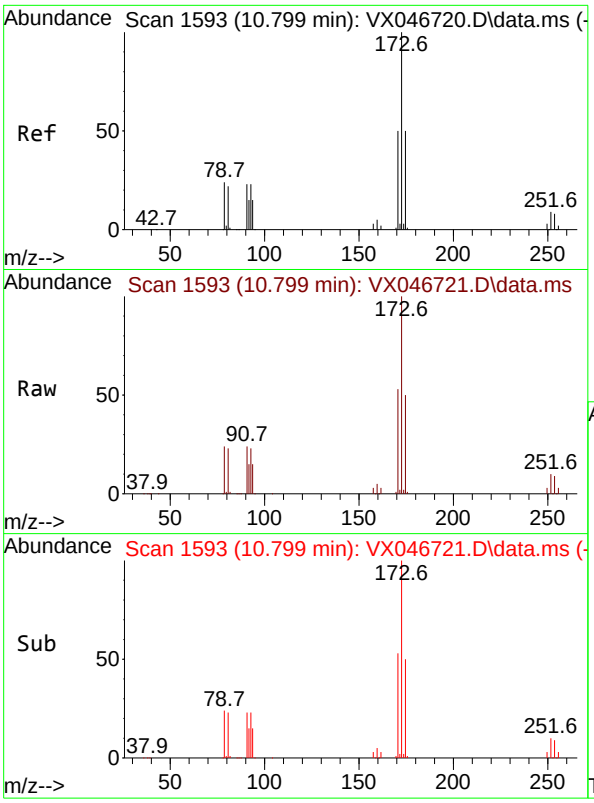




#70
Styrene
Concen: 107.488 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:104 Resp: 407566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 41.4 | 62.2 |
| 103 | 54.3 | 43.1 | 64.7 |



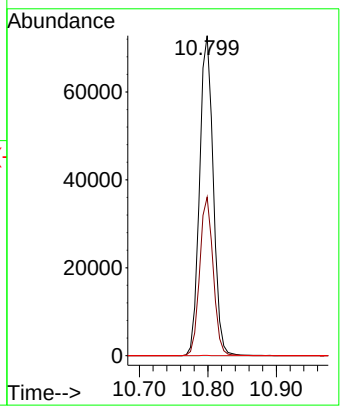


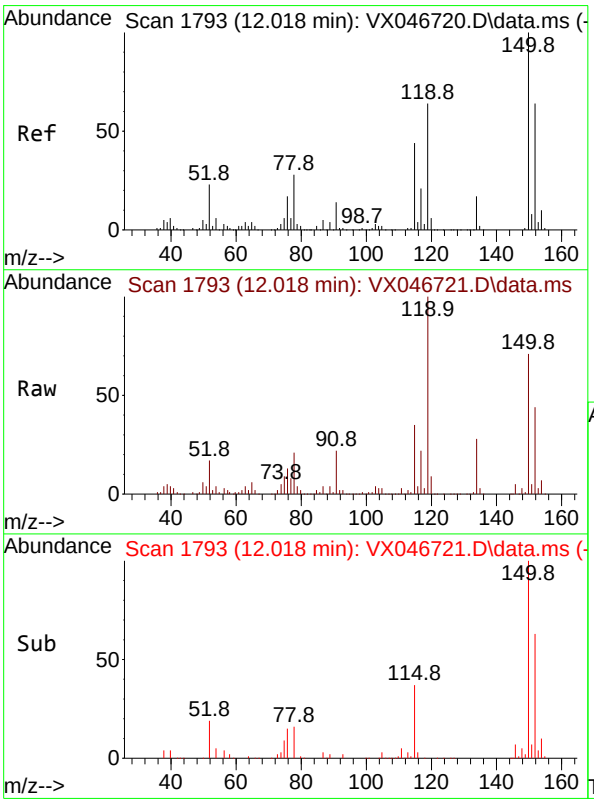

#71
Bromoform
Concen: 111.485 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 101329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1# |

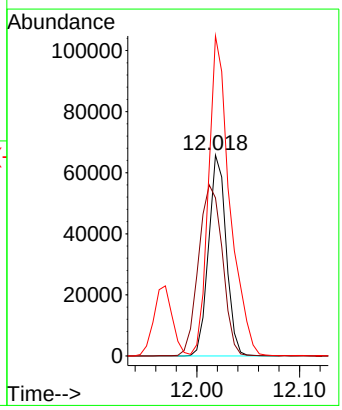


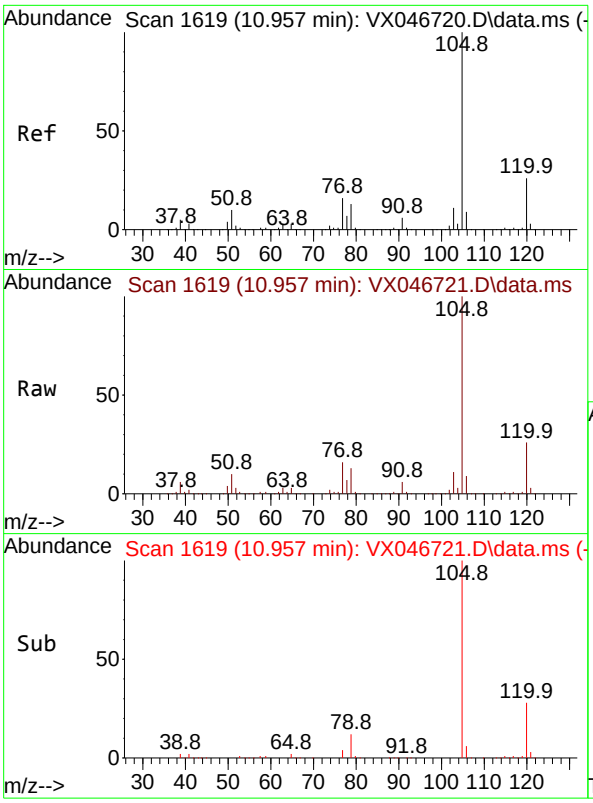




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:152 Resp: 78522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 115.4 | 43.2 | 129.6 |
| 150 | 191.6 | 0.0 | 346.8 |



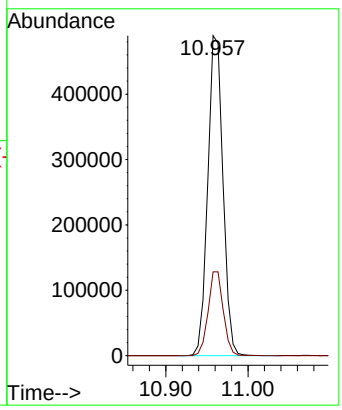


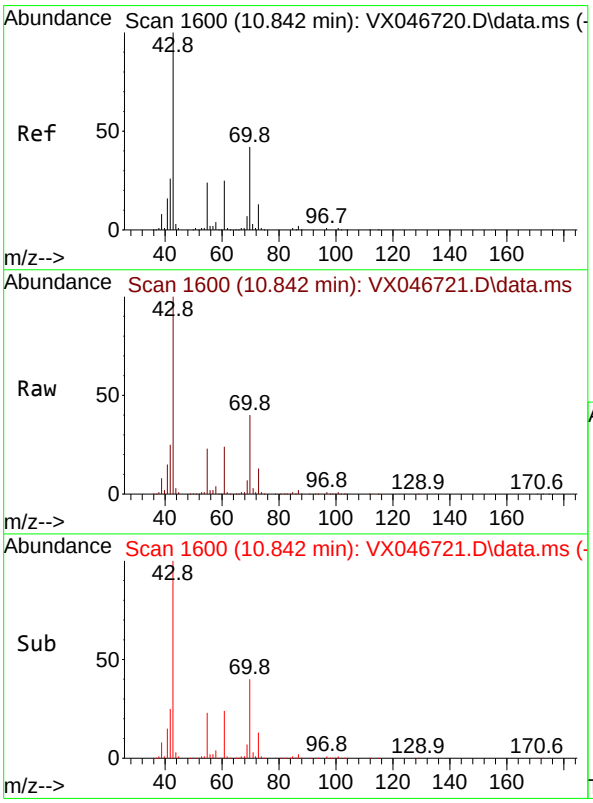

#73
Isopropylbenzene
Concen: 108.731 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 628803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.0 | 39.0 |

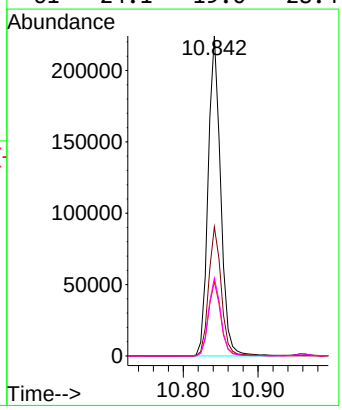


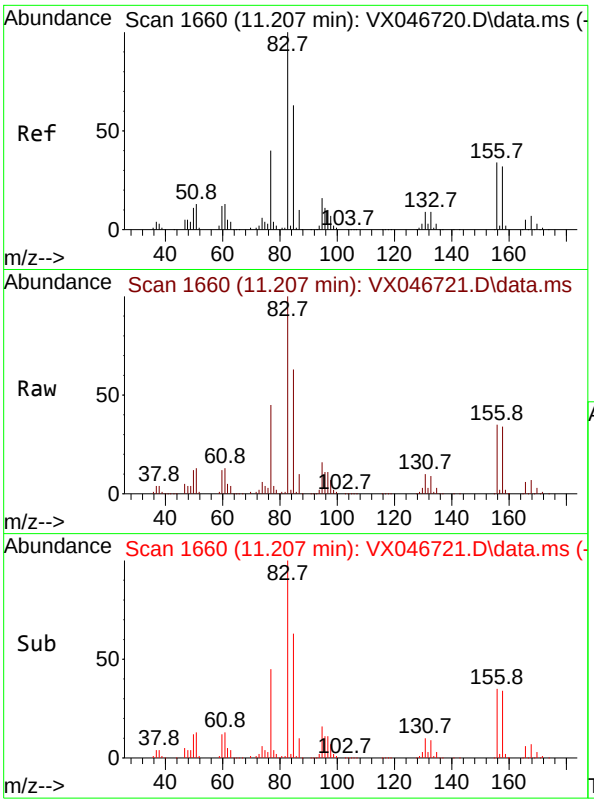




#74
N-amyl acetate
Concen: 118.945 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 43 Resp: 260620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 33.4 | 50.0 |
| 55 | 23.2 | 19.1 | 28.7 |
| 61 | 24.1 | 19.0 | 28.4 |



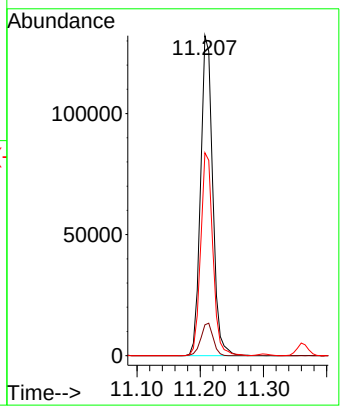


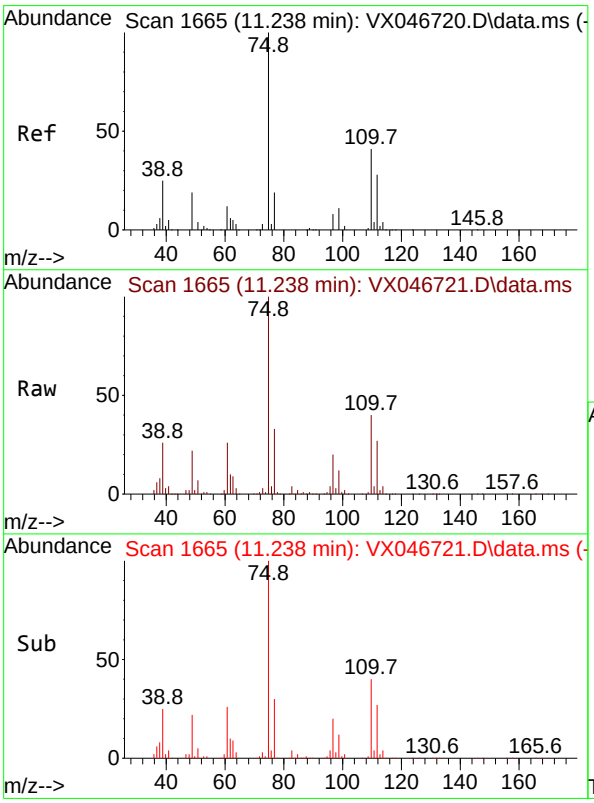

#75
1,1,2,2-Tetrachloroethane
Concen: 109.317 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 176523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 4.9 | 14.6 |
| 85 | 63.8 | 32.0 | 96.0 |

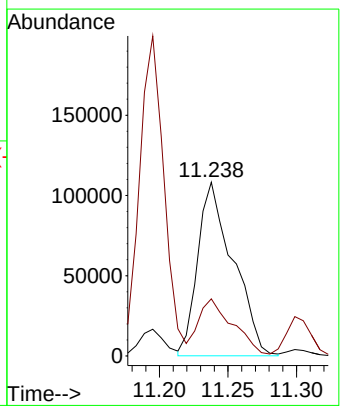


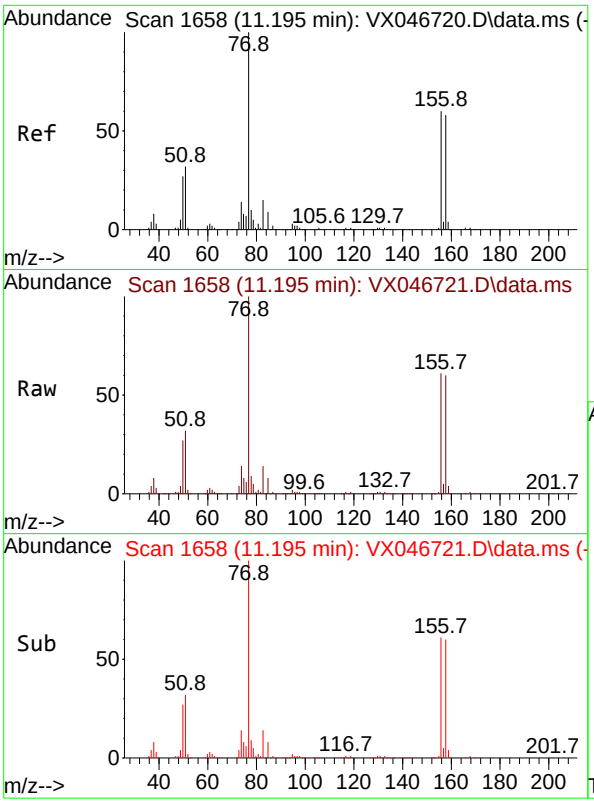




#76
1,2,3-Trichloropropane
Concen: 122.161 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 194835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 18.5 | 55.5 |



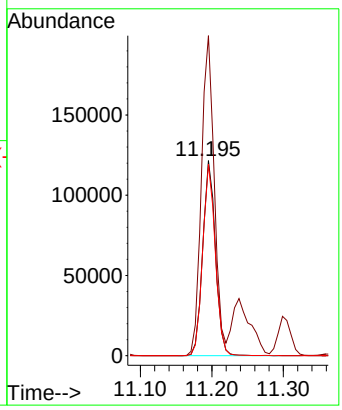


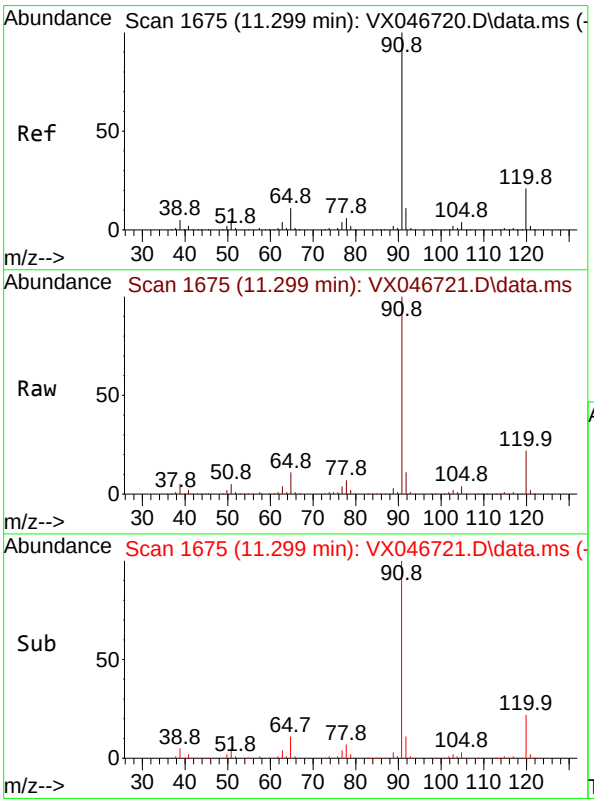

#77
Bromobenzene
Concen: 107.864 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 150110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.5 | 82.8 | 248.6 |
| 158 | 97.7 | 47.6 | 142.9 |

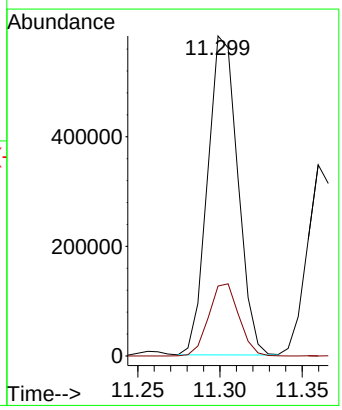


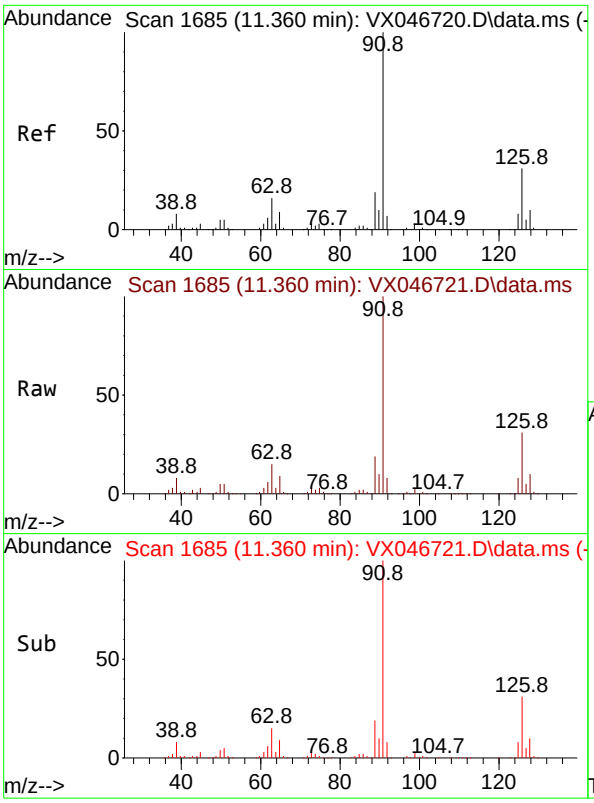




#78
n-propylbenzene
Concen: 108.310 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 743979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |



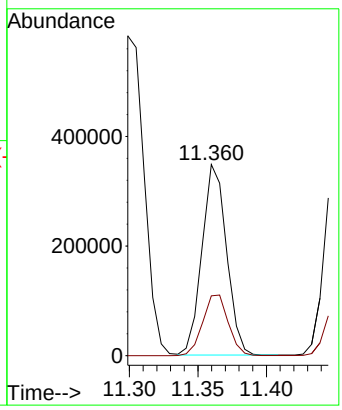


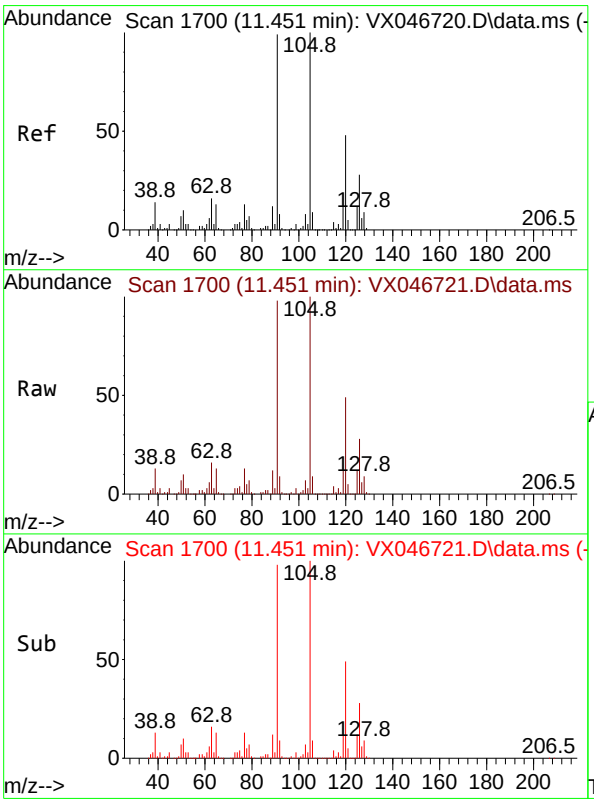

#79
2-Chlorotoluene
Concen: 106.065 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 434989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.6 | 49.7 |

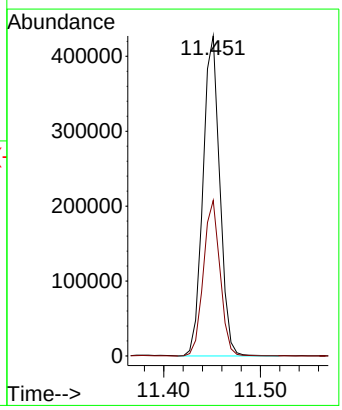


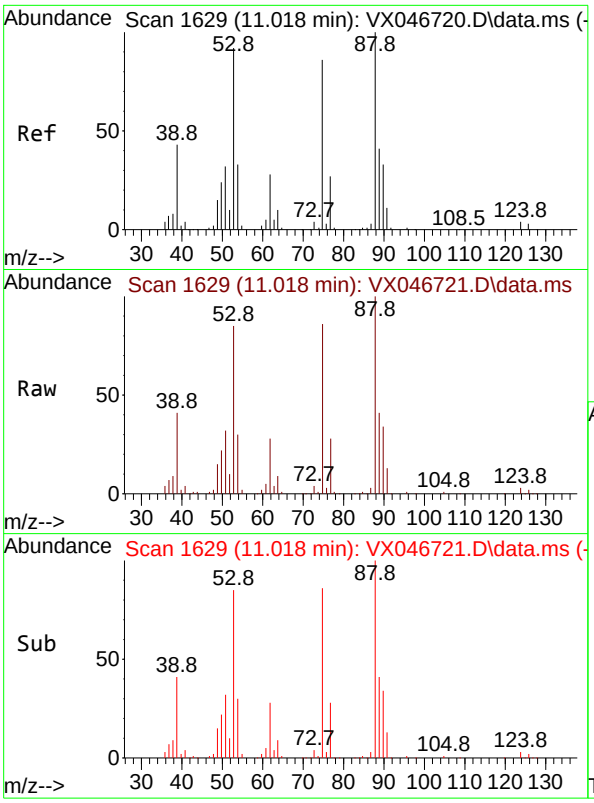




#80
1,3,5-Trimethylbenzene
Concen: 108.848 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 517286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.2 |



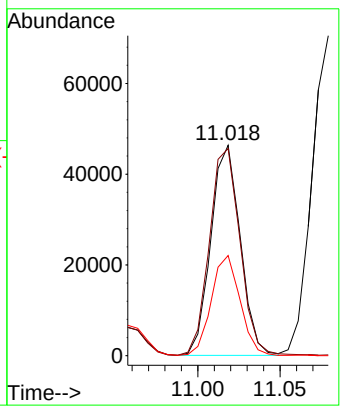


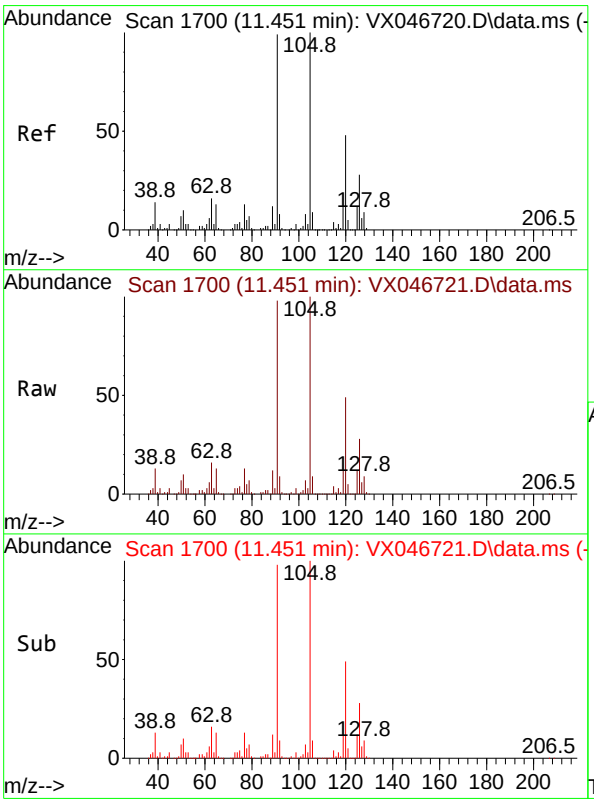

#81
trans-1,4-Dichloro-2-butene
Concen: 113.225 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 57608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 86.8 | 130.2 |
| 89 | 46.9 | 36.9 | 55.3 |

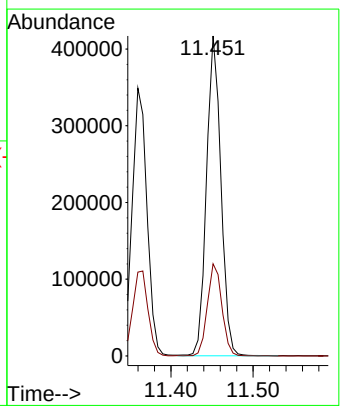


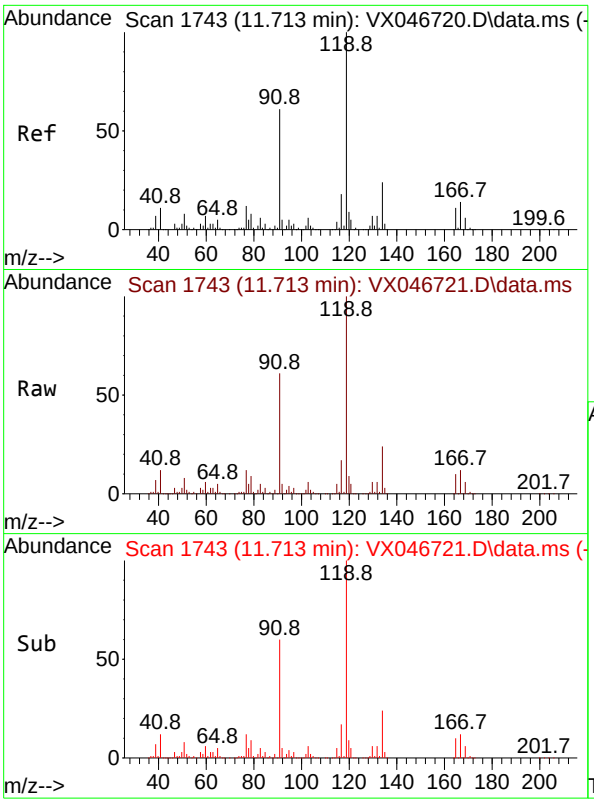




#82
4-Chlorotoluene
Concen: 105.896 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 91 Resp: 506852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |



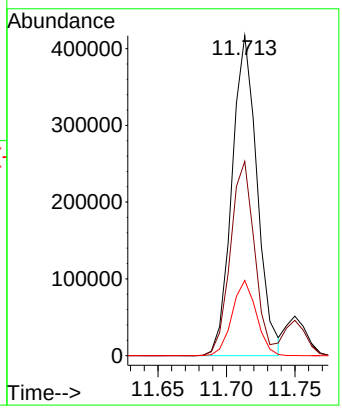


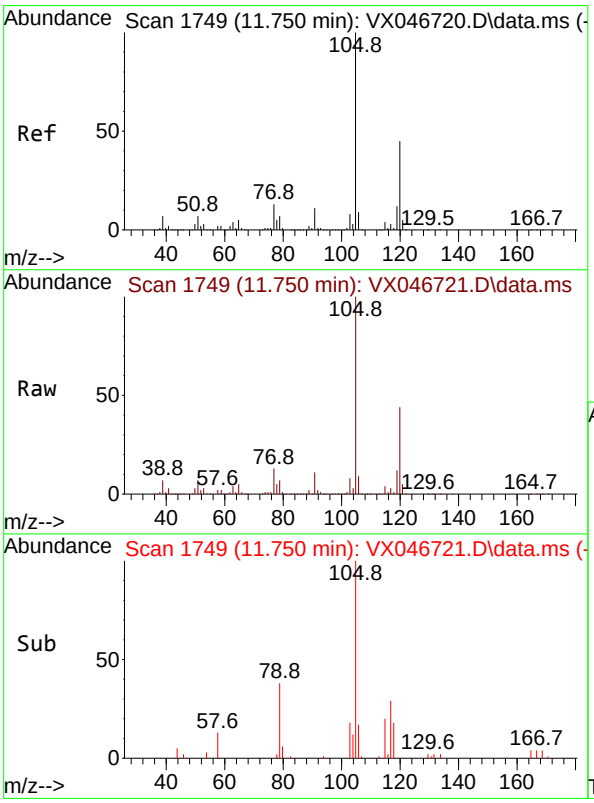

#83
tert-Butylbenzene
Concen: 108.548 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 533235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.1 | 29.5 | 88.6 |
| 134 | 22.7 | 11.7 | 35.0 |

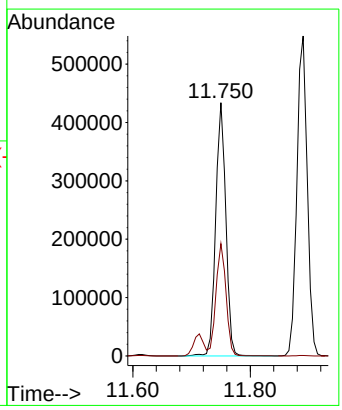


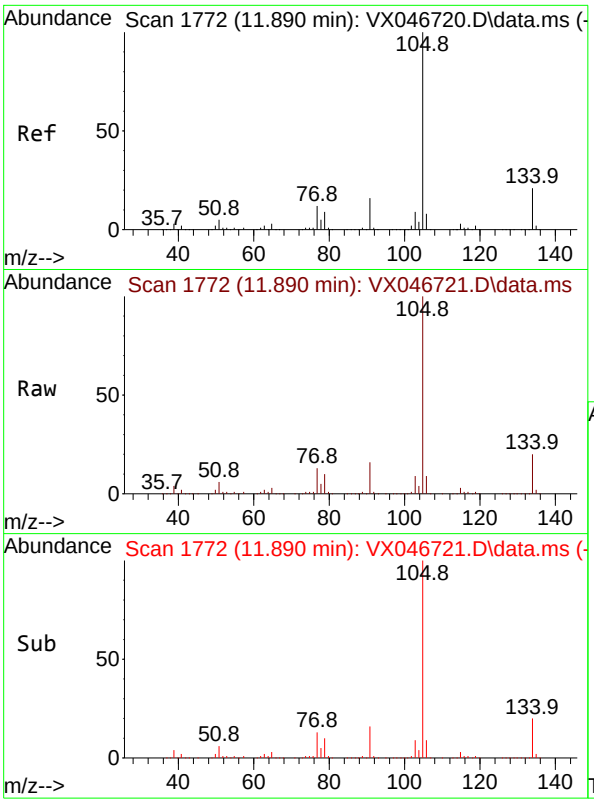




#84
1,2,4-Trimethylbenzene
Concen: 108.598 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:105 Resp: 518524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |



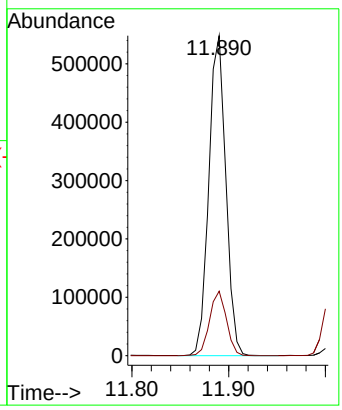


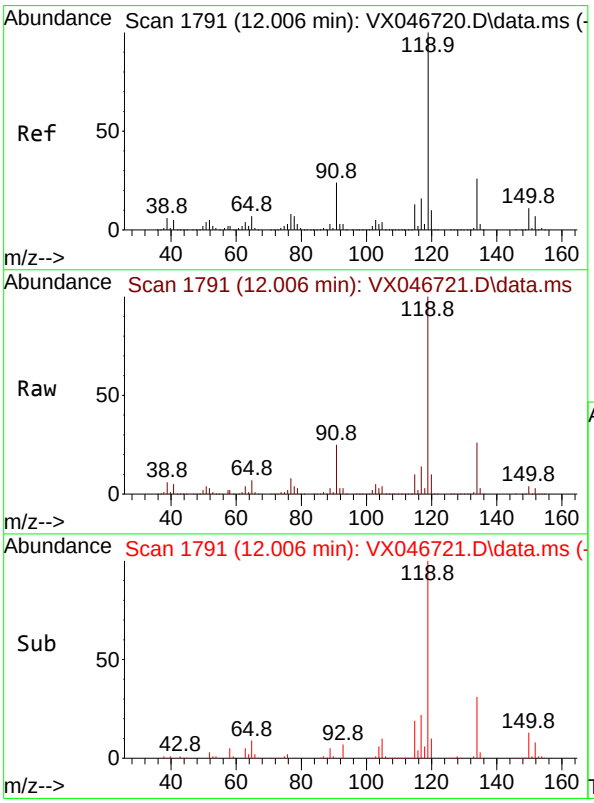

#85
sec-Butylbenzene
Concen: 108.062 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 670896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.0 | 9.8 | 29.4 |

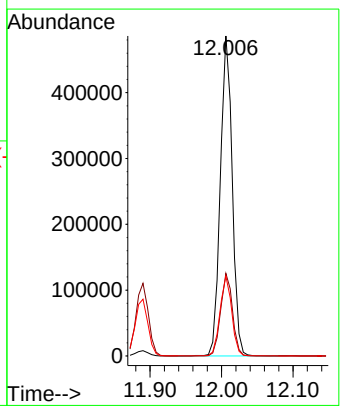


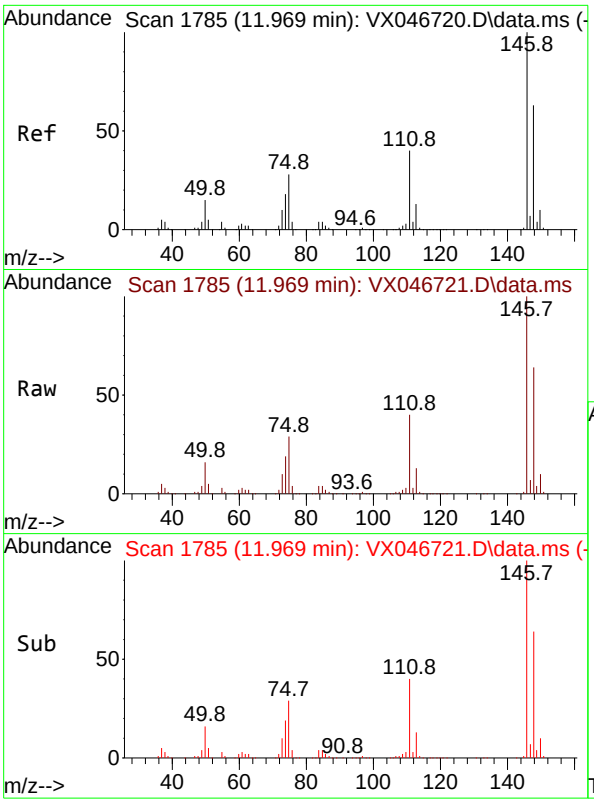




#86
p-Isopropyltoluene
Concen: 107.145 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:119 Resp: 561258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.9 | 38.7 |
| 91 | 24.7 | 12.3 | 36.9 |



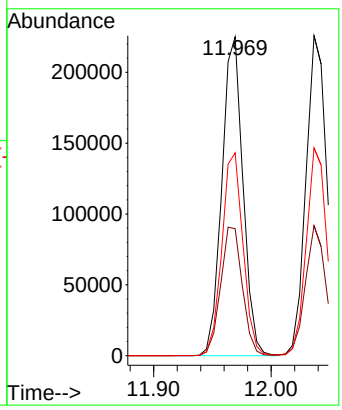


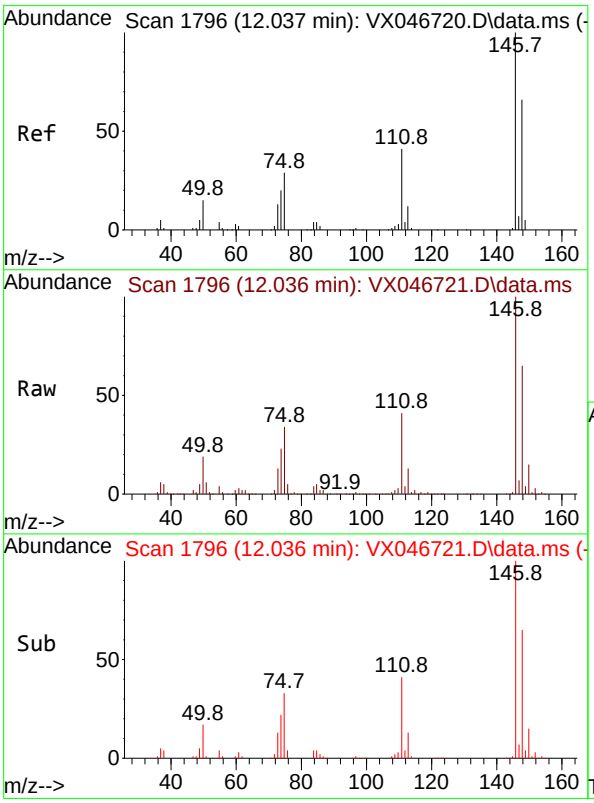

#87
1,3-Dichlorobenzene
Concen: 103.388 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 280540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.6 | 61.8 |
| 148 | 63.9 | 31.6 | 94.8 |

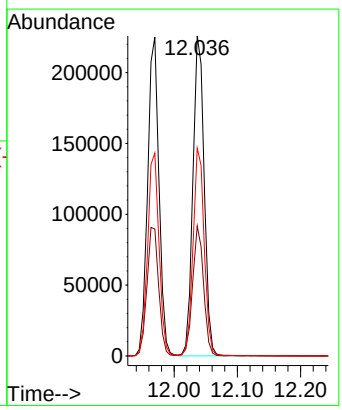


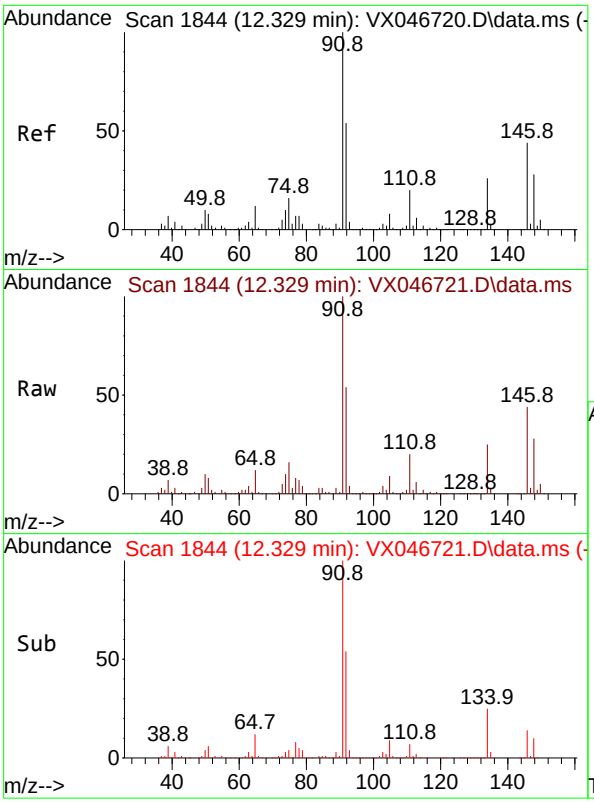




#88
1,4-Dichlorobenzene
Concen: 100.779 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:146 Resp: 280884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.3 | 61.0 |
| 148 | 63.9 | 32.1 | 96.5 |



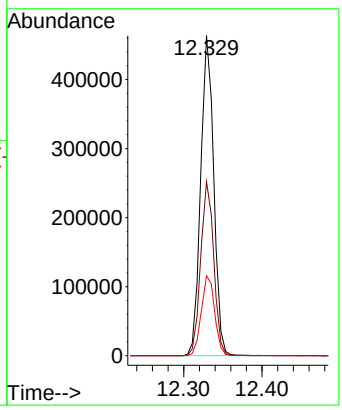


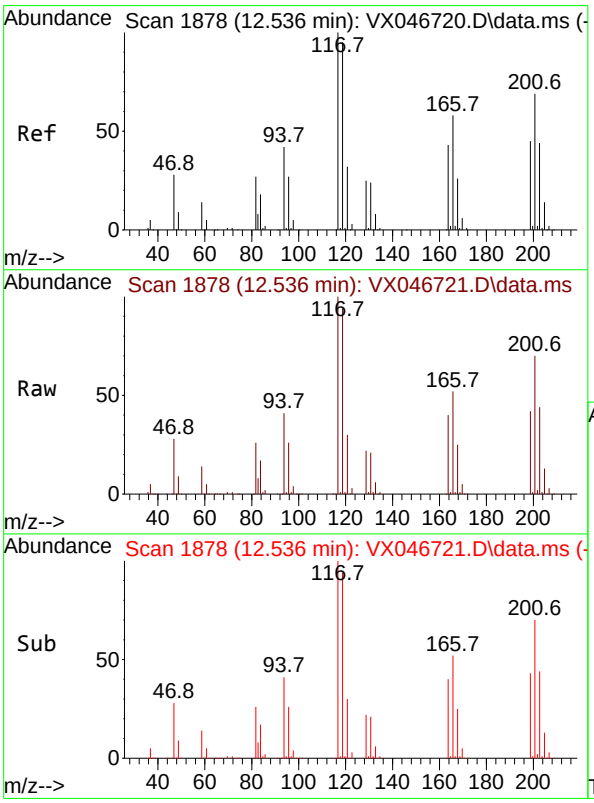

#89
n-Butylbenzene
Concen: 107.822 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 536268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |

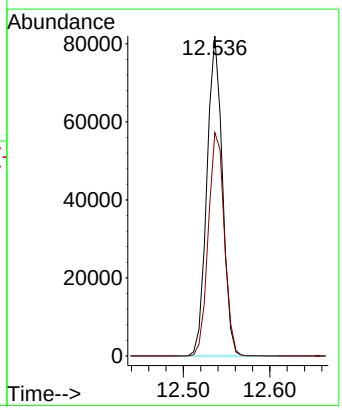


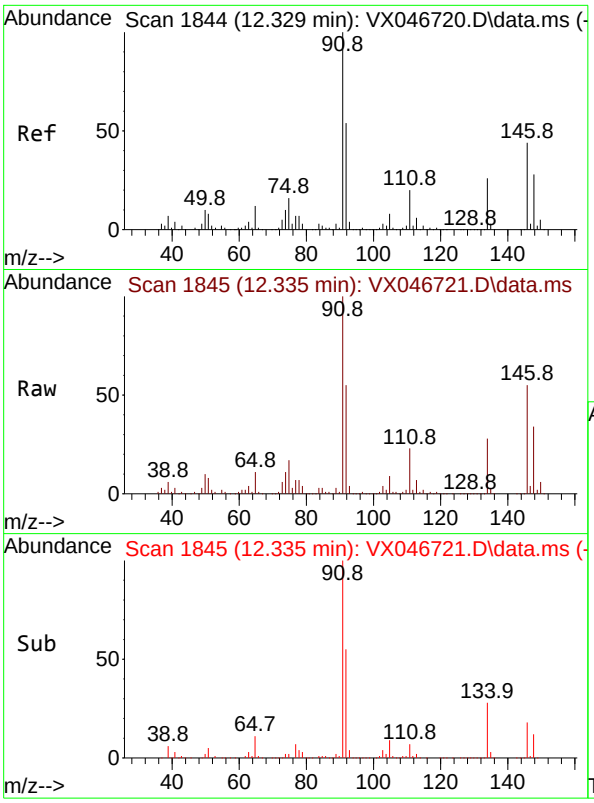




#90
Hexachloroethane
Concen: 110.811 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:117 Resp: 101647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 72.5 | 34.4 | 103.3 |



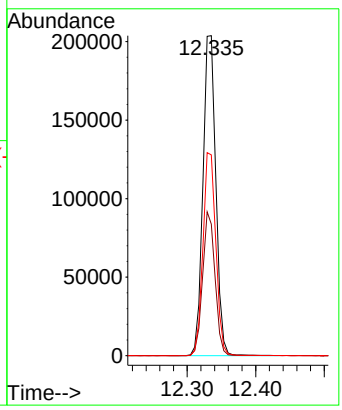


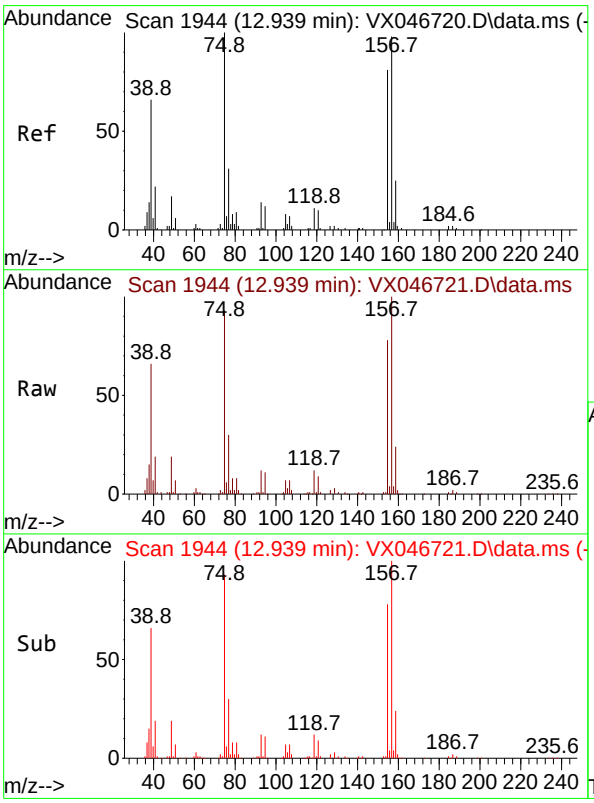

#91
1,2-Dichlorobenzene
Concen: 105.466 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 267432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |

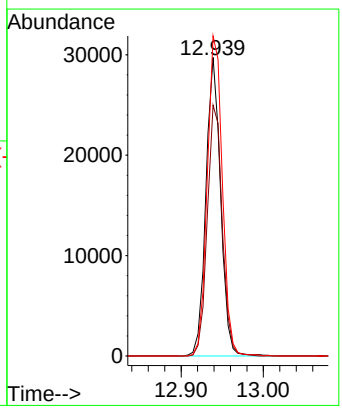


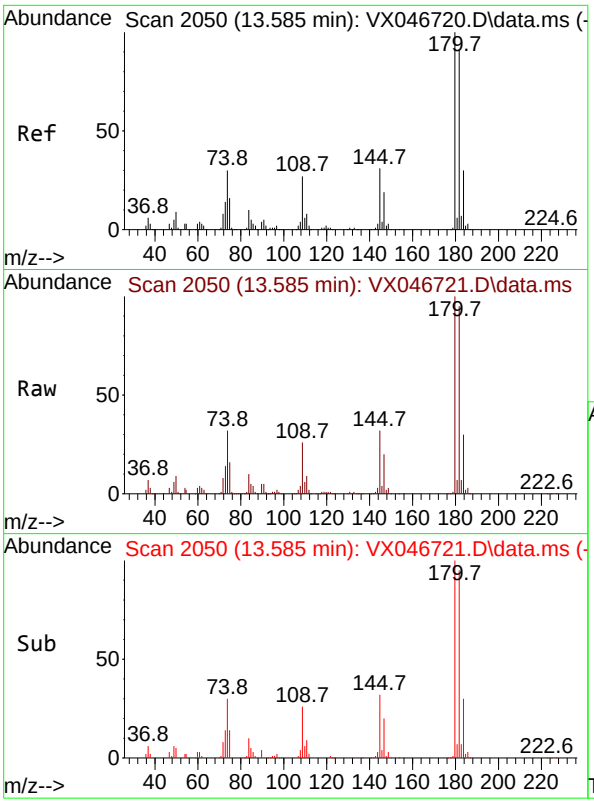




#92
1,2-Dibromo-3-Chloropropane
Concen: 115.616 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion: 75 Resp: 36858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.8 | 41.9 | 125.7 |
| 157 | 110.6 | 51.4 | 154.3 |



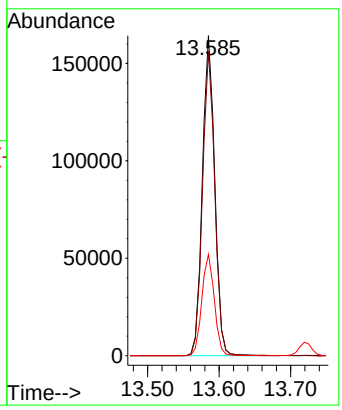


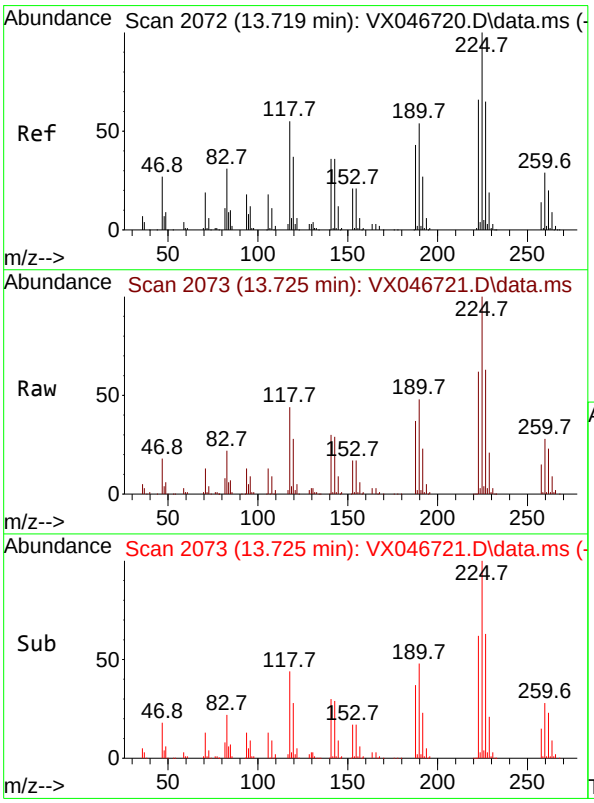

#93
1,2,4-Trichlorobenzene
Concen: 109.119 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 196715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 46.7 | 140.1 |
| 145 | 32.0 | 15.8 | 47.4 |

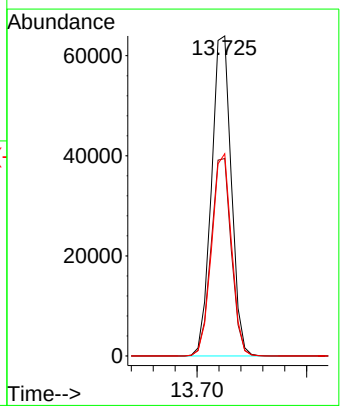


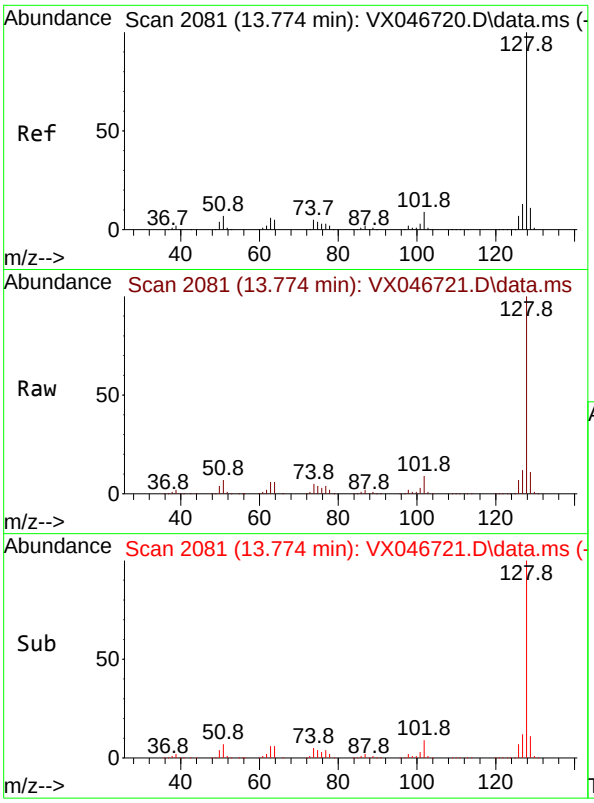




#94
Hexachlorobutadiene
Concen: 106.029 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:225 Resp: 80407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 32.5 | 97.5 |
| 227 | 63.0 | 32.2 | 96.6 |



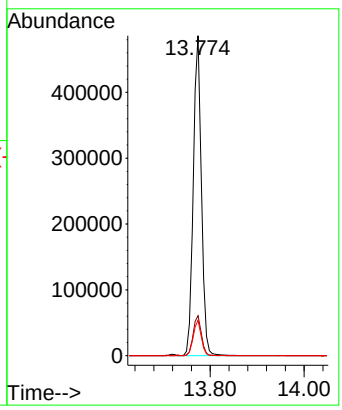


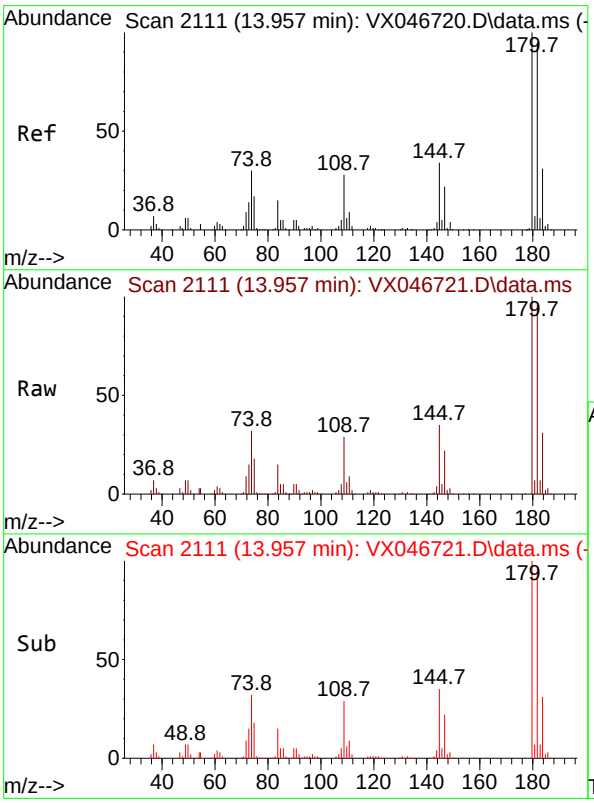

#95
Naphthalene
Concen: 114.468 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 587914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

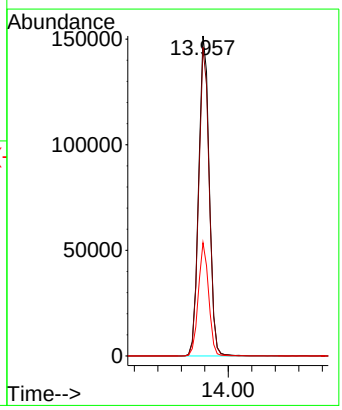



#96
1,2,3-Trichlorobenzene
Concen: 109.861 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046721.D
Acq: 17 Jun 2025 14:41

Tgt Ion:180 Resp: 189473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 47.8 | 143.4 |
| 145 | 34.4 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 107848 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 178346 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 156970 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 75829 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 230915 | 154.797 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 309.600%# | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 187536 | 158.930 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 317.860%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 660221 | 155.733 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 311.460%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 244007 | 154.404 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 308.800%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 193321 | 167.898 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 202755 | 163.144 | ug/l | 97 |
| 4) Vinyl Chloride | 1.386 | 62 | 208285 | 157.161 | ug/l | 96 |
| 5) Bromomethane | 1.612 | 94 | 90708 | 121.652 | ug/l | 97 |
| 6) Chloroethane | 1.691 | 64 | 123323 | 153.530 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 314552 | 156.313 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 108801 | 157.544 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 192071 | 155.583 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 243423 | 148.201 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 111150 | 830.155 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 188770 | 158.466 | ug/l | 97 |
| 13) Acrolein | 2.246 | 56 | 156844 | 804.238 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 340117 | 157.583 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 477449 | 793.036 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 378554 | 760.980 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 535657 | 148.907 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 209349 | 165.695 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 585091 | 157.742 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 201983 | 146.004 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 192490 | 151.016 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 638477 | 153.904 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 2691267 | 815.794 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 360395 | 153.006 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 570672 | 811.132 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 286713 | 166.896 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 227788 | 152.112 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 161801 | 151.520 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 370760 | 815.879 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 358782 | 152.312 | ug/l | 99 |
| 31) Cyclohexane | 5.483 | 56 | 330235 | 147.842 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 320382 | 155.082 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 256619 | 150.653 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 245724 | 156.284 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 284066 | 153.668 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 346118 | 154.413 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 763341 | 151.423 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 142283 | 169.745 | ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 265740 | 150.011 | ug/l | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 412067 | 167.483 | ug/l | 99 |
| 44) Trichloroethene | 7.129 | 130 | 195943 | 152.520 | ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 191181 | 153.025 | ug/l | 95 |
| 46) Dibromomethane | 7.580 | 93 | 138541 | 154.297 | ug/l | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 288826 | 157.630 | ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 211908 | 171.734 | ug/l | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 54646 | 2987.386 | ug/l | 96 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1173666 | 799.825 | ug/l | 100 |
| 52) Toluene | 8.720 | 92 | 471273 | 150.800 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 288893 | 169.929 | ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 314965 | 163.198 | ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 175973 | 151.099 | ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 288720 | 167.940 | ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 301418 | 150.290 | ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 754730 | 845.118 | ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 816655 | 805.005 | ug/l | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 215347 | 156.904 | ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 185268 | 156.392 | ug/l | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 159752 | 146.895 | ug/l | 98 |
| 65) Chlorobenzene | 10.080 | 112 | 517859 | 149.453 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 181981 | 156.268 | ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 915724 | 151.251 | ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 676085 | 299.697 | ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 328782 | 155.514 | ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 566606 | 153.143 | ug/l | 100 |
| 71) Bromoform | 10.799 | 173 | 143229 | 161.498 | ug/l | 100 |
| 73) Isopropylbenzene | 10.964 | 105 | 867728 | 155.374 | ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 369757 | 174.748 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 244406 | 156.730 | ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 277006 | 179.850 | ug/l | 91 |
| 77) Bromobenzene | 11.195 | 156 | 207348 | 154.285 | ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 1025742 | 154.633 | ug/l | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 595555 | 150.373 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 707005 | 154.053 | ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 86677 | 176.408 | ug/l | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 697556 | 150.915 | ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 735750 | 155.093 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 719283 | 155.994 | ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 916769 | 152.910 | ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 771998 | 152.610 | ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 391049 | 149.232 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 387139 | 143.836 | ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 726563 | 151.271 | ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 142663 | 161.049 | ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 370234 | 151.192 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 54014 | 175.448 | ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 263803 | 151.531 | ug/l | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 95520 | 130.431 | ug/l | 100 |
| 95) Naphthalene | 13.774 | 128 | 846206 | 170.609 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 262348 | 157.517 | ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

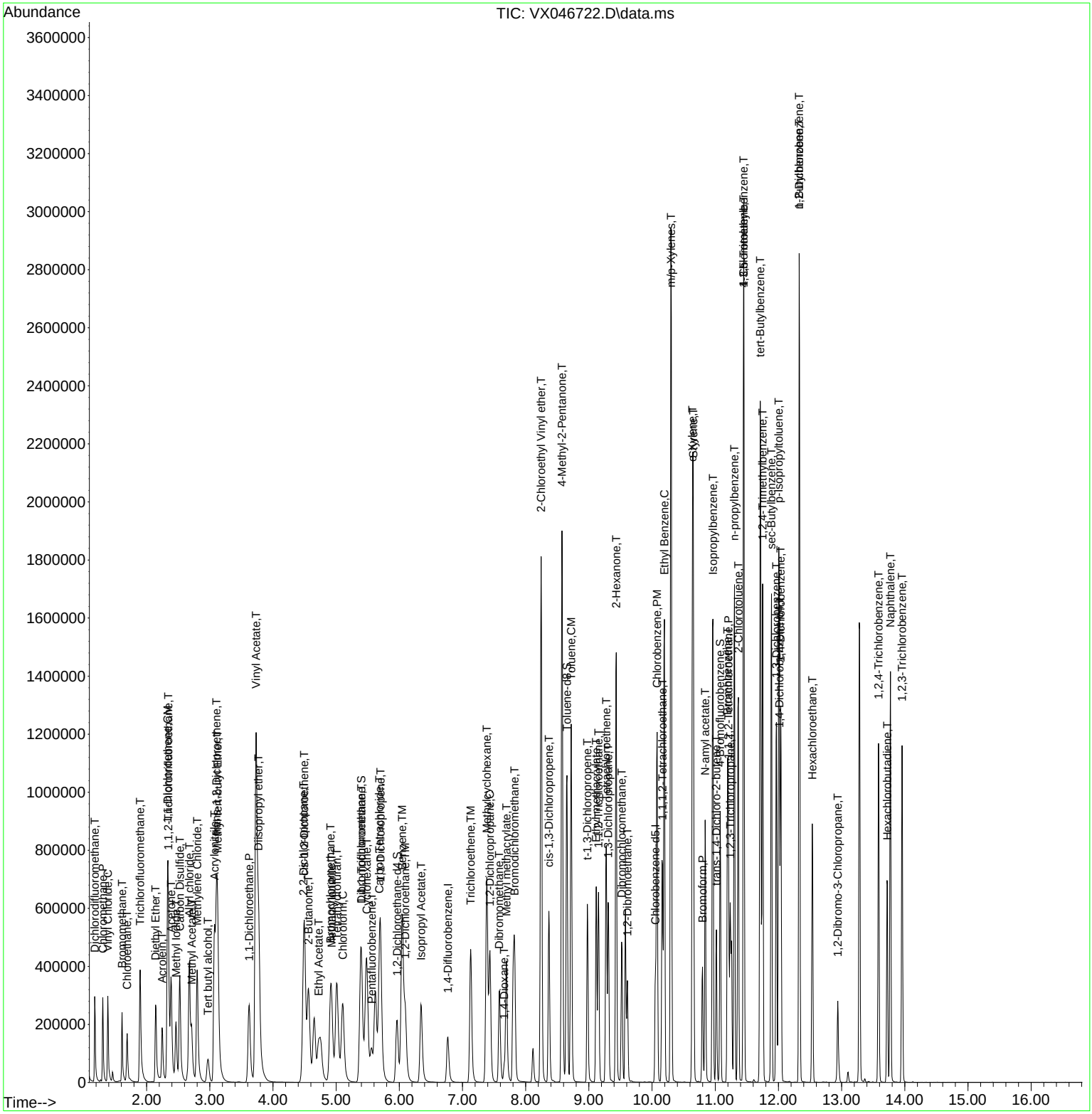
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

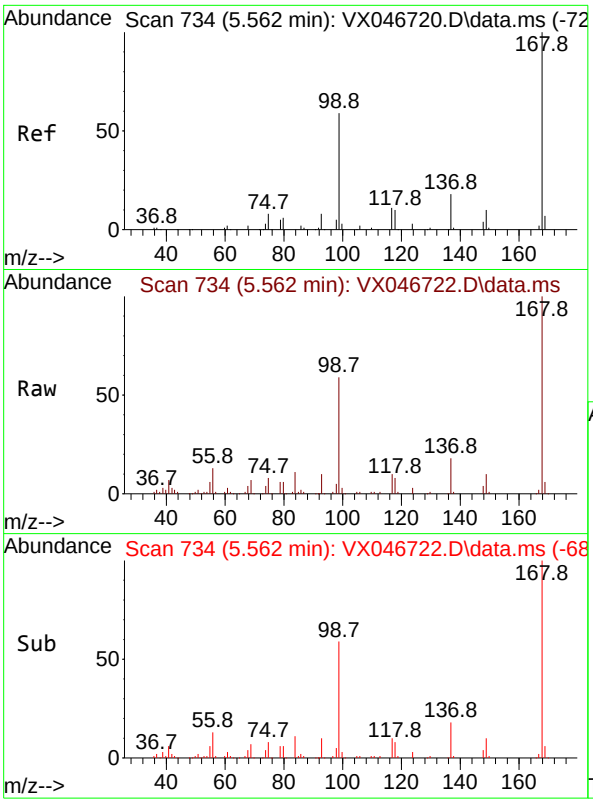
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



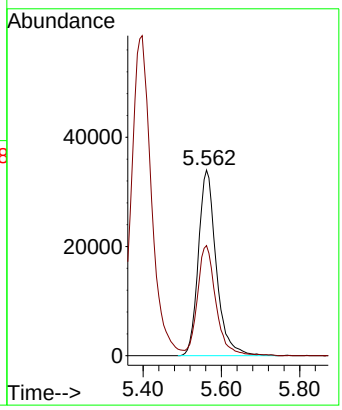


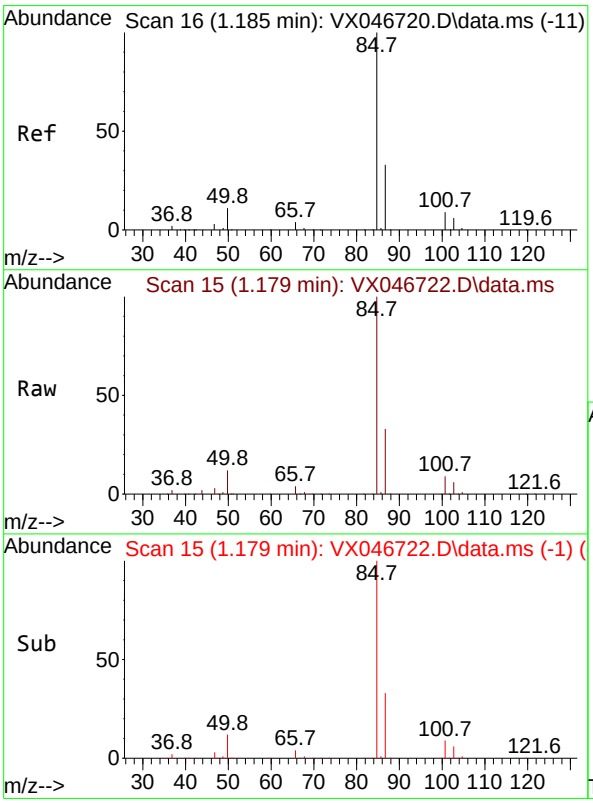

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 107848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.3 | 48.5 | 72.7 |

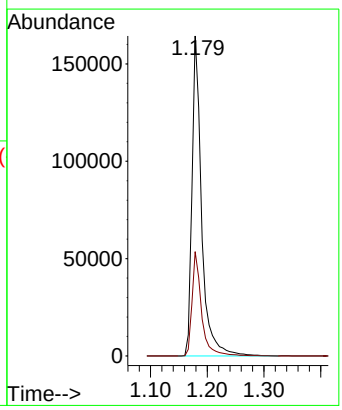


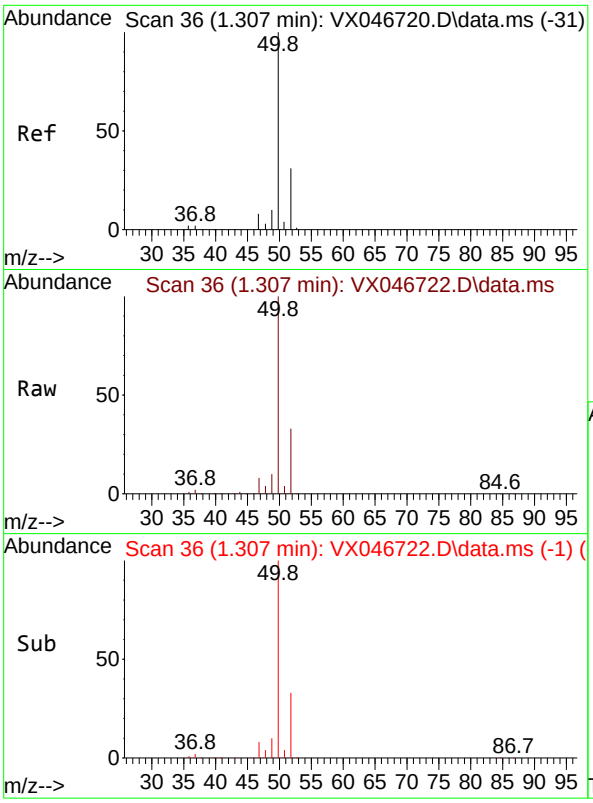




#2
Dichlorodifluoromethane
Concen: 167.898 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 85 Resp: 193321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |



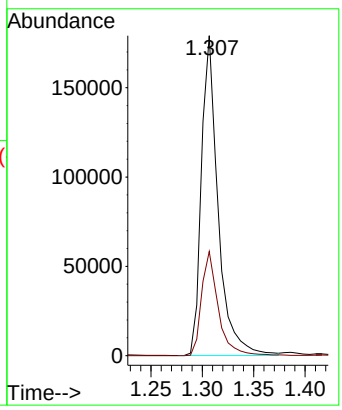


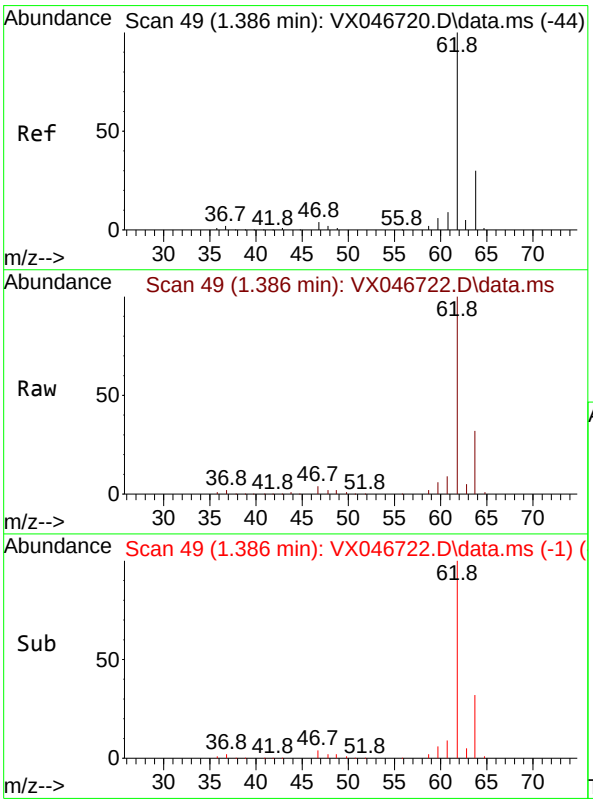

#3
Chloromethane
Concen: 163.144 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 202755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 24.9 | 37.3 |

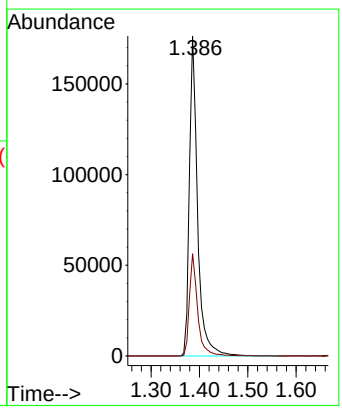


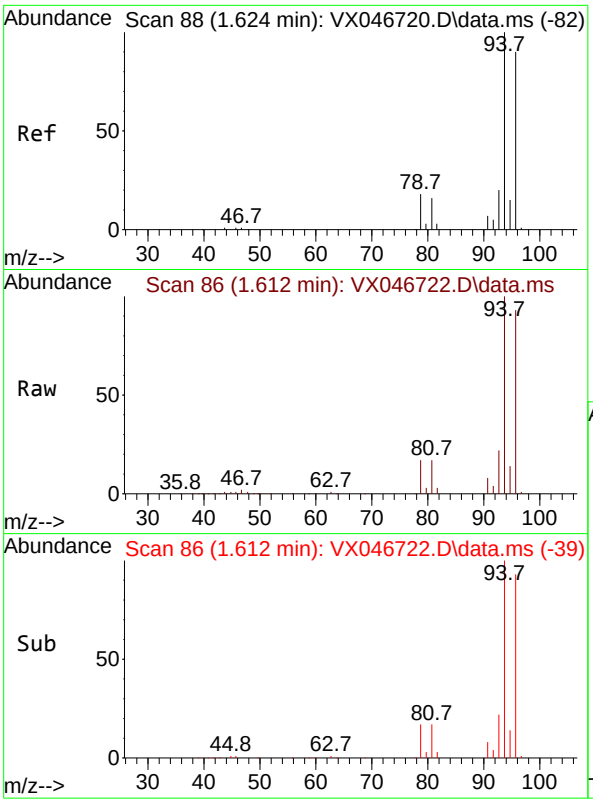




#4
Vinyl Chloride
Concen: 157.161 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 62 Resp: 208285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 23.9 | 35.9 |



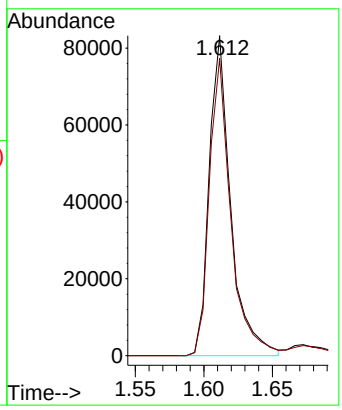


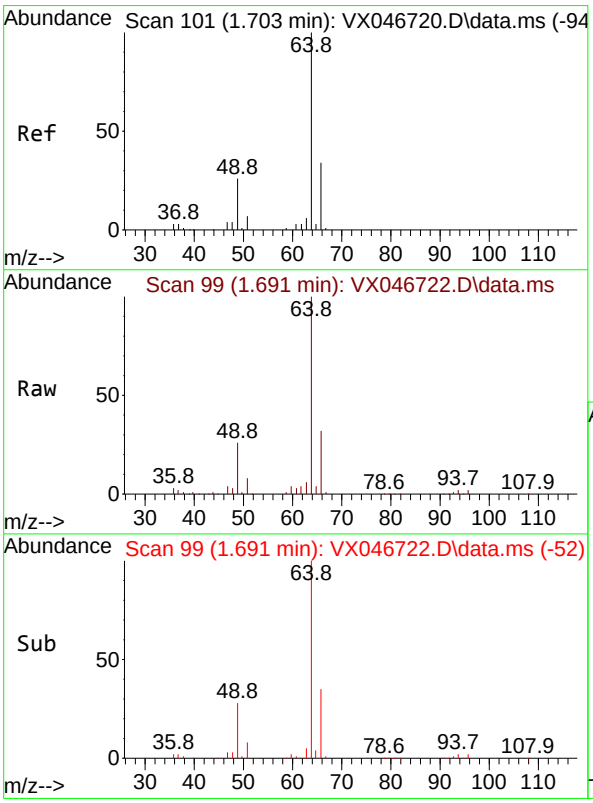

#5
Bromomethane
Concen: 121.652 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 90708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.9 | 72.3 | 108.5 |

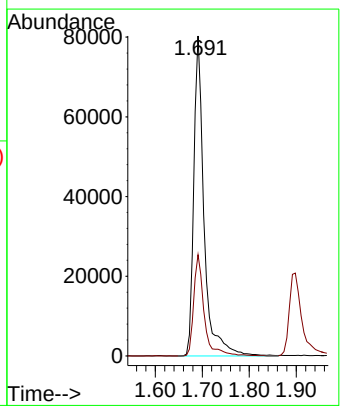


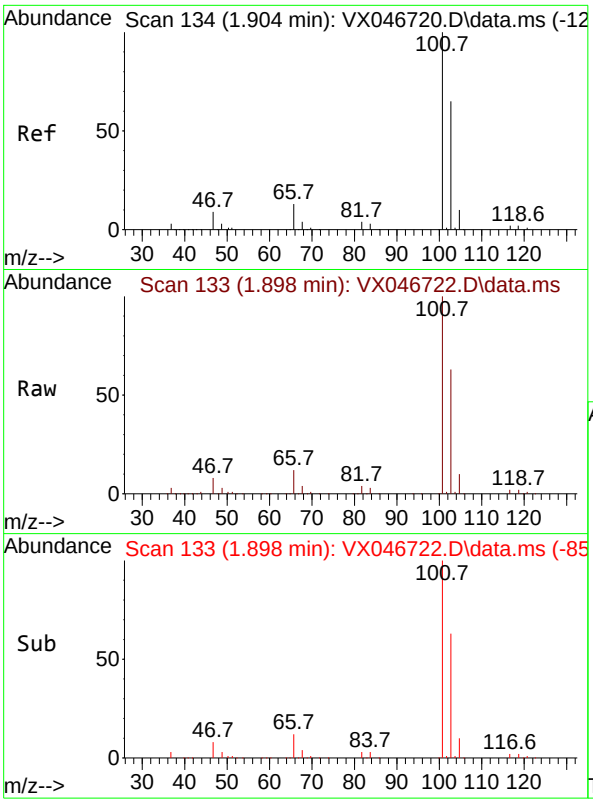




#6
Chloroethane
Concen: 153.530 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 64 Resp: 123323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 27.1 | 40.7 |



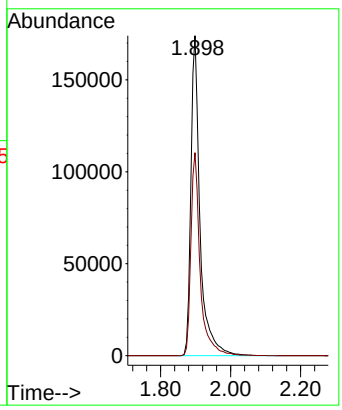


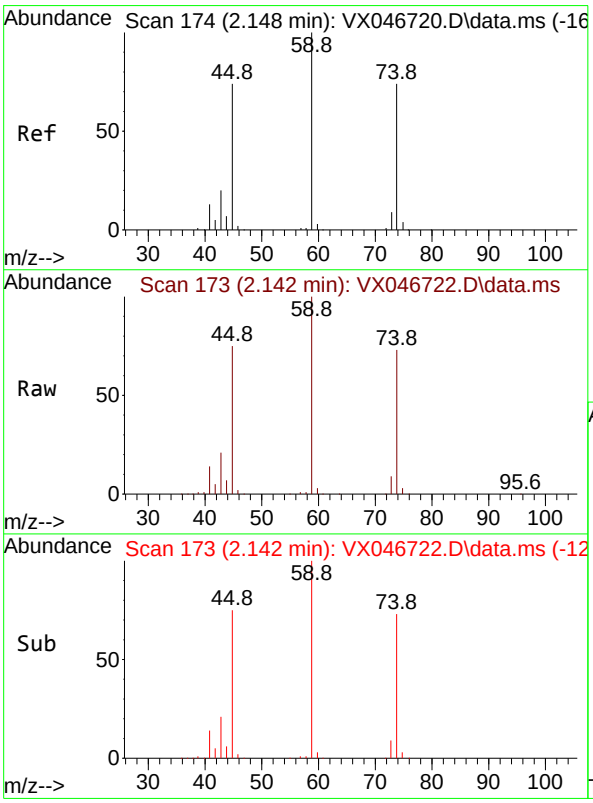

#7
Trichlorofluoromethane
Concen: 156.313 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 314552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.4 | 51.8 | 77.8 |

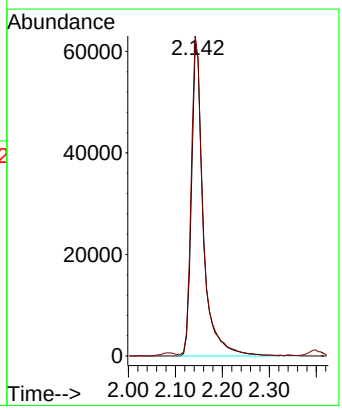


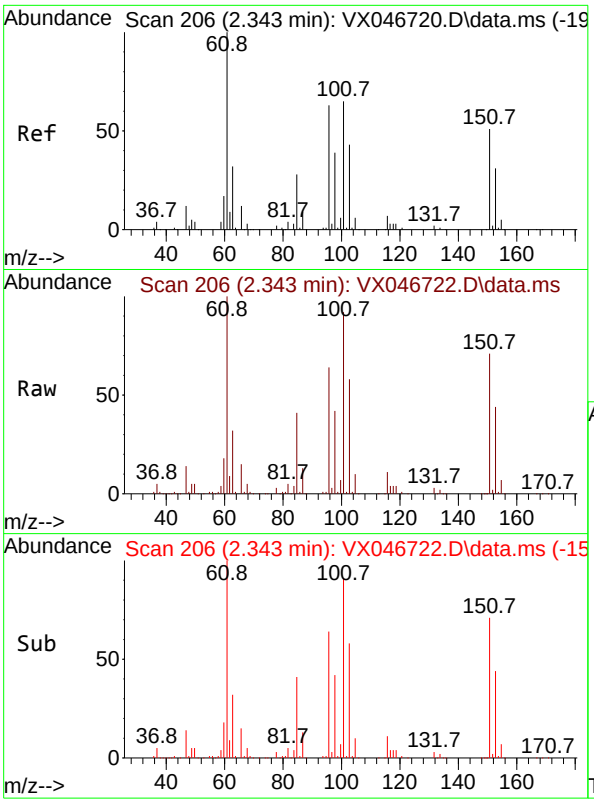




#8
Diethyl Ether
Concen: 157.544 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 74 Resp: 108801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.4 | 52.3 | 157.1 |



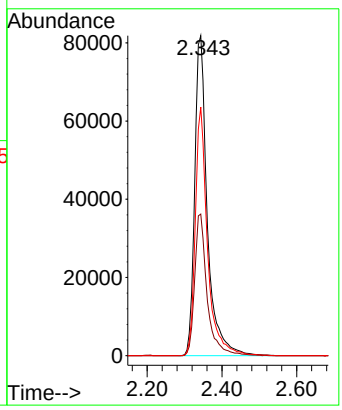


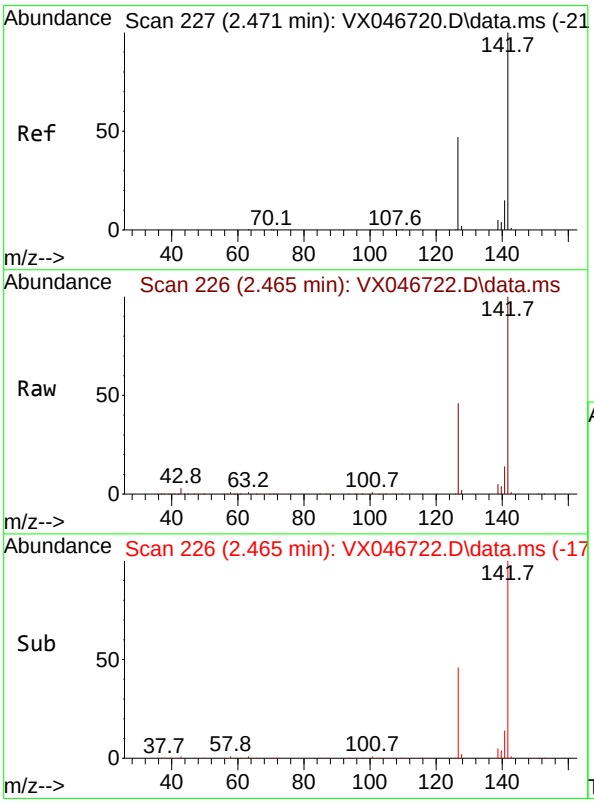

#9
1,1,2-Trichlorotrifluoroethane
Concen: 155.583 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 192071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 75.4 | 61.2 | 91.8 |

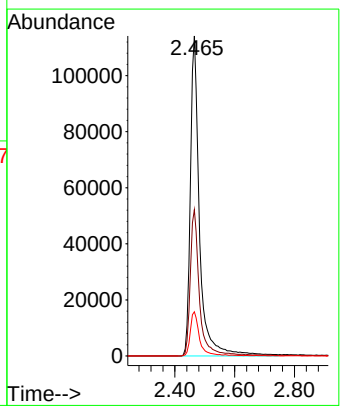


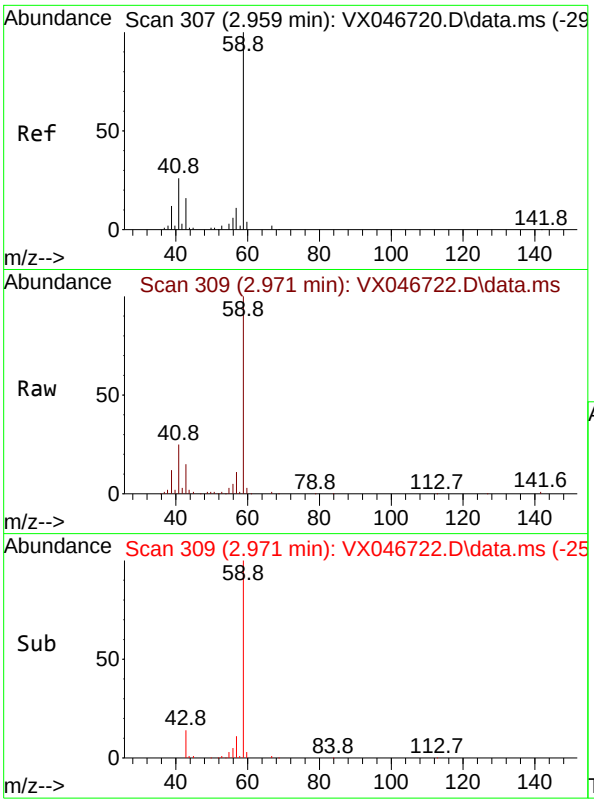




#10
Methyl Iodide
Concen: 148.201 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:142 Resp: 243423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.5 | 37.0 | 55.6 |
| 141 | 13.6 | 11.5 | 17.3 |



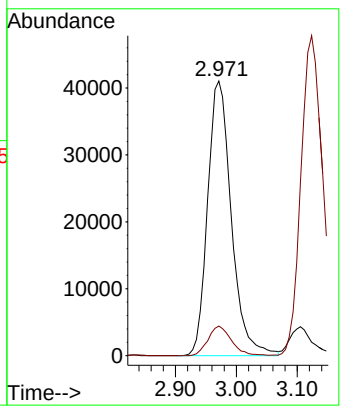


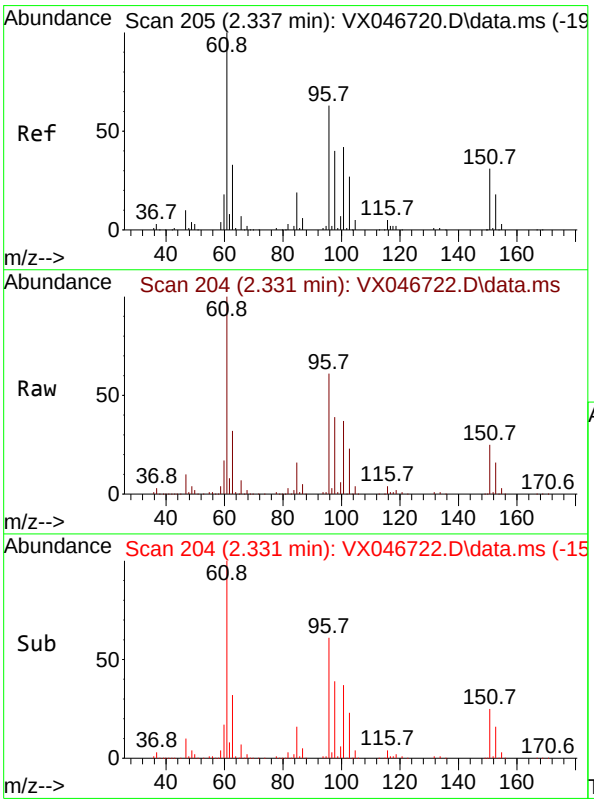

#11
Tert butyl alcohol
Concen: 830.155 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 111150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

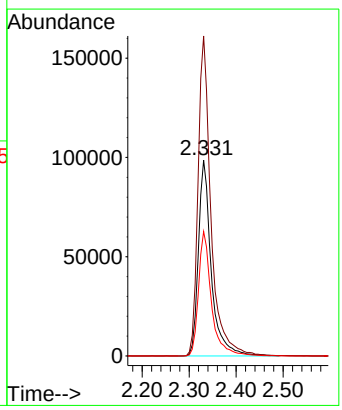


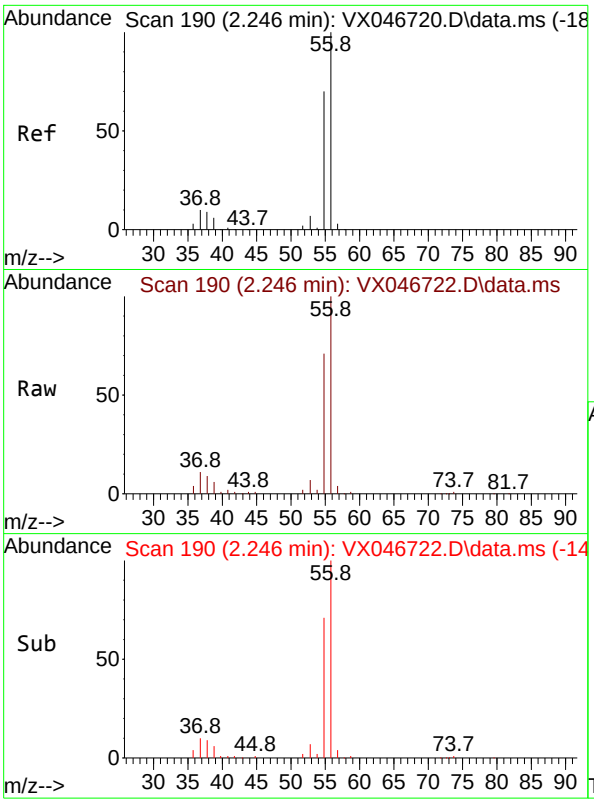




#12
1,1-Dichloroethene
Concen: 158.466 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 96 Resp: 188770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.4 | 126.6 | 189.8 |
| 98 | 63.6 | 50.7 | 76.1 |



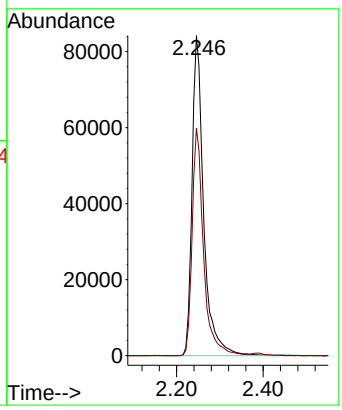


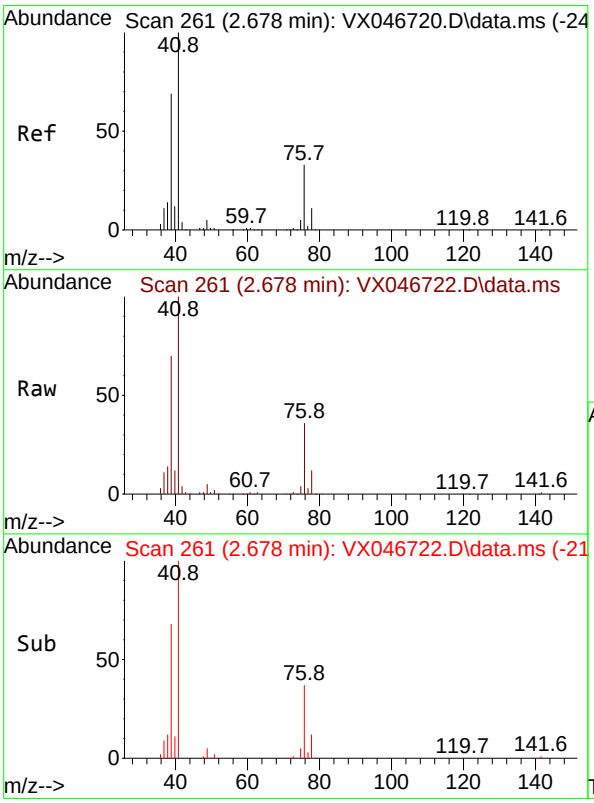

#13
Acrolein
Concen: 804.238 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 156844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 55.2 | 82.8 |

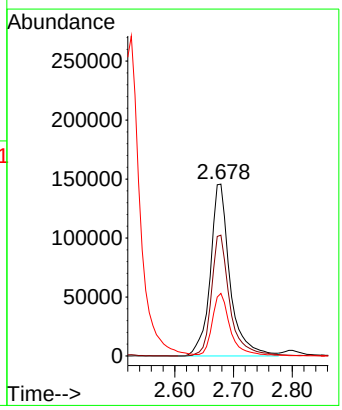


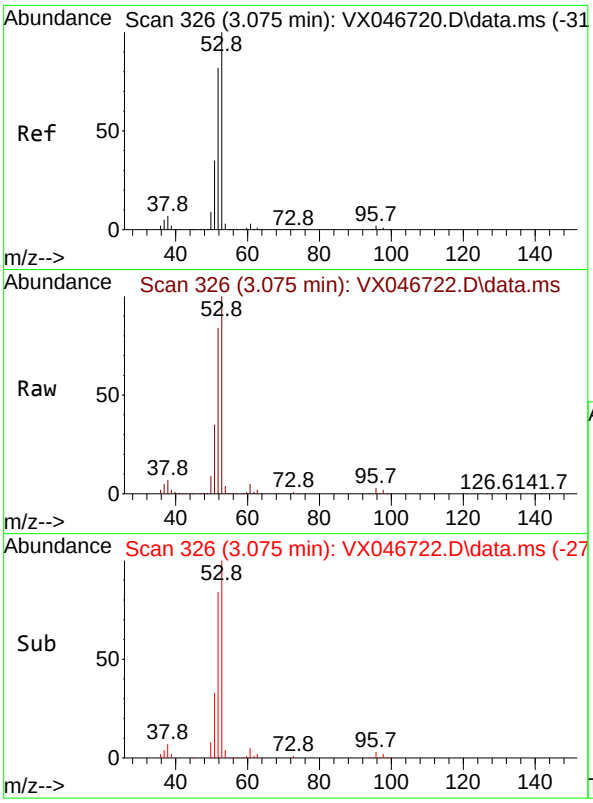




#14
Allyl chloride
Concen: 157.583 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 41 Resp: 340117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.9 | 53.6 | 80.4 |
| 76 | 33.6 | 26.8 | 40.2 |



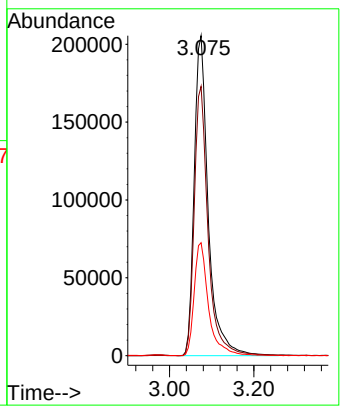


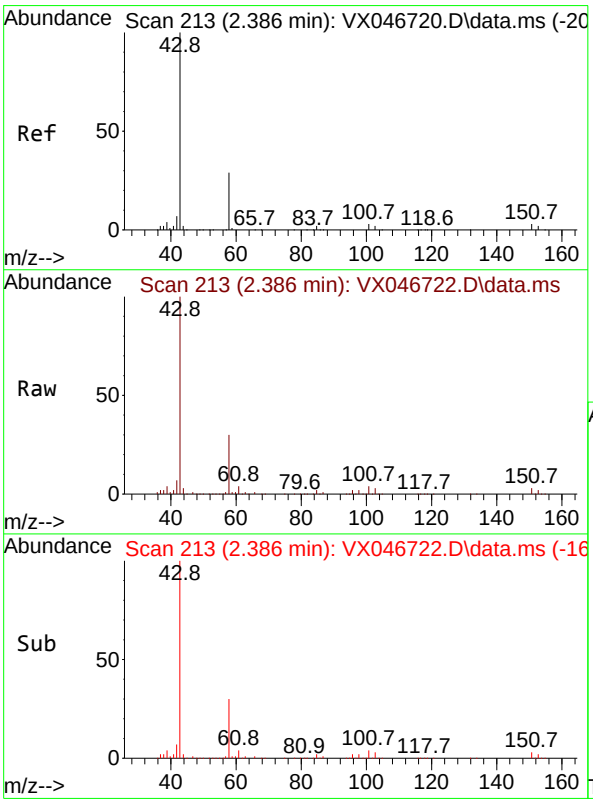

#15
Acrylonitrile
Concen: 793.036 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 477449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.3 | 28.9 | 43.3 |

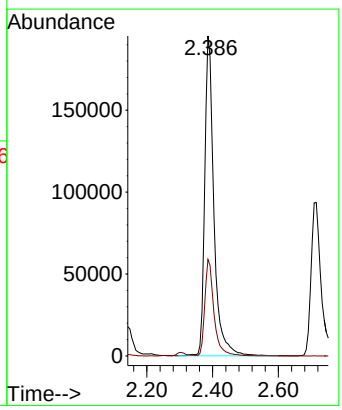


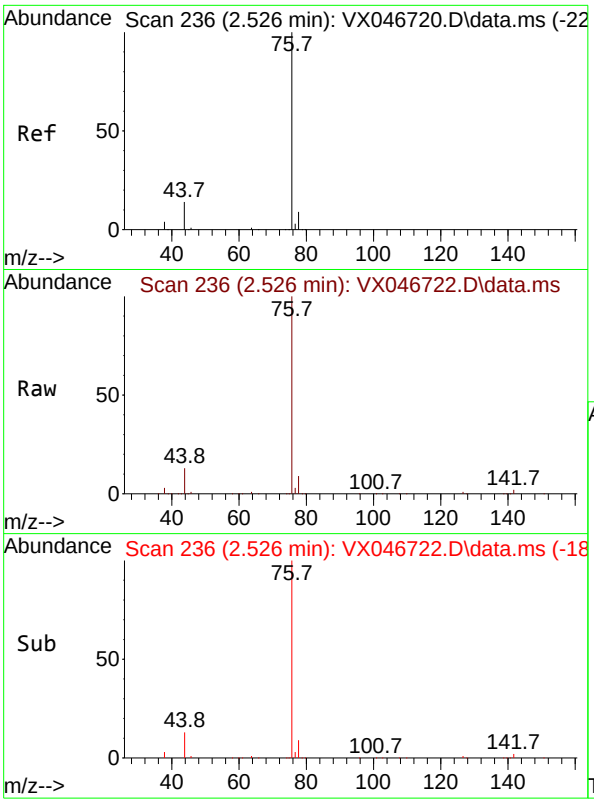




#16
Acetone
Concen: 760.980 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 378554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |



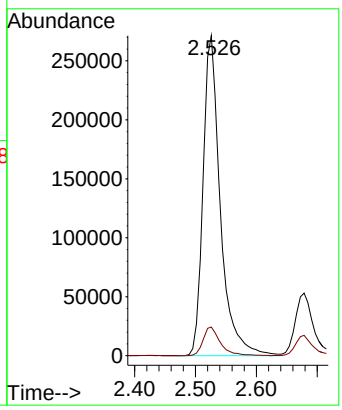


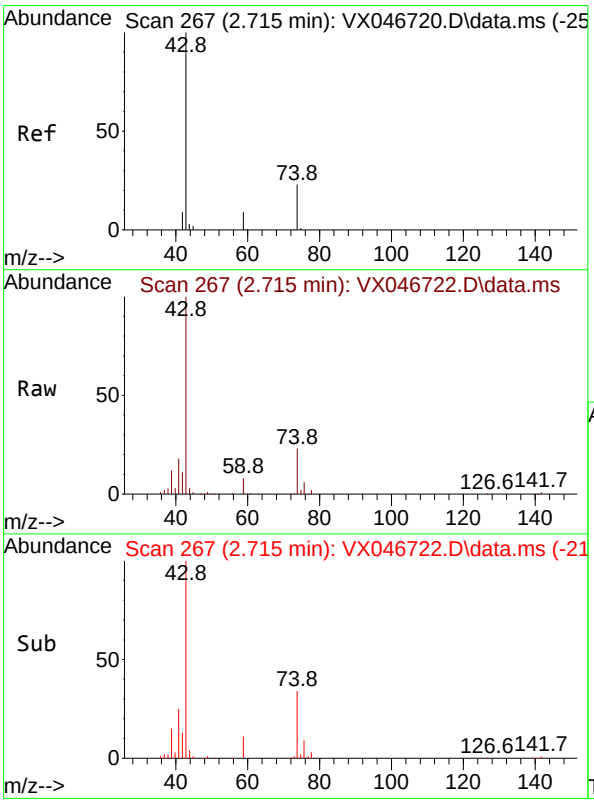

#17
Carbon Disulfide
Concen: 148.907 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 535657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.5 | 11.3 |

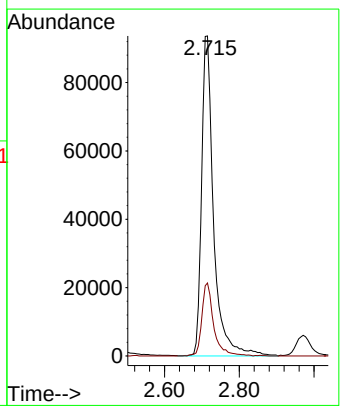


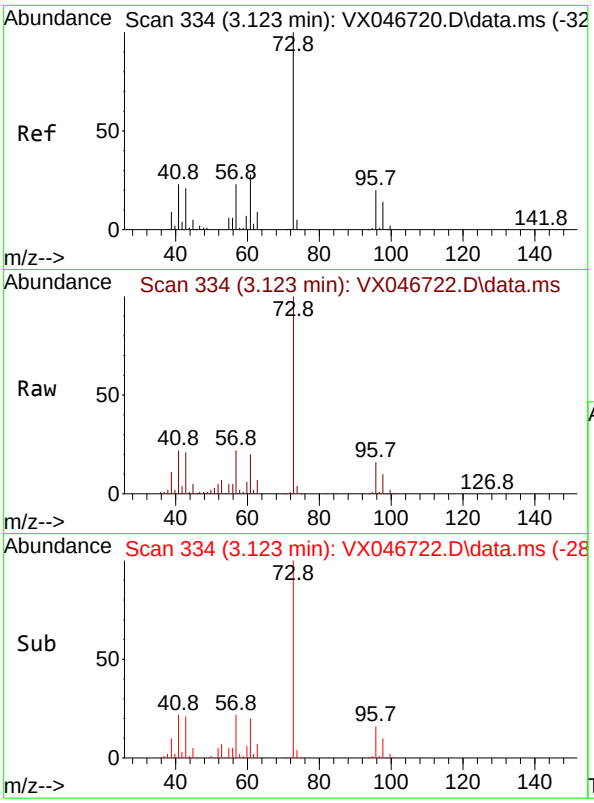




#18
Methyl Acetate
Concen: 165.695 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 209349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.4 | 18.4 | 27.6 |



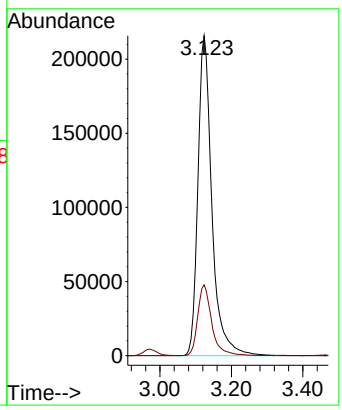


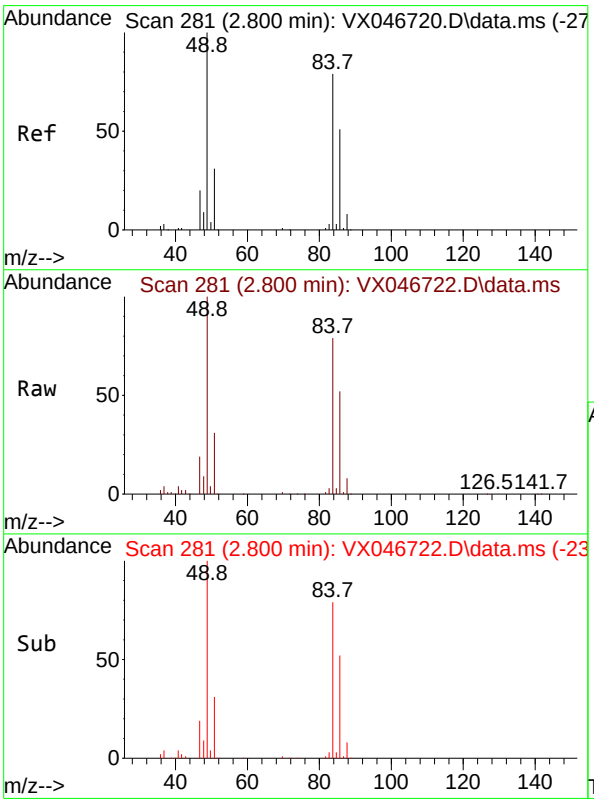

#19
Methyl tert-butyl Ether
Concen: 157.742 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 585091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 18.2 | 27.2 |

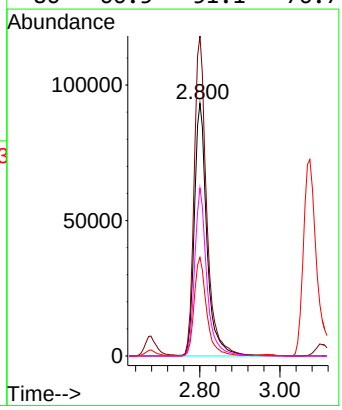


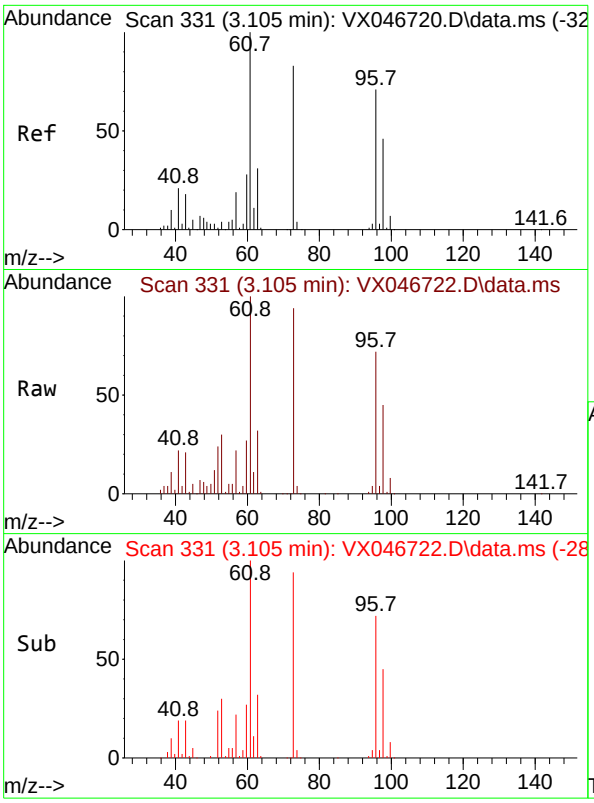




#20
Methylene Chloride
Concen: 146.004 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 84 Resp: 201983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 101.3 | 151.9 |
| 51 | 39.0 | 31.0 | 46.6 |
| 86 | 66.5 | 51.1 | 76.7 |



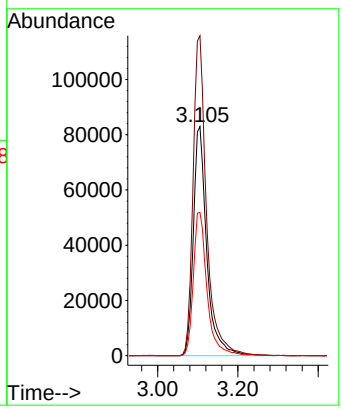


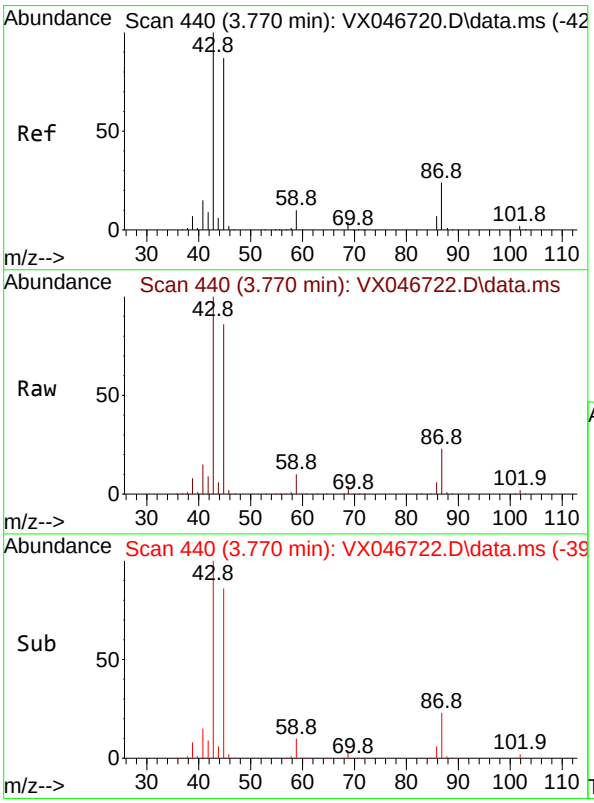

#21
trans-1,2-Dichloroethene
Concen: 151.016 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 192490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 112.5 | 168.7 |
| 98 | 62.5 | 51.9 | 77.9 |

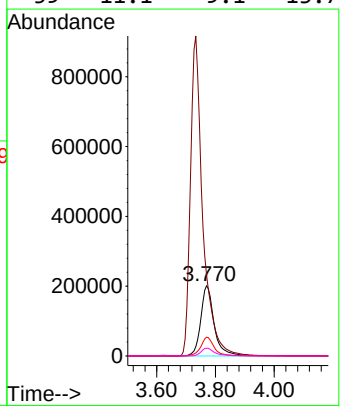


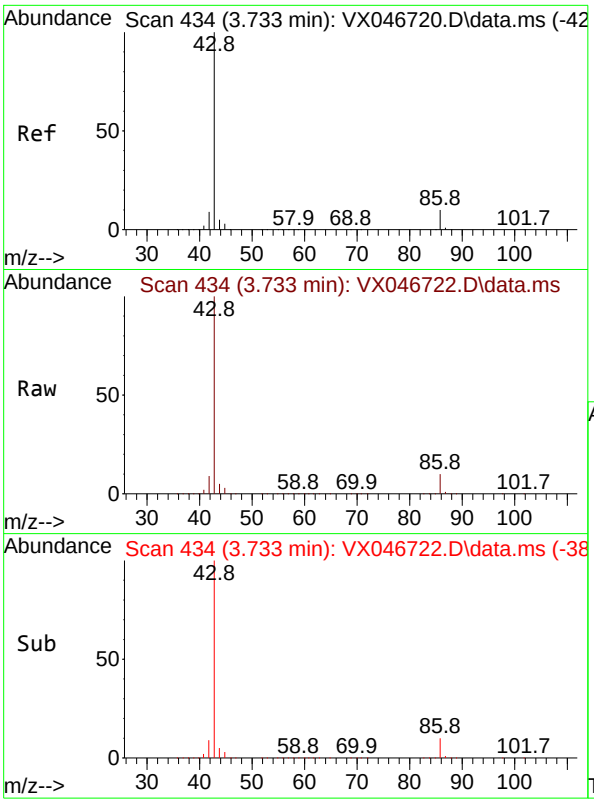




#22
Diisopropyl ether
Concen: 153.904 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 45 Resp: 638477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 115.7 | 91.9 | 137.9 |
| 87 | 26.6 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |



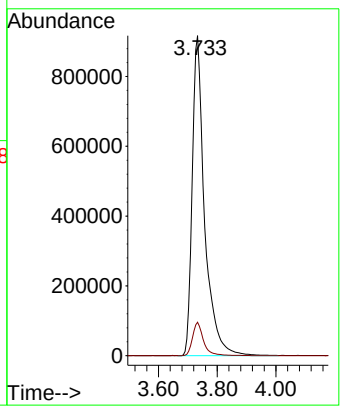


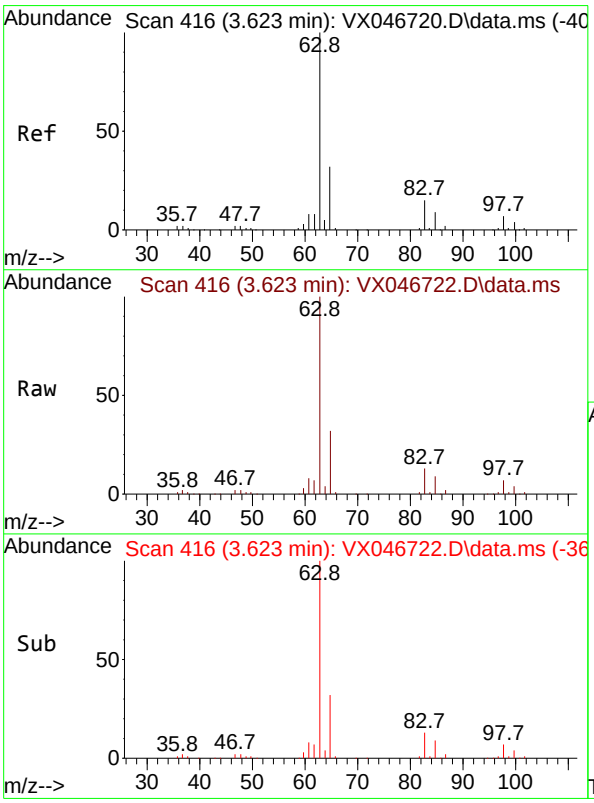

#23
Vinyl Acetate
Concen: 815.794 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 2691267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.2 | 12.2 |

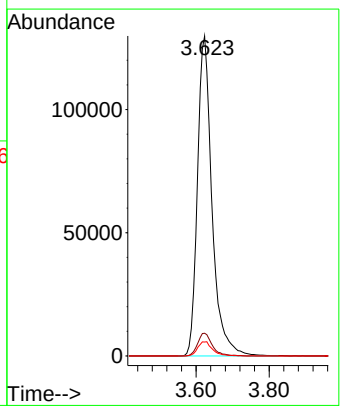


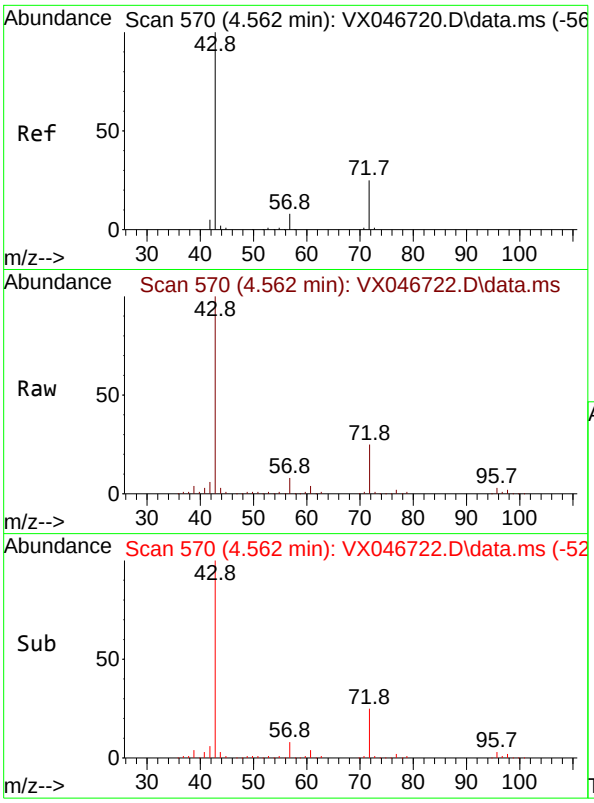




#24
1,1-Dichloroethane
Concen: 153.006 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 63 Resp: 360395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 4.0 | 11.9 |
| 100 | 4.3 | 2.2 | 6.6 |



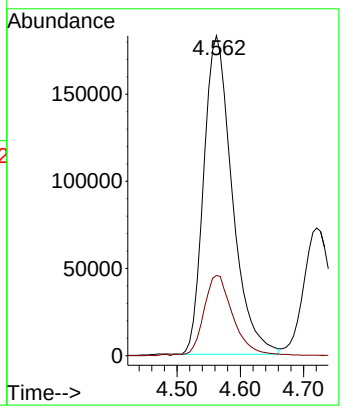


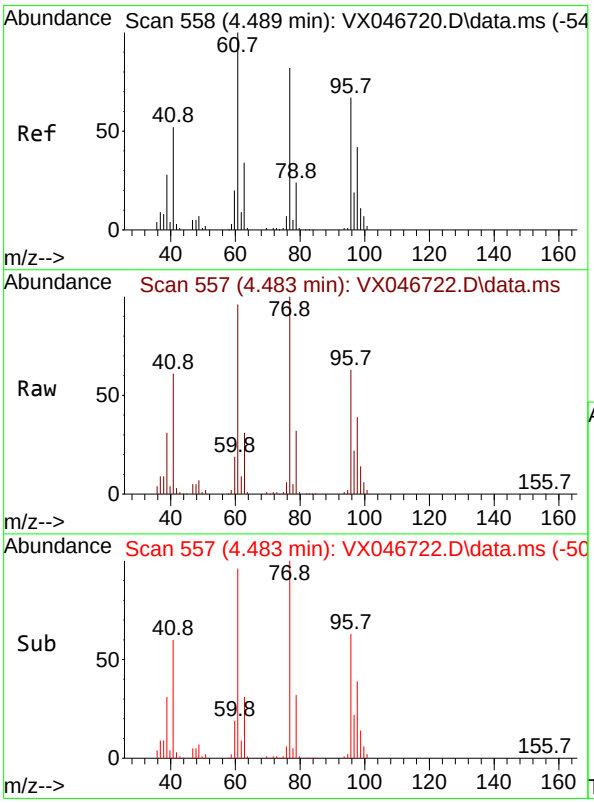

#25
2-Butanone
Concen: 811.132 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 570672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 20.2 | 30.4 |

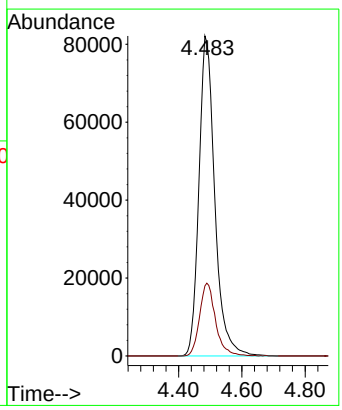


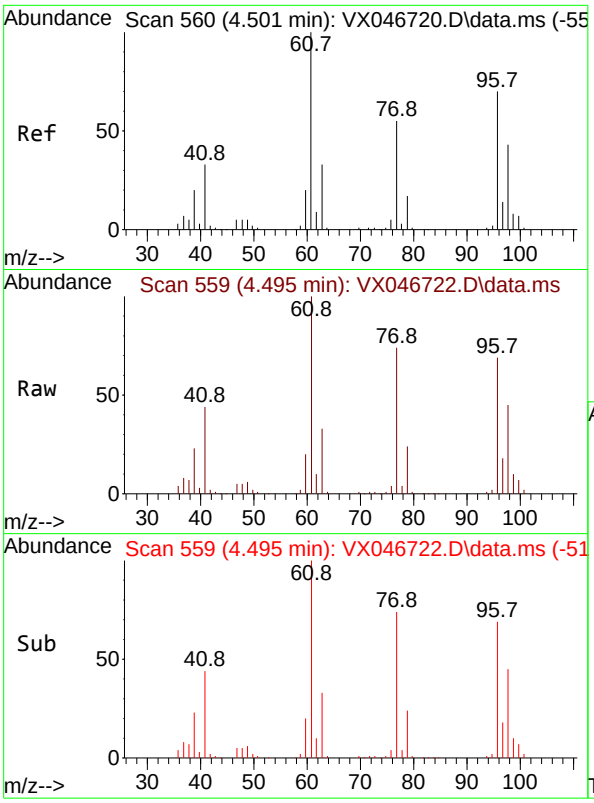




#26
2,2-Dichloropropane
Concen: 166.896 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 77 Resp: 286713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |



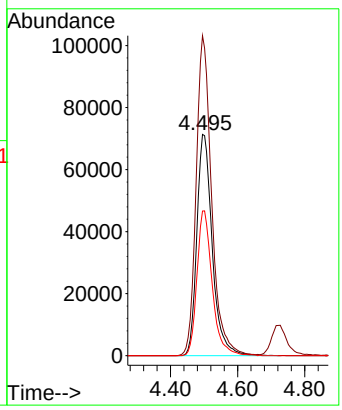


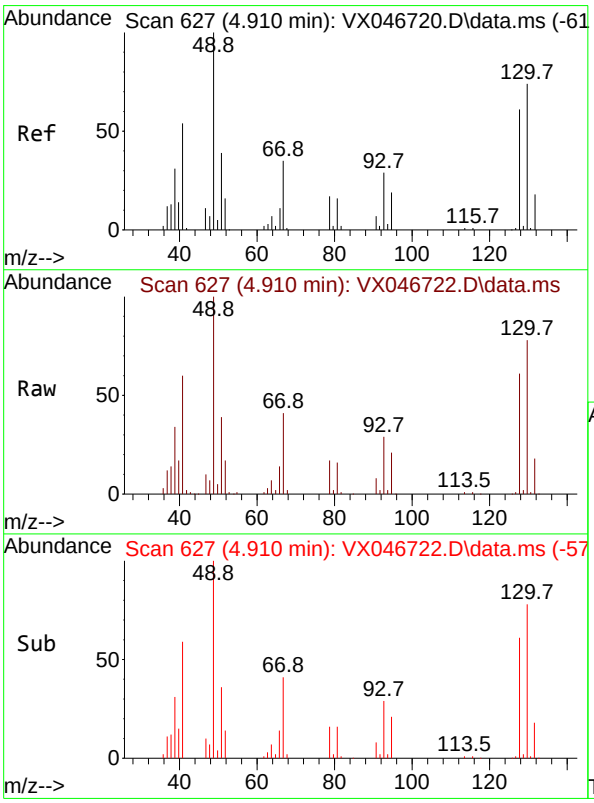

#27
cis-1,2-Dichloroethene
Concen: 152.112 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 227788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.0 | 0.0 | 291.0 |
| 98 | 64.7 | 0.0 | 126.8 |

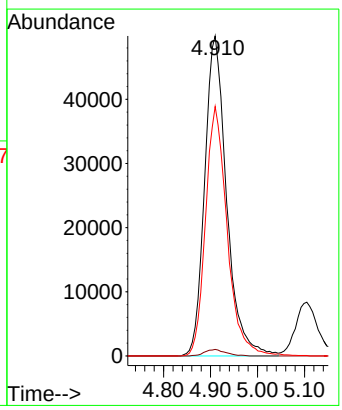


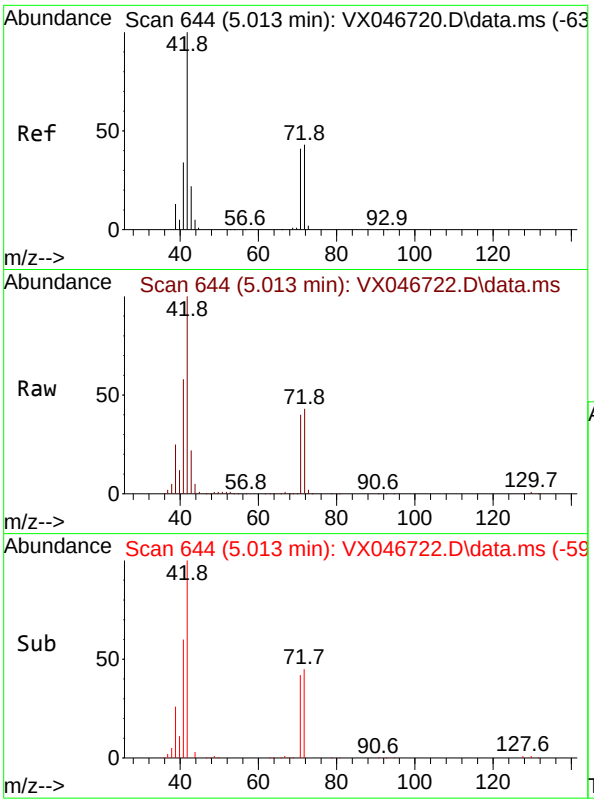




#28
Bromochloromethane
Concen: 151.520 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 49 Resp: 161801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 3.8 |
| 130 | 76.9 | 61.4 | 92.0 |



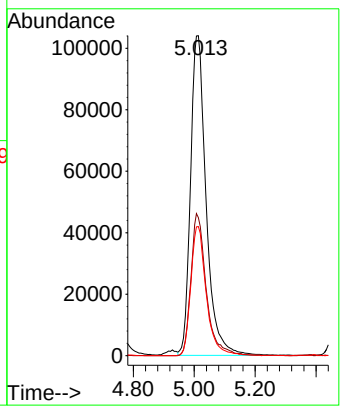


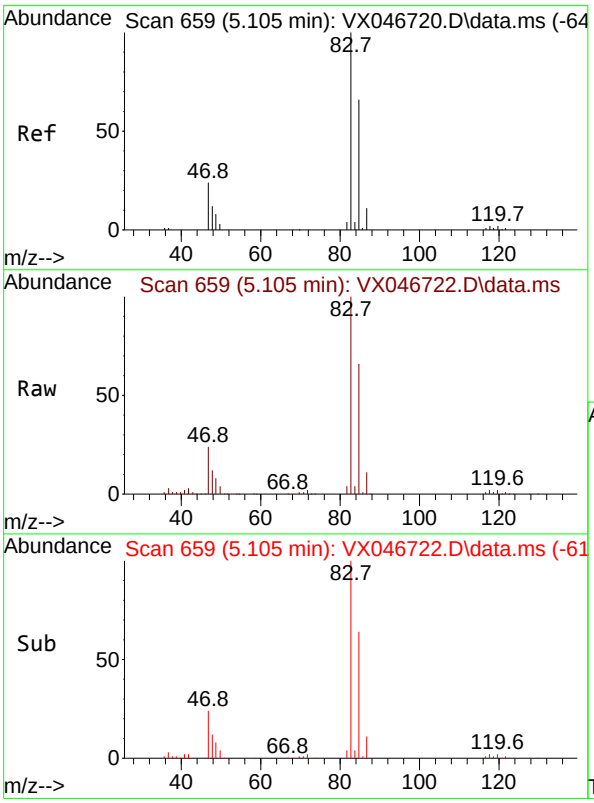

#29
Tetrahydrofuran
Concen: 815.879 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 370760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.8 | 34.9 | 52.3 |
| 71 | 40.1 | 32.2 | 48.2 |

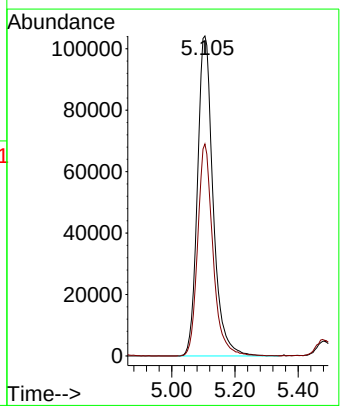


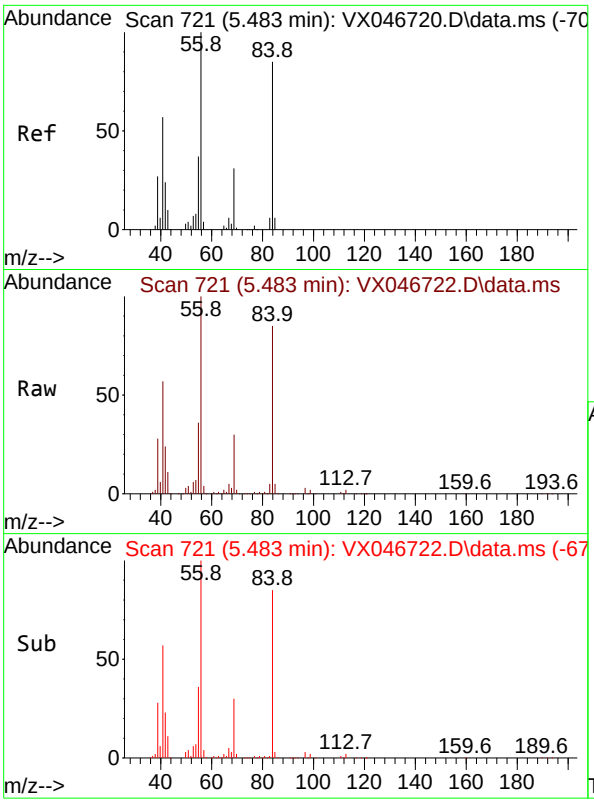




#30
Chloroform
Concen: 152.312 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 83 Resp: 358782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.2 | 53.7 | 80.5 |



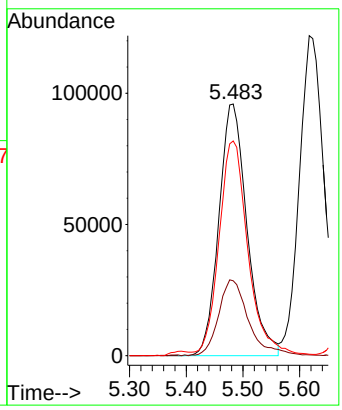


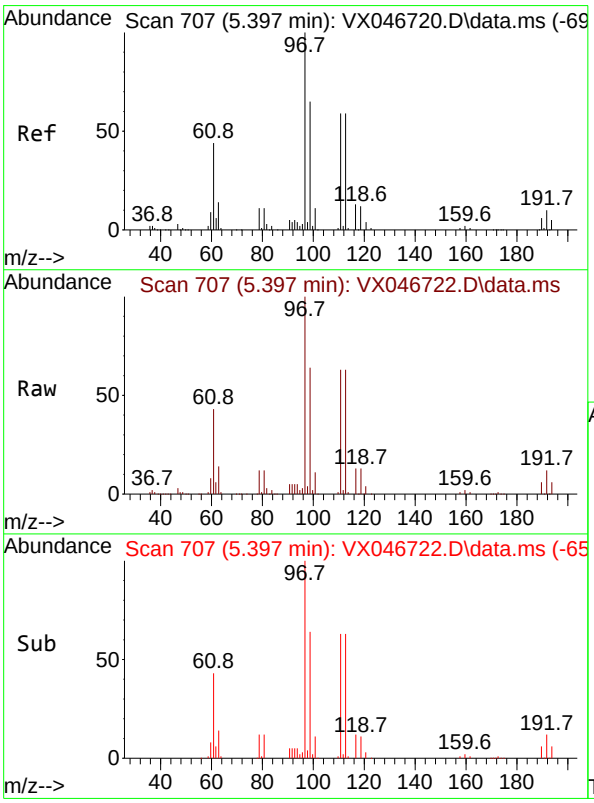

#31
Cyclohexane
Concen: 147.842 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 330235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 24.8 | 37.2 |
| 84 | 83.6 | 68.2 | 102.2 |

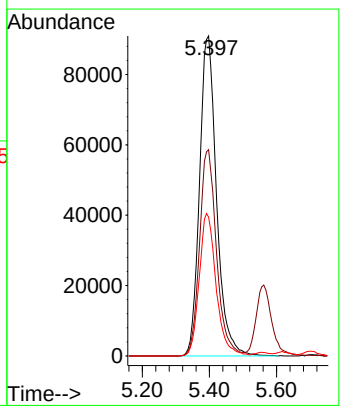


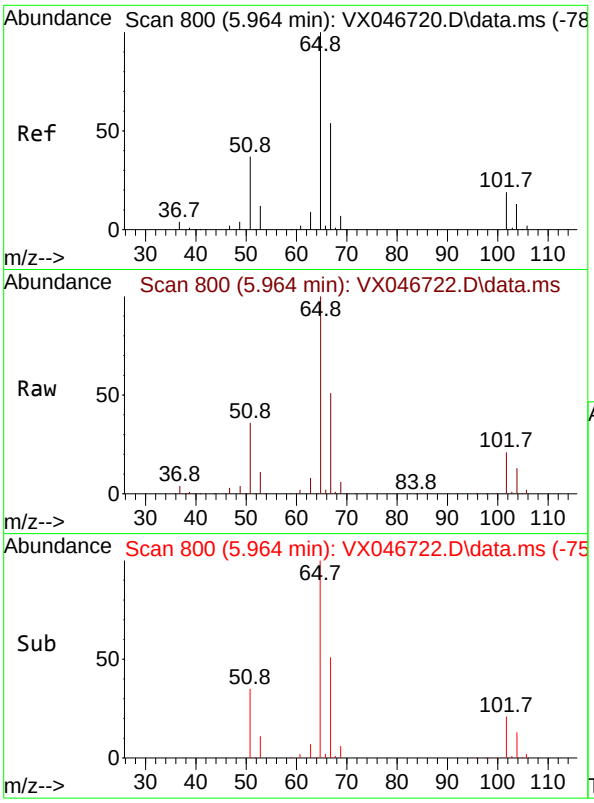




#32
1,1,1-Trichloroethane
Concen: 155.082 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 97 Resp: 320382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.3 | 76.9 |
| 61 | 44.3 | 36.4 | 54.6 |



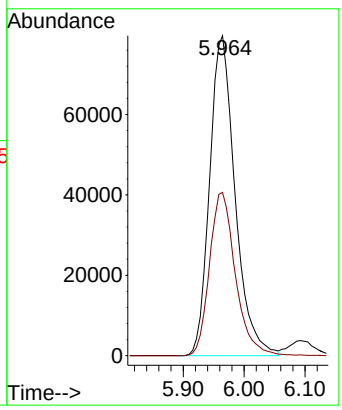


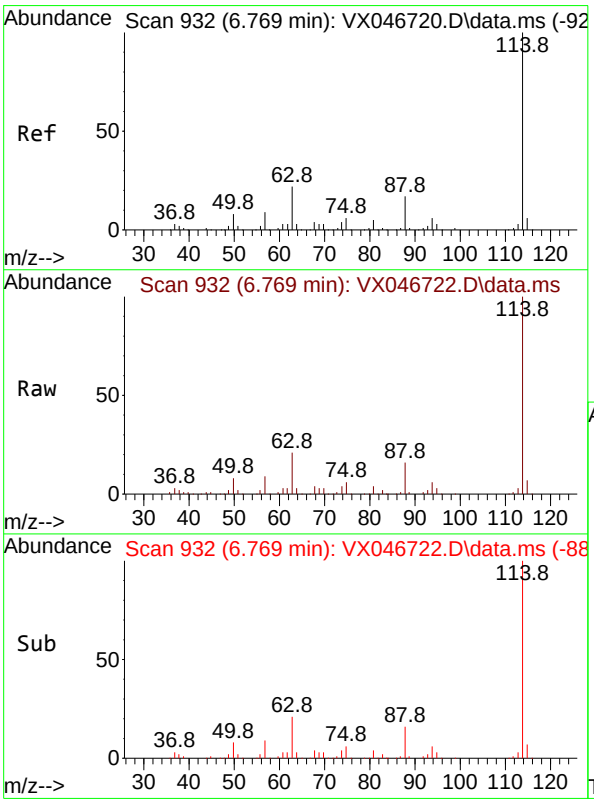

#33
1,2-Dichloroethane-d4
Concen: 154.797 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 230915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |

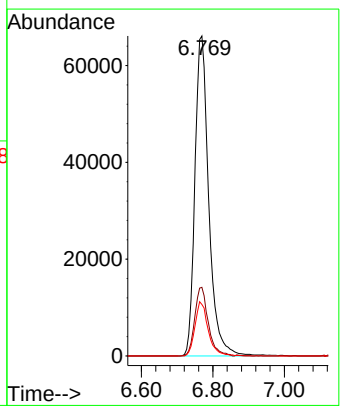


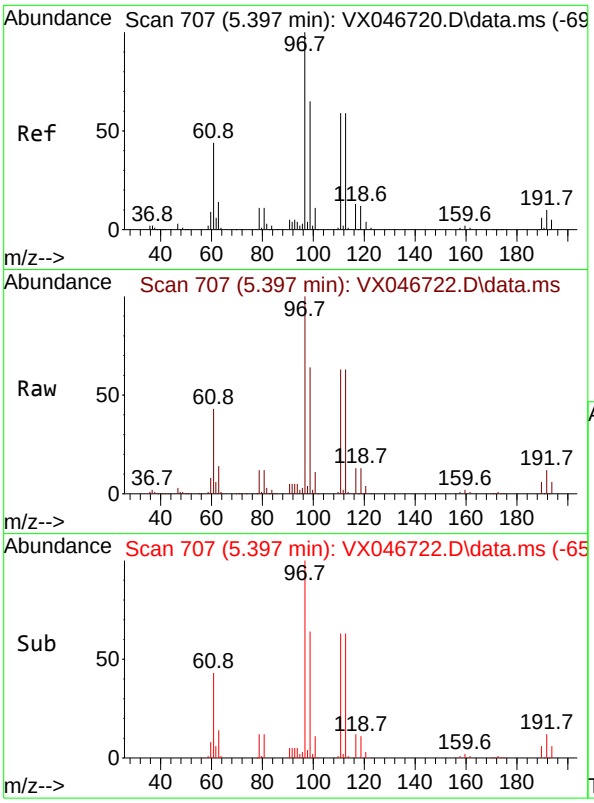




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:114 Resp: 178346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |



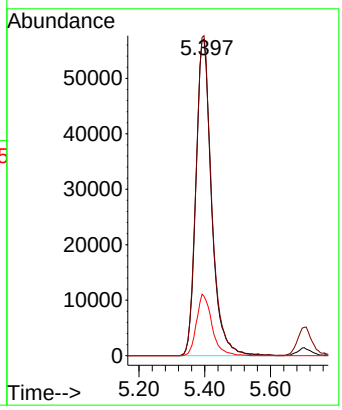


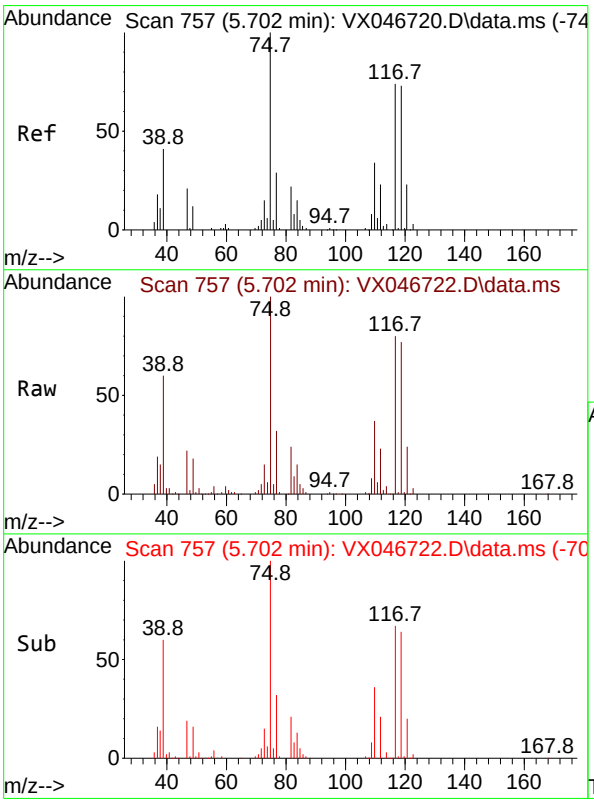

#35
Dibromofluoromethane
Concen: 158.930 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 187536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.0 | 123.0 |
| 192 | 19.2 | 15.3 | 22.9 |

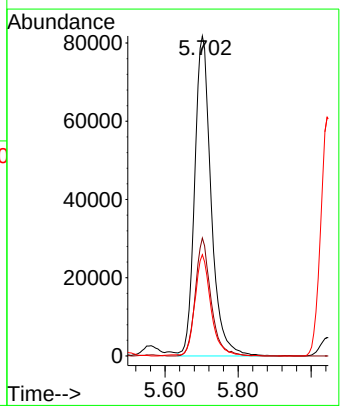


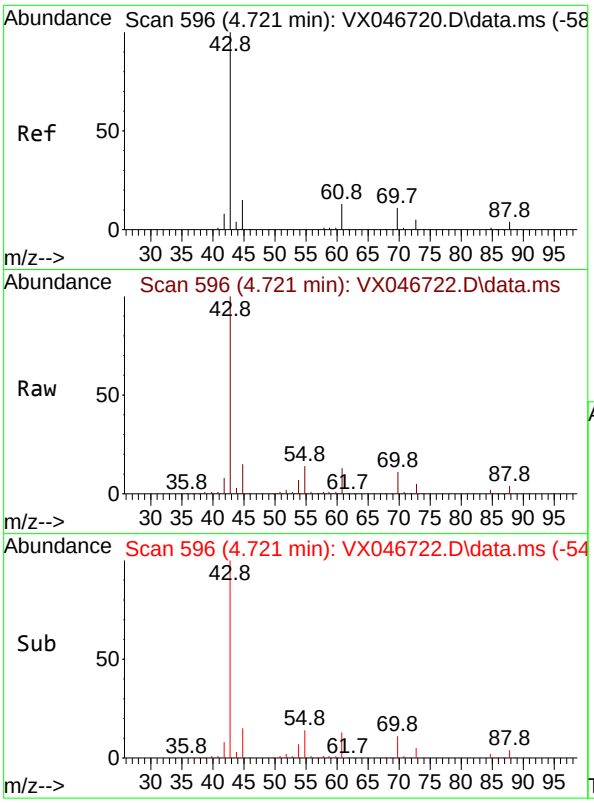




#36
1,1-Dichloropropene
Concen: 150.653 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 256619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 17.2 | 51.5 |
| 77 | 31.0 | 24.2 | 36.4 |



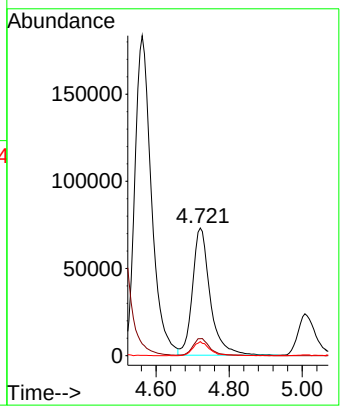


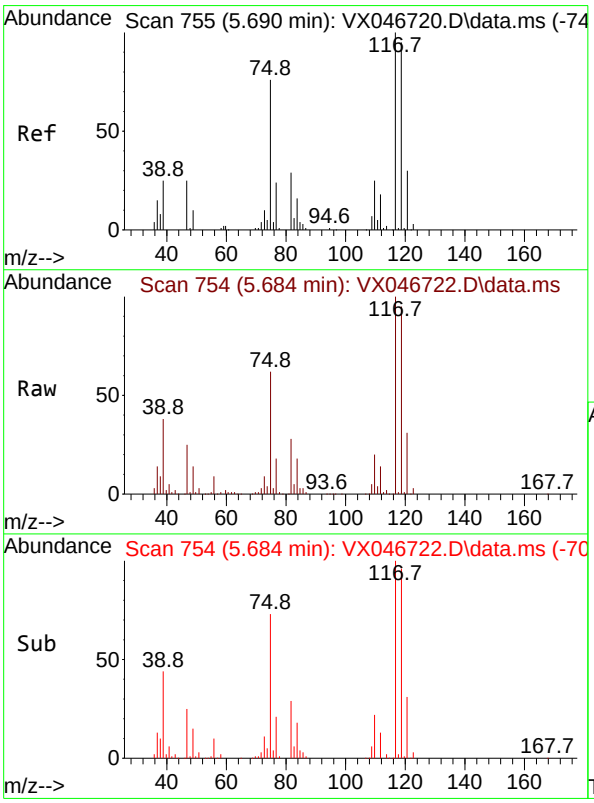

#37
Ethyl Acetate
Concen: 156.284 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 245724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.7 | 14.5 |
| 70 | 10.4 | 8.1 | 12.1 |

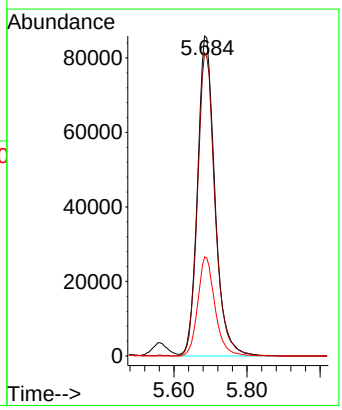


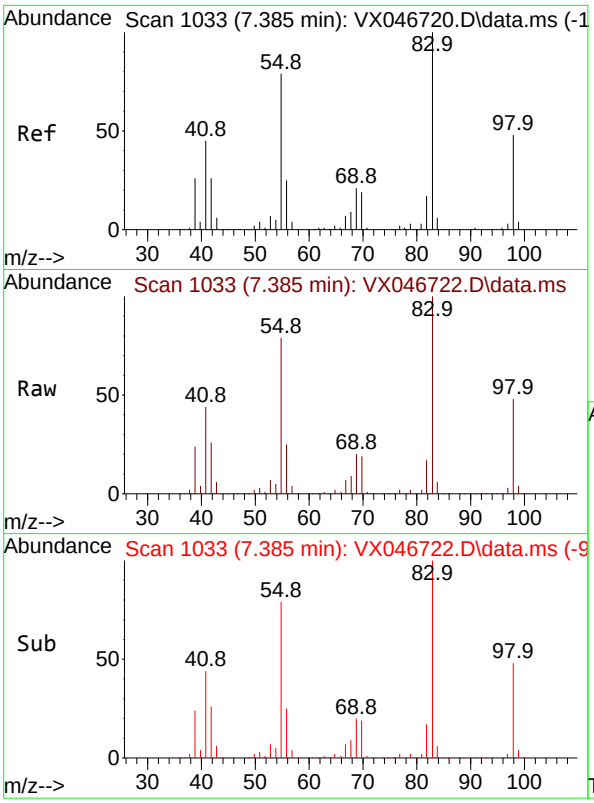




#38
Carbon Tetrachloride
Concen: 153.668 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:117 Resp: 284066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 75.2 | 112.8 |
| 121 | 30.9 | 24.1 | 36.1 |



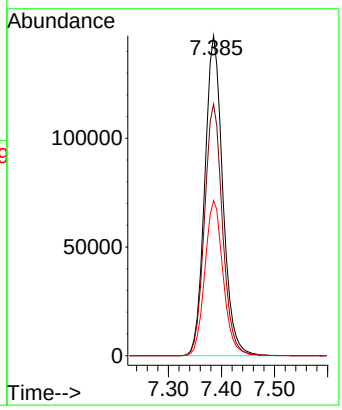


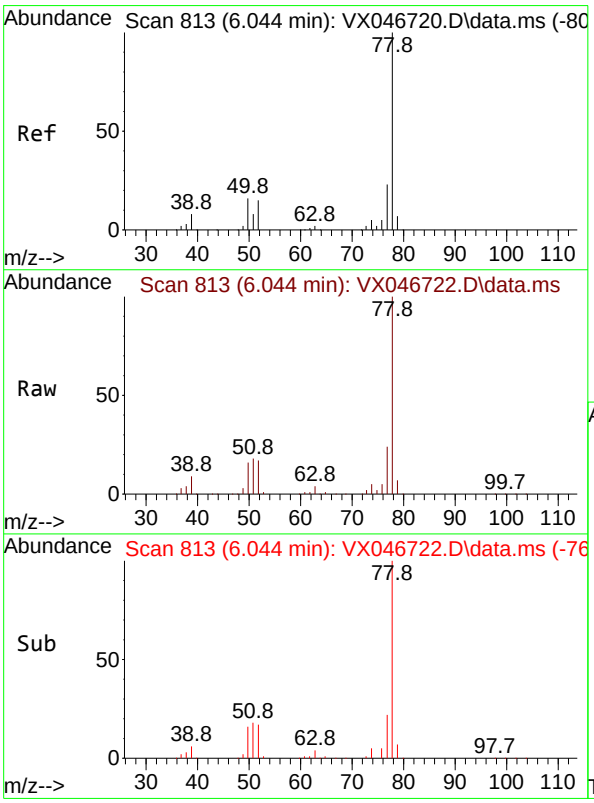

#39
Methylcyclohexane
Concen: 154.413 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 346118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.6 | 63.0 | 94.4 |
| 98 | 48.5 | 38.8 | 58.2 |

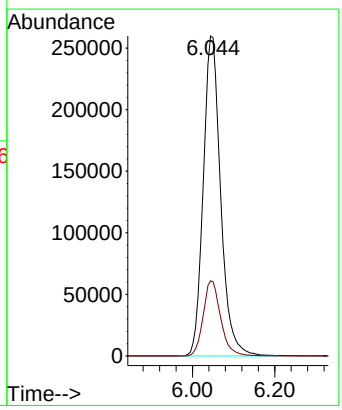


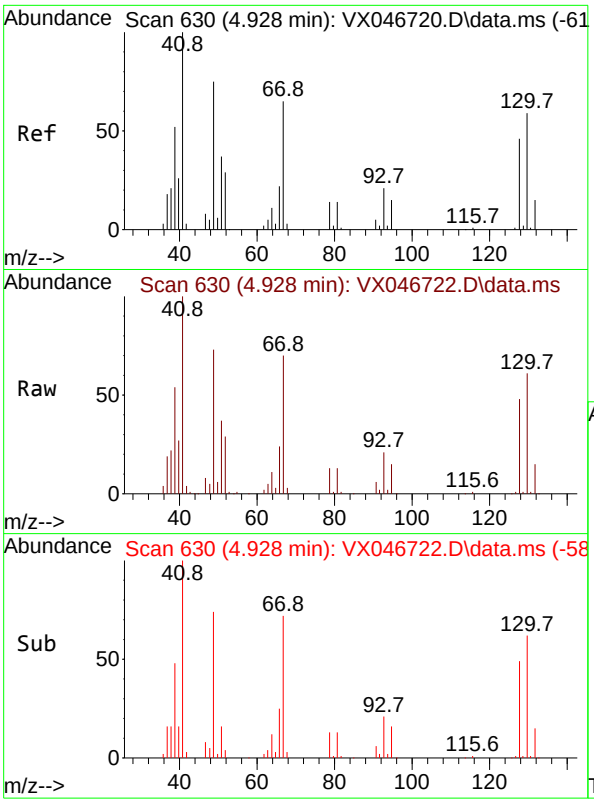




#40
Benzene
Concen: 151.423 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 78 Resp: 763341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



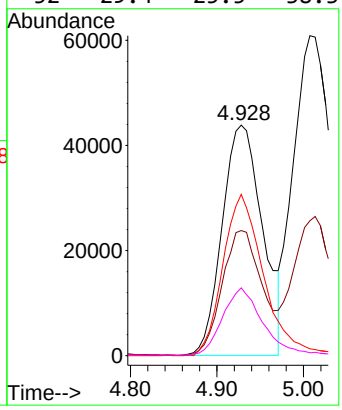


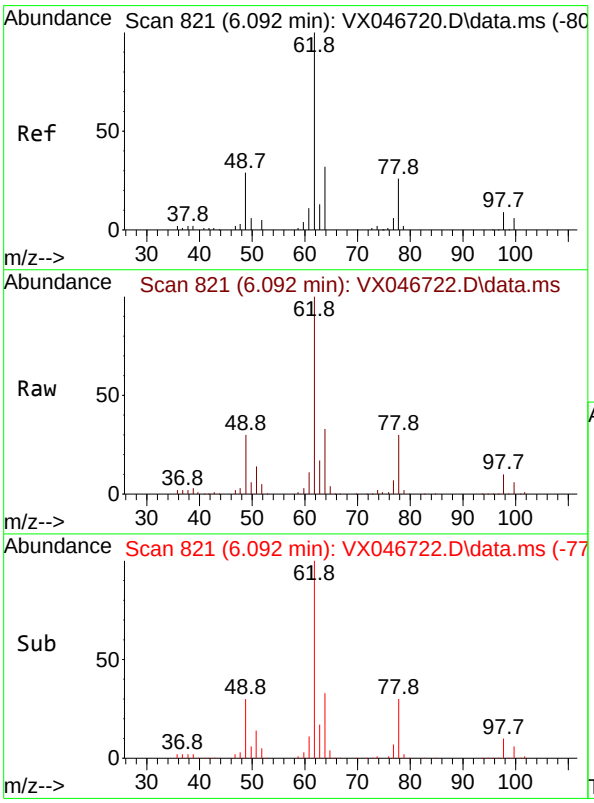

#41
Methacrylonitrile
Concen: 169.745 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 142283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.0 | 45.9 | 68.9 |
| 67 | 71.3 | 61.2 | 91.8 |
| 52 | 29.4 | 25.5 | 38.3 |

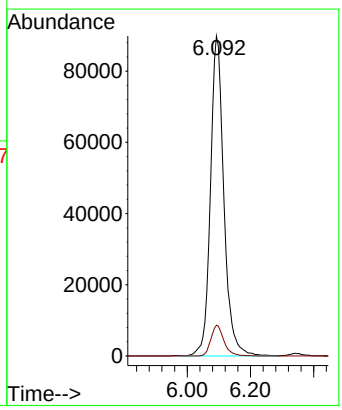


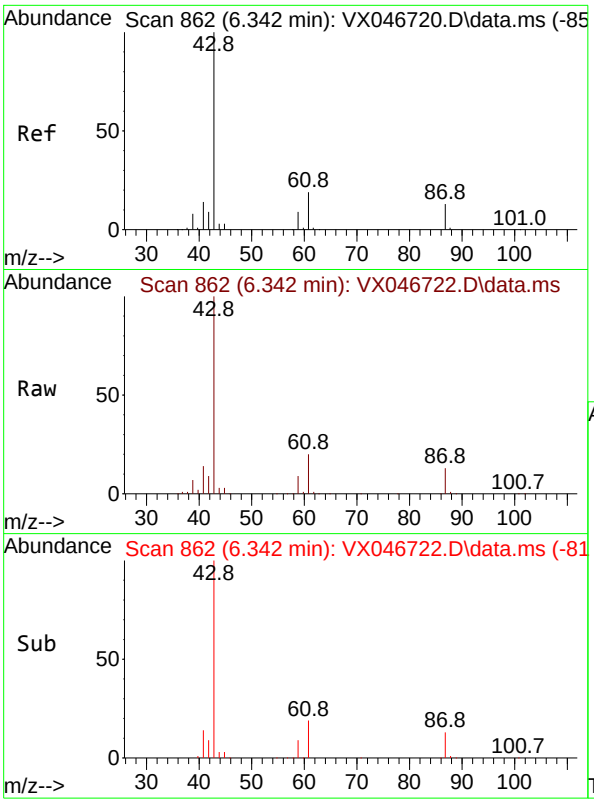




#42
1,2-Dichloroethane
Concen: 150.011 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 62 Resp: 265740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |



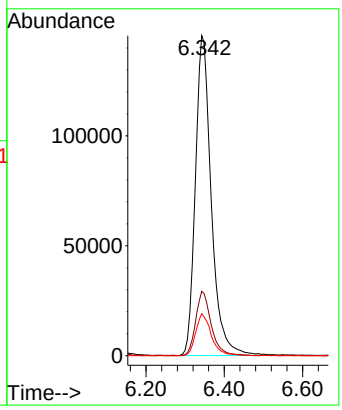


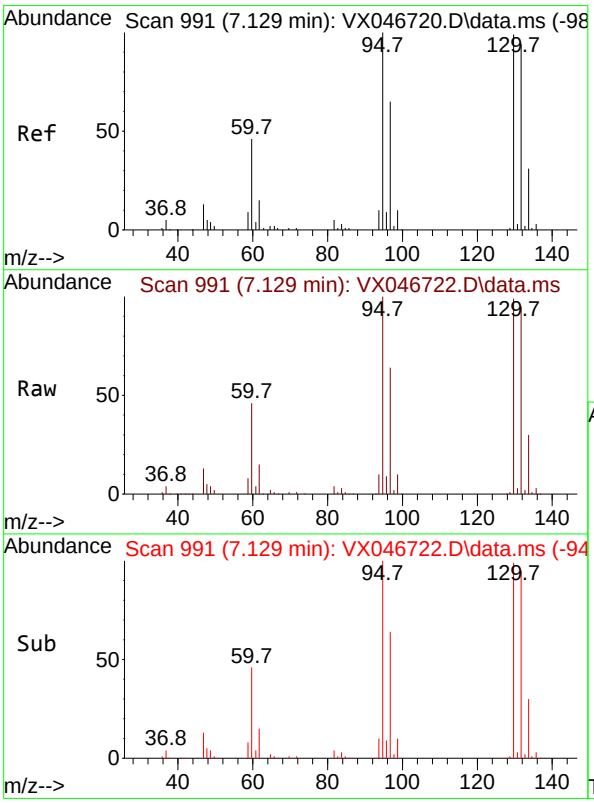

#43
Isopropyl Acetate
Concen: 167.483 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 412067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.6 | 15.3 | 22.9 |
| 87 | 12.8 | 10.0 | 15.0 |

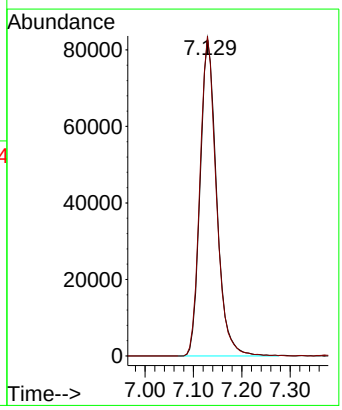


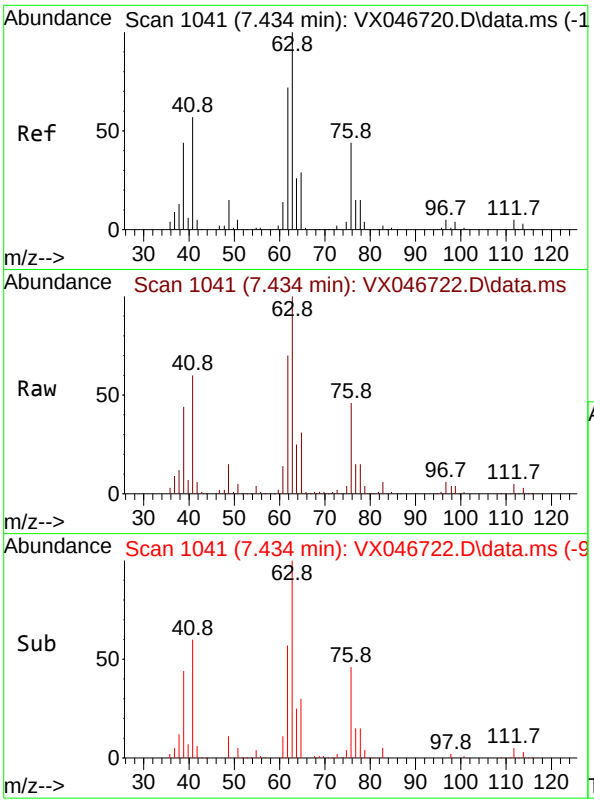




#44
Trichloroethene
Concen: 152.520 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:130 Resp: 195943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 202.6 |



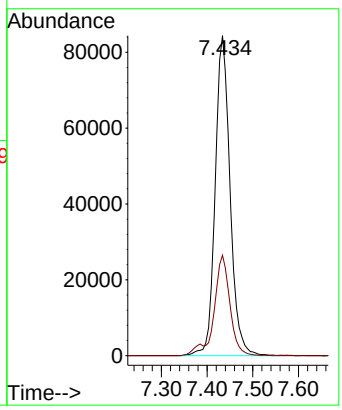


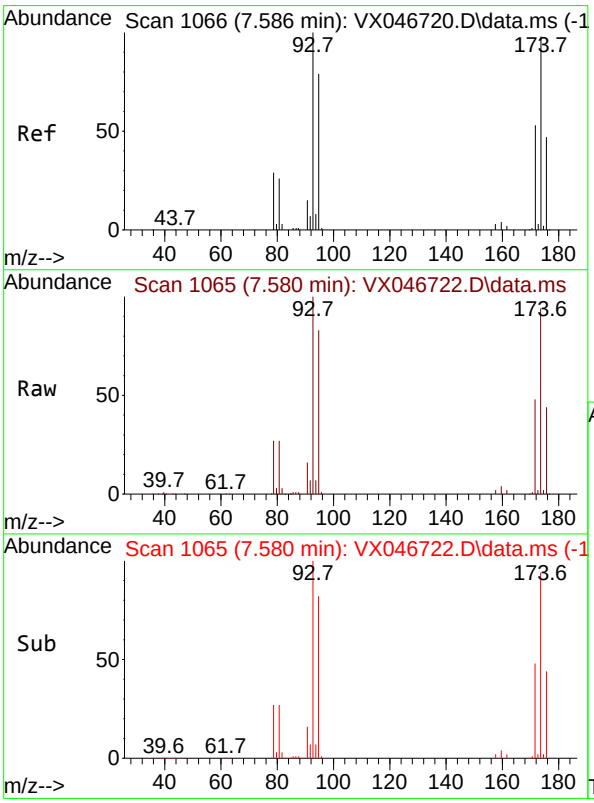

#45
1,2-Dichloropropane
Concen: 153.025 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 191181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 22.9 | 34.3 |

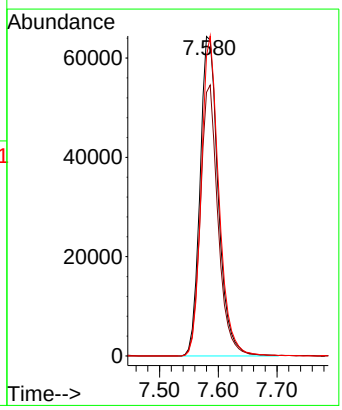


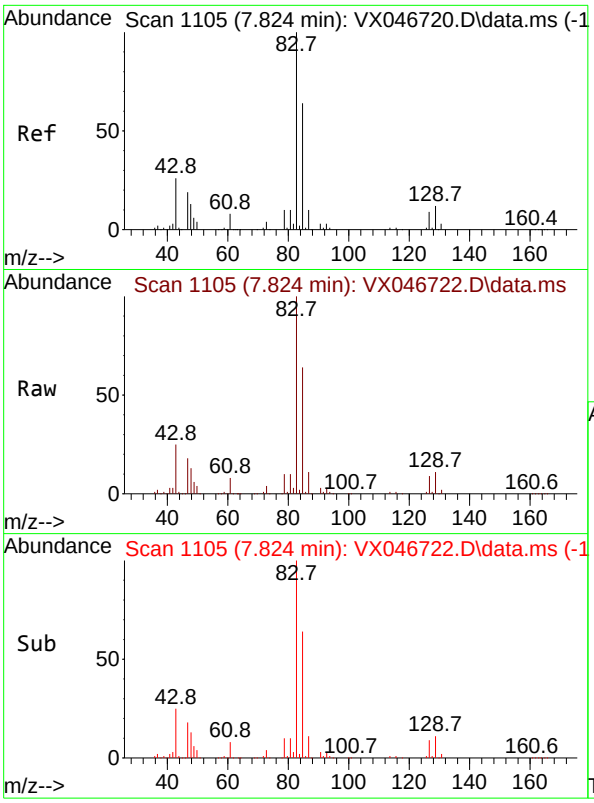




#46
Dibromomethane
Concen: 154.297 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 93 Resp: 138541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.2 | 66.2 | 99.4 |
| 174 | 97.0 | 77.0 | 115.6 |



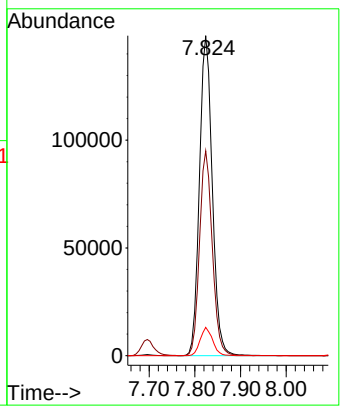


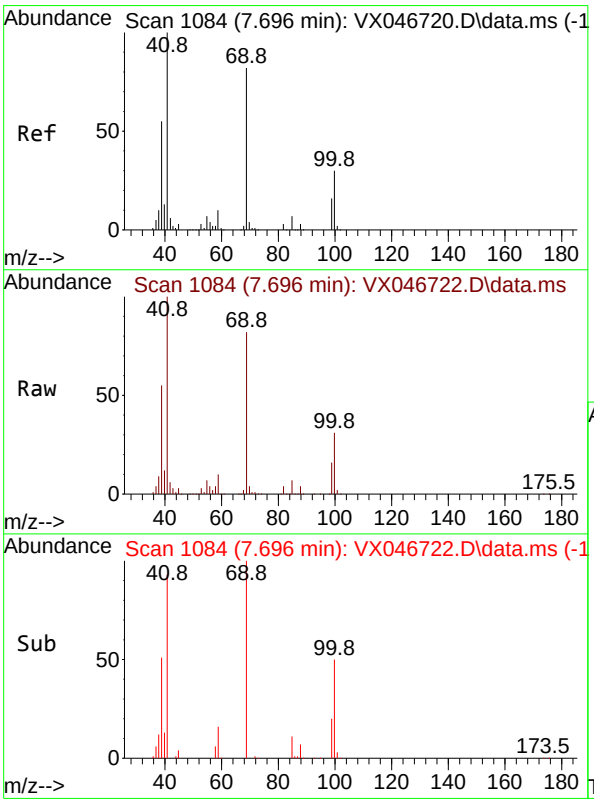

#47
Bromodichloromethane
Concen: 157.630 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 288826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.0 | 51.4 | 77.2 |
| 127 | 8.8 | 6.9 | 10.3 |

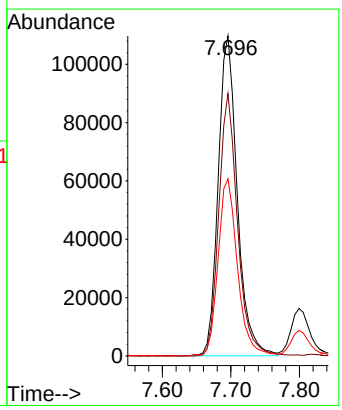


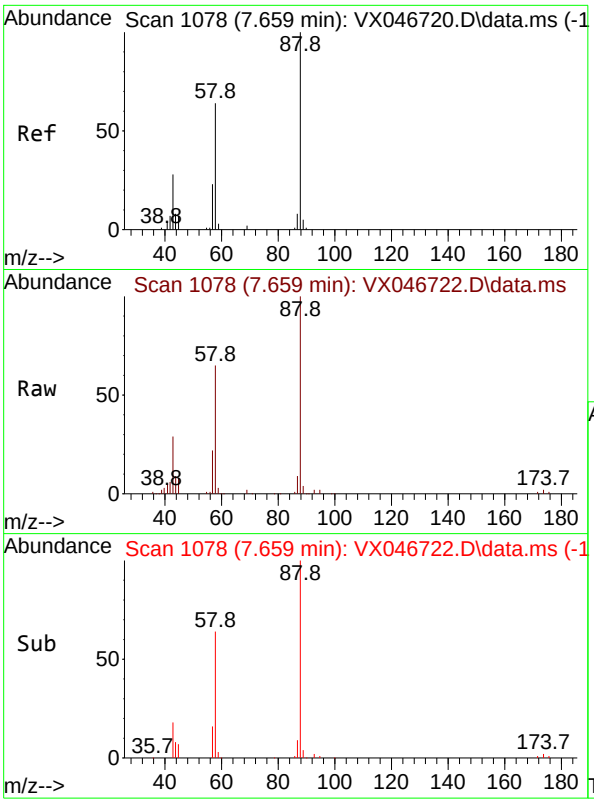




#48
Methyl methacrylate
Concen: 171.734 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 41 Resp: 211908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 63.4 | 95.2 |
| 39 | 56.3 | 45.4 | 68.0 |



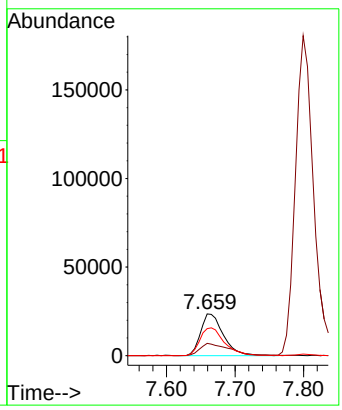


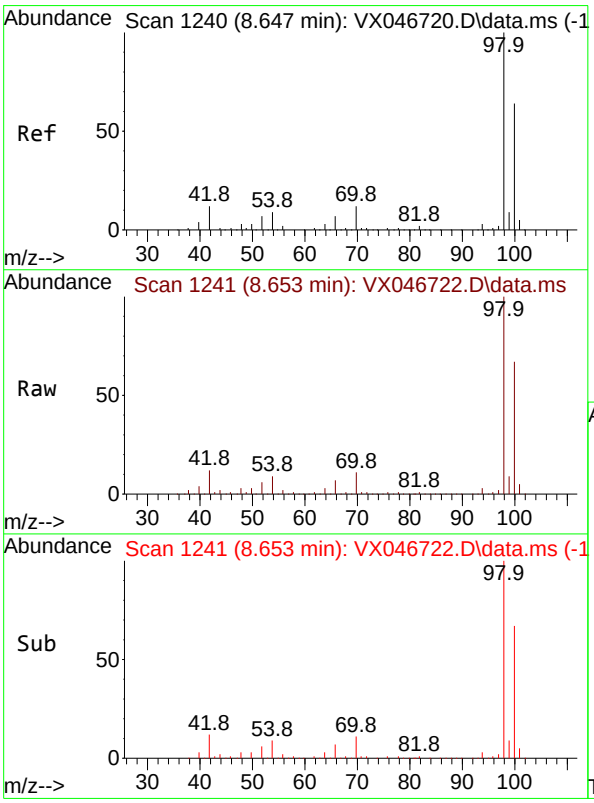

#49
1,4-Dioxane
Concen: 2987.386 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 54646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 31.2 | 46.8 |
| 58 | 71.8 | 54.7 | 82.1 |

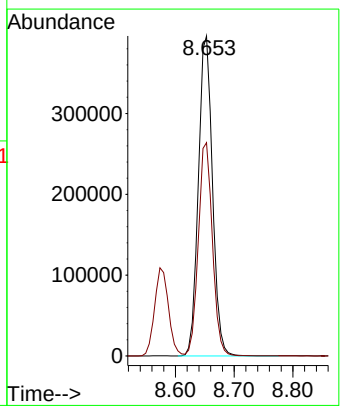


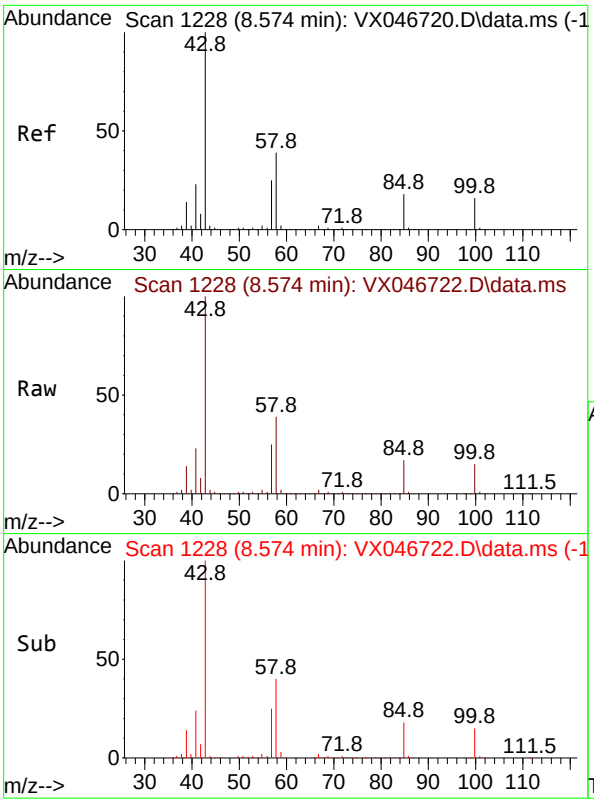




#50
Toluene-d8
Concen: 155.733 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 98 Resp: 660221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |



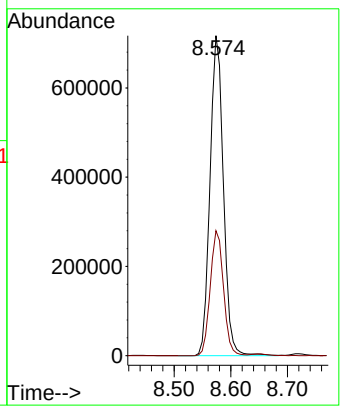


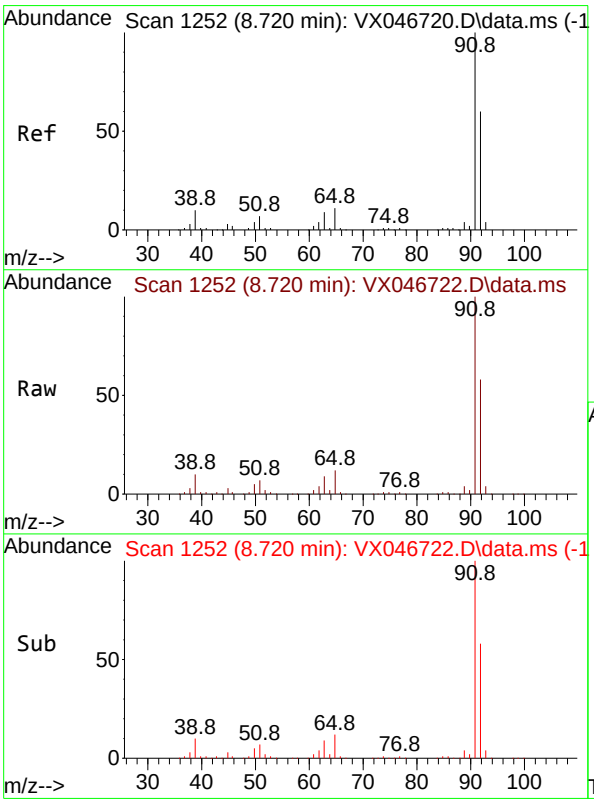

#51
4-Methyl-2-Pentanone
Concen: 799.825 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1173666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 30.8 | 46.2 |

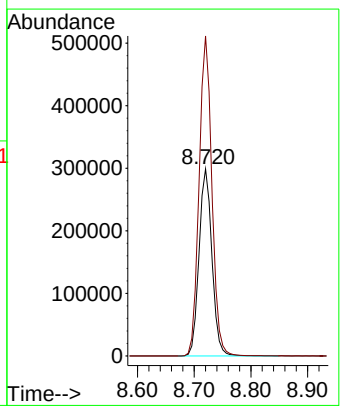


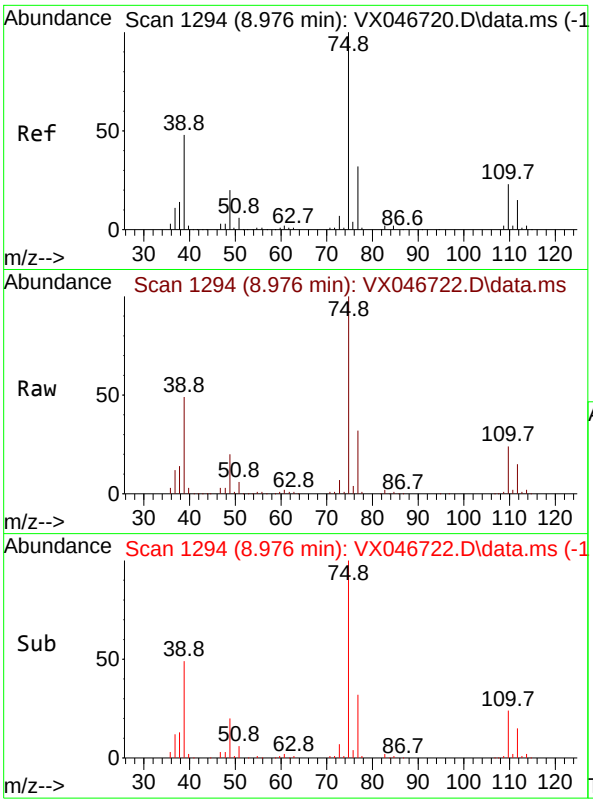




#52
Toluene
Concen: 150.800 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 92 Resp: 471273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.7 | 134.8 | 202.2 |



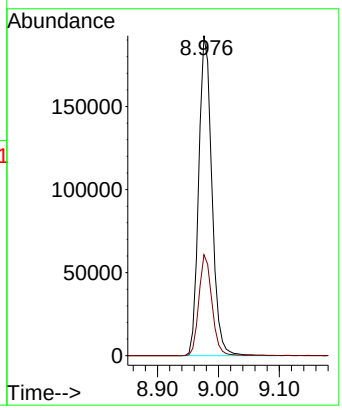


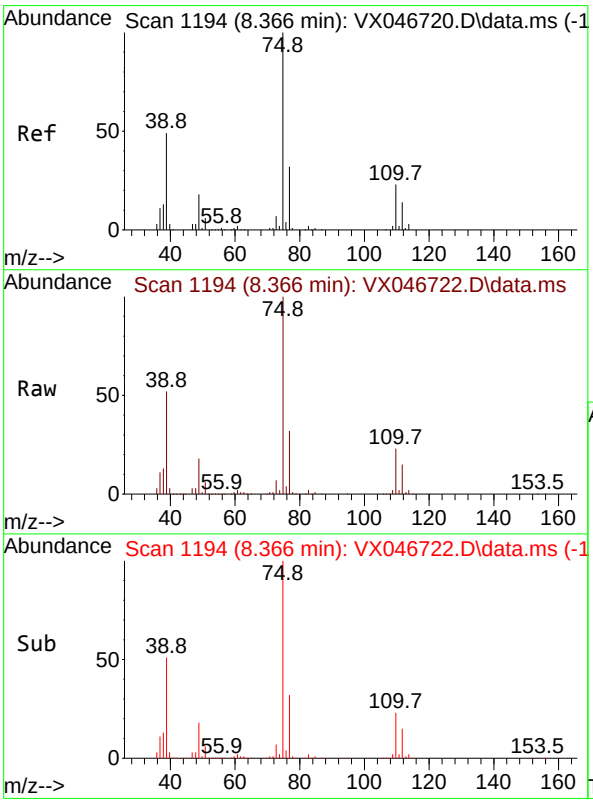

#53
t-1,3-Dichloropropene
Concen: 169.929 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 288893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.6 | 38.4 |

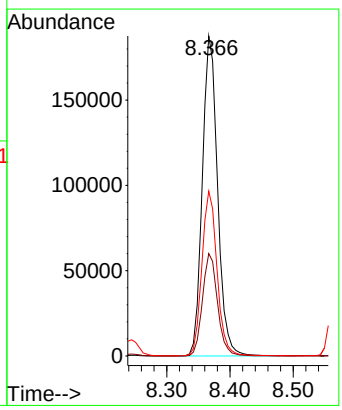


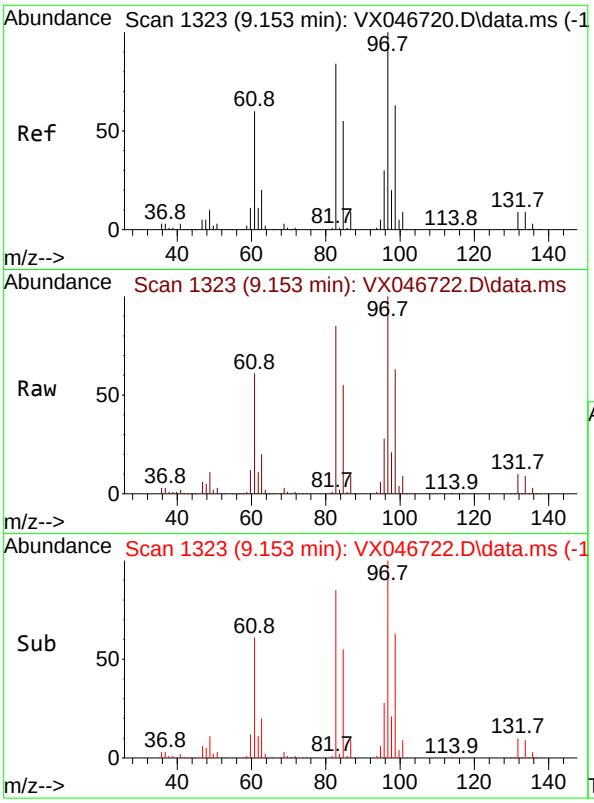




#54
cis-1,3-Dichloropropene
Concen: 163.198 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 314965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.3 | 37.9 |
| 39 | 51.4 | 39.2 | 58.8 |



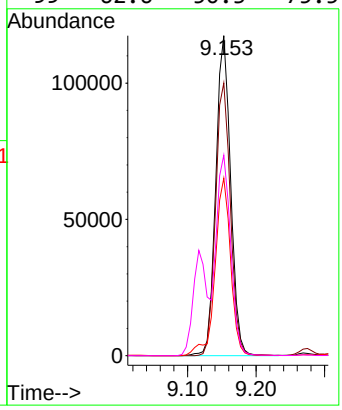


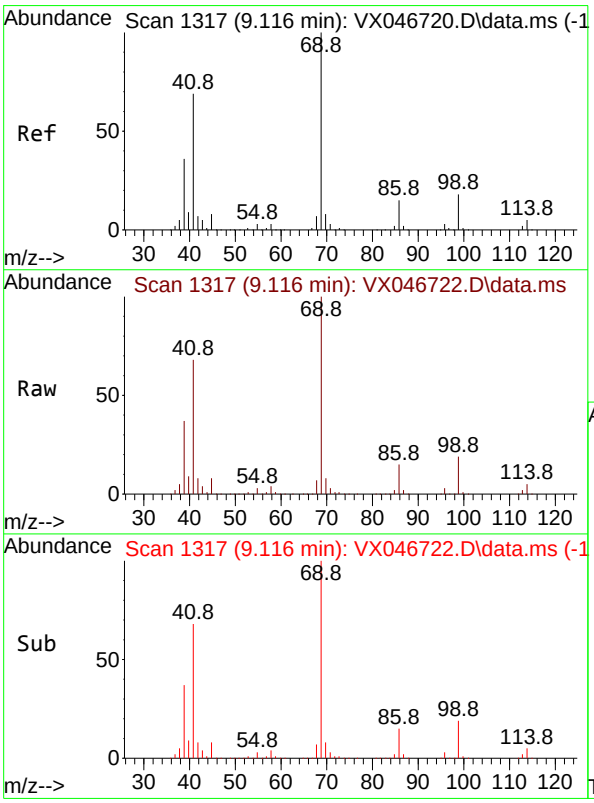

#55
1,1,2-Trichloroethane
Concen: 151.099 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 175973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.2 | 67.2 | 100.8 |
| 85 | 55.5 | 44.1 | 66.1 |
| 99 | 62.6 | 50.3 | 75.5 |

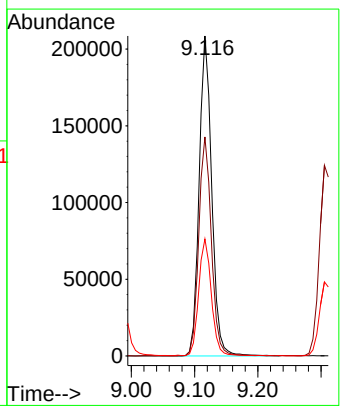


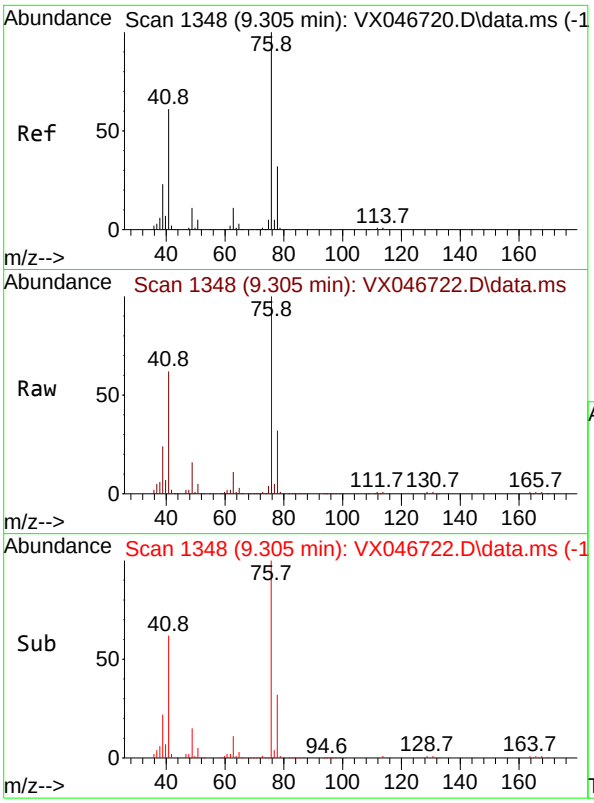




#56
Ethyl methacrylate
Concen: 167.940 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 69 Resp: 288720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |



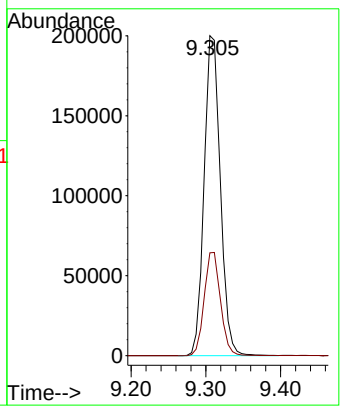


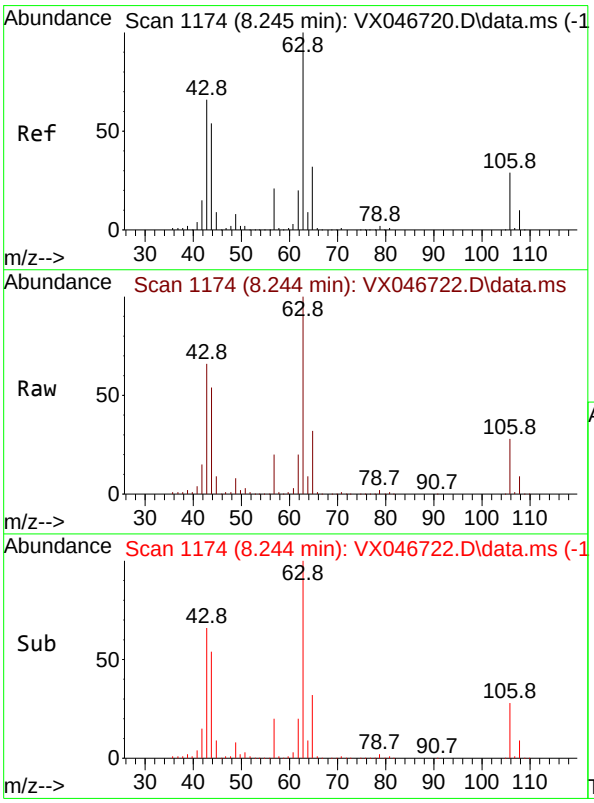

#57
1,3-Dichloropropane
Concen: 150.290 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 301418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.7 | 38.5 |

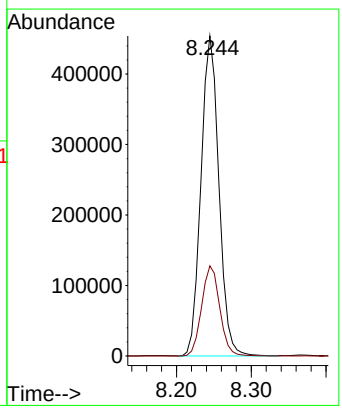


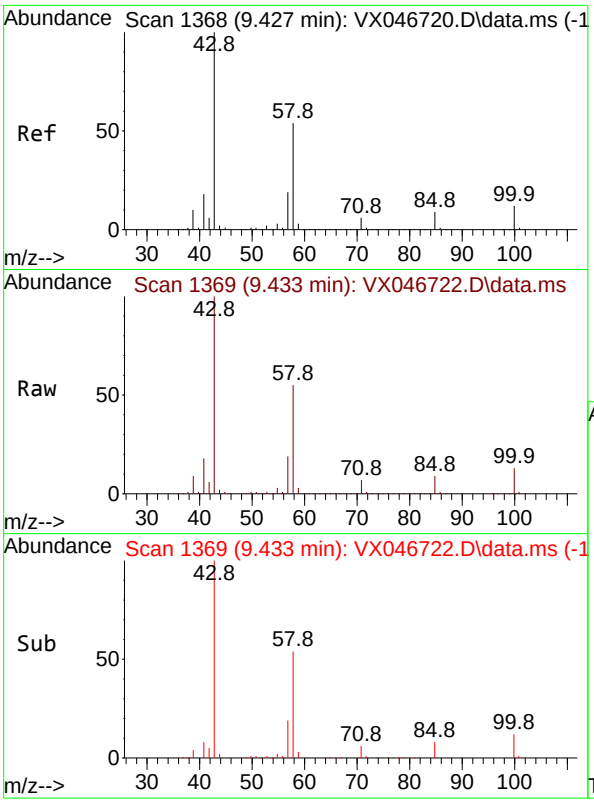




#58
2-Chloroethyl Vinyl ether
Concen: 845.118 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 63 Resp: 754730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |



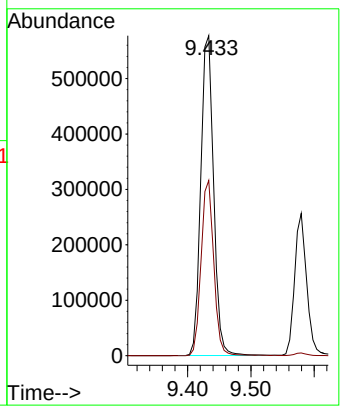


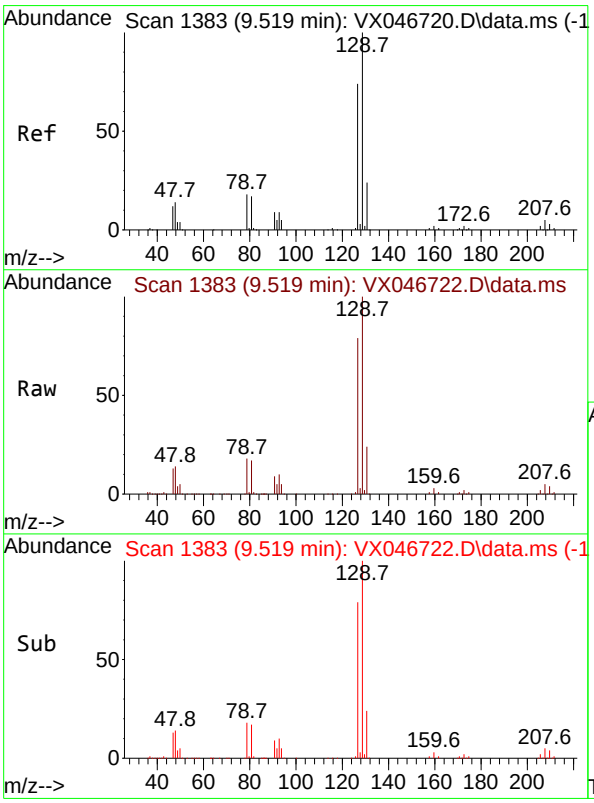

#59
2-Hexanone
Concen: 805.005 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 816655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.1 | 26.8 | 80.4 |

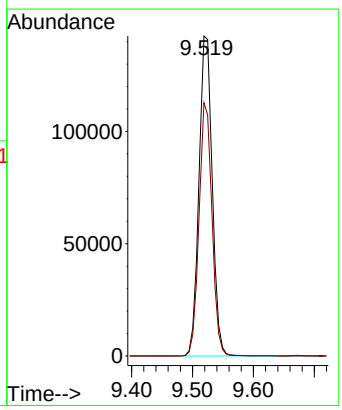


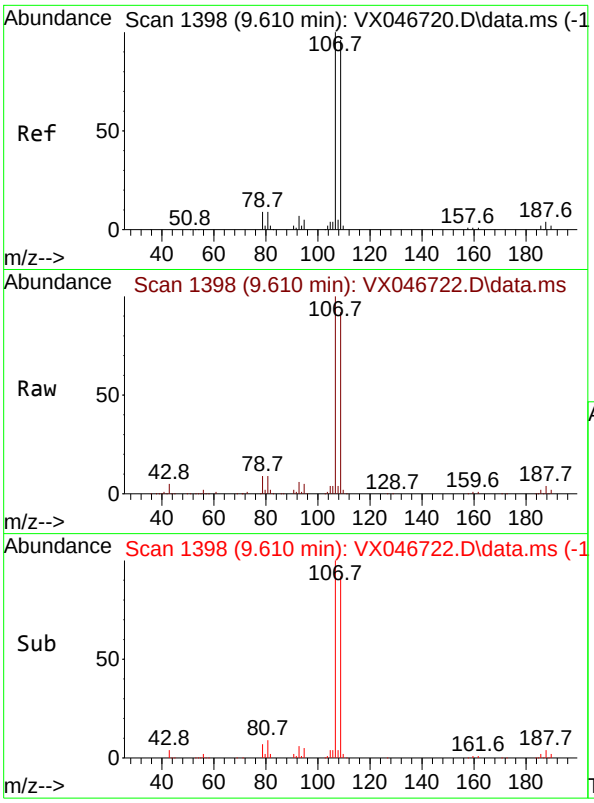




#60
Dibromochloromethane
Concen: 156.904 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:129 Resp: 215347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.4 | 115.2 |



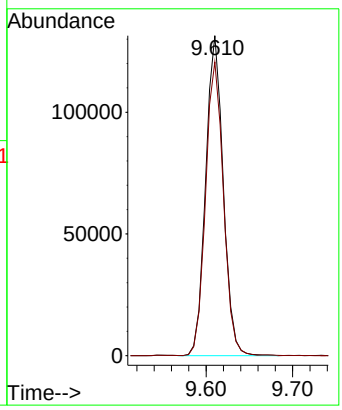


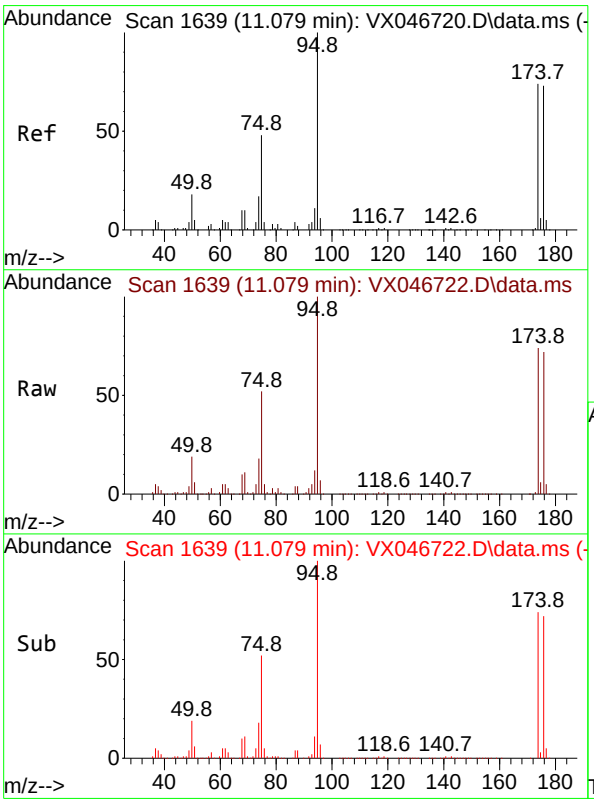

#61
1,2-Dibromoethane
Concen: 156.392 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 185268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.6 | 75.8 | 113.6 |

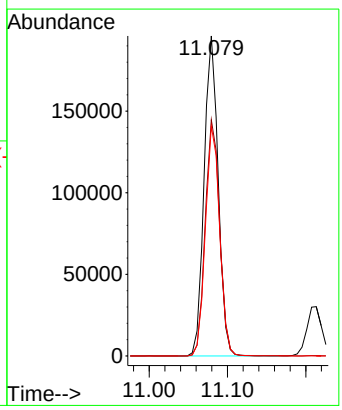


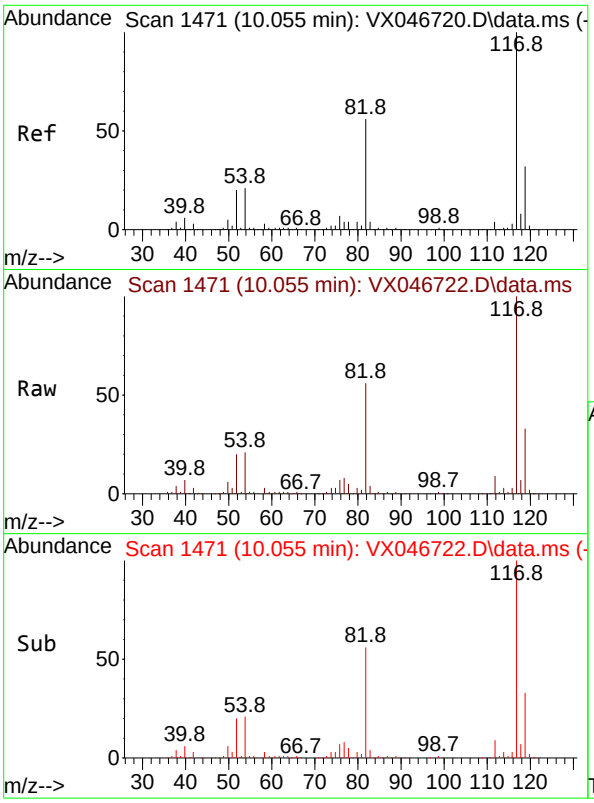




#62
4-Bromofluorobenzene
Concen: 154.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 95 Resp: 244007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 72.7 | 0.0 | 145.0 |



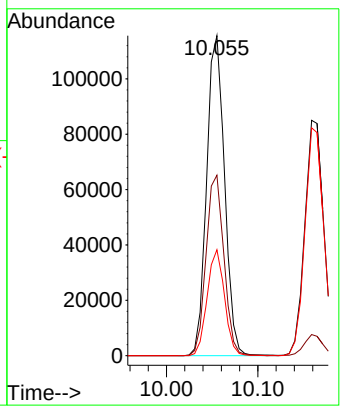


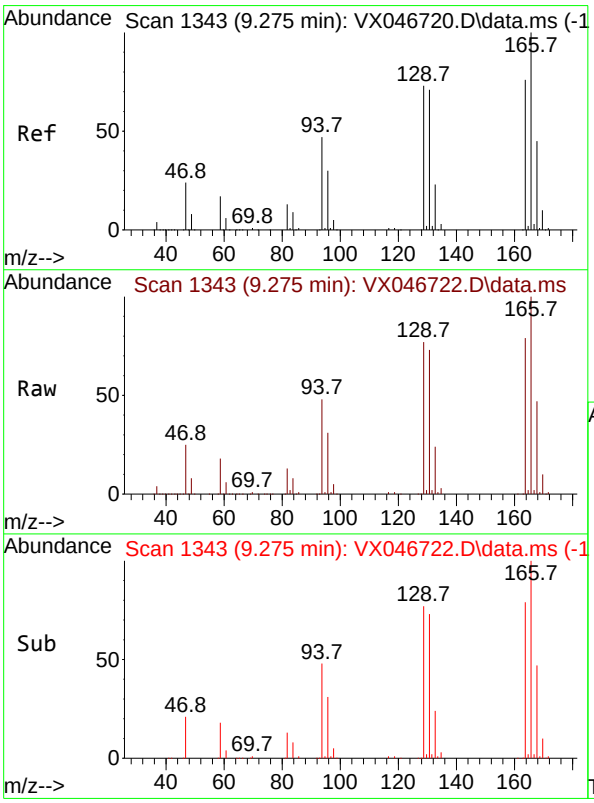

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 156970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 44.6 | 66.8 |
| 119 | 33.1 | 25.8 | 38.8 |

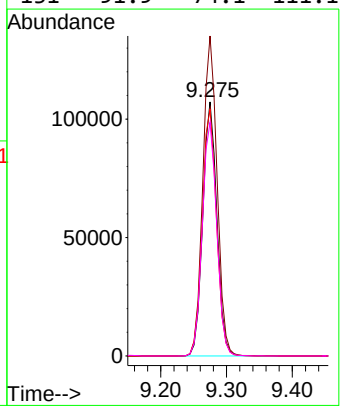


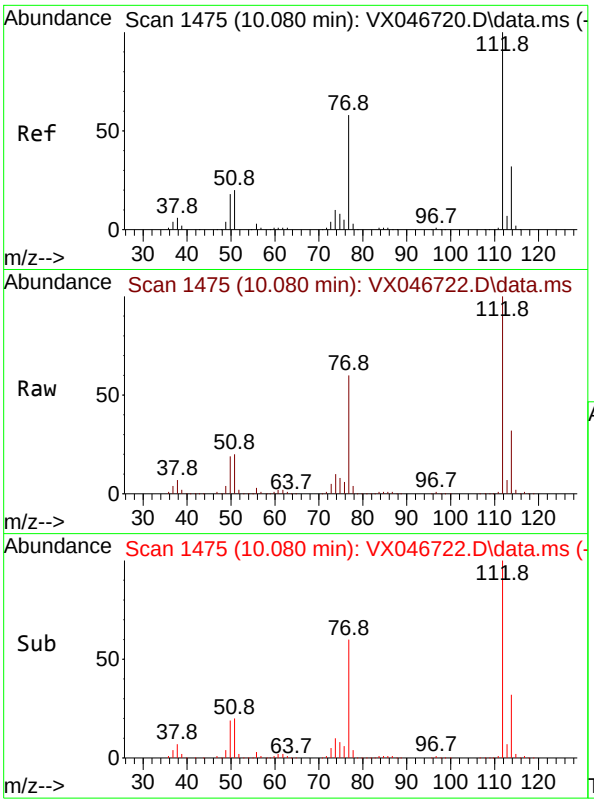




#64
Tetrachloroethene
Concen: 146.895 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:164 Resp: 159752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.9 | 104.6 | 157.0 |
| 129 | 97.1 | 76.3 | 114.5 |
| 131 | 91.9 | 74.1 | 111.1 |



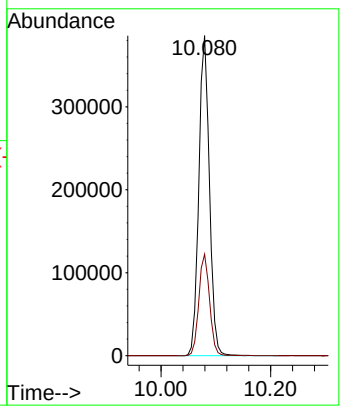


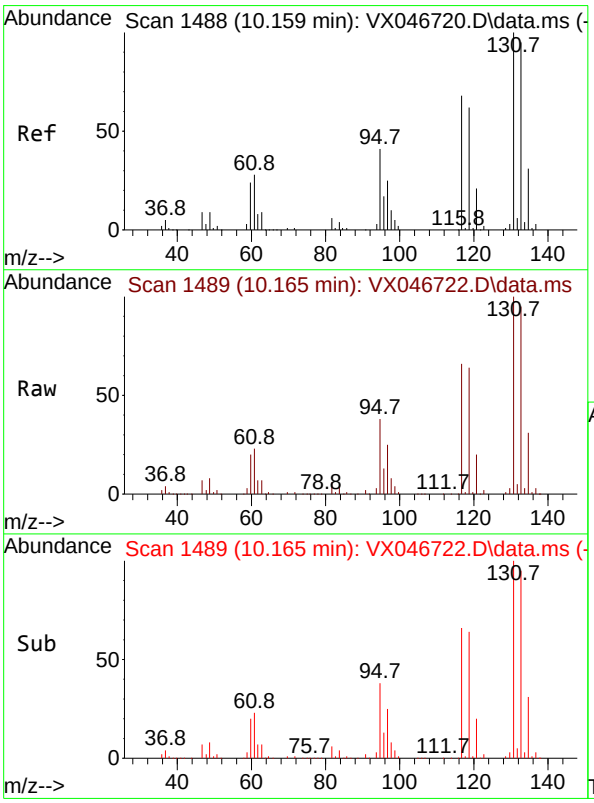

#65
Chlorobenzene
Concen: 149.453 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 517859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.5 | 38.3 |

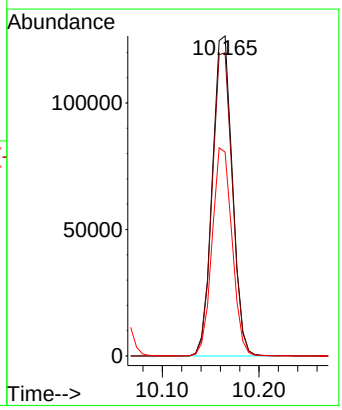


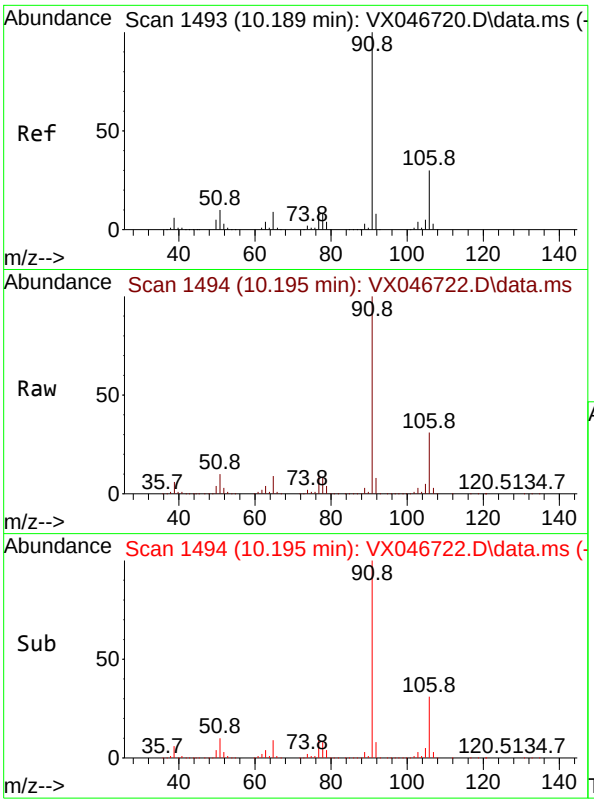




#66
1,1,1,2-Tetrachloroethane
Concen: 156.268 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:131 Resp: 181981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.5 | 47.3 | 141.8 |
| 119 | 64.7 | 32.1 | 96.3 |



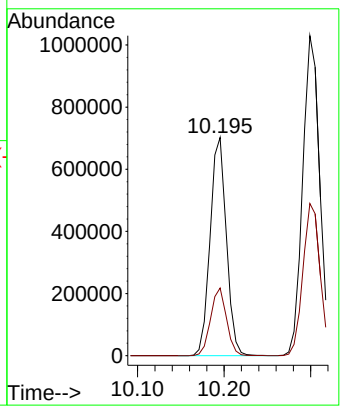


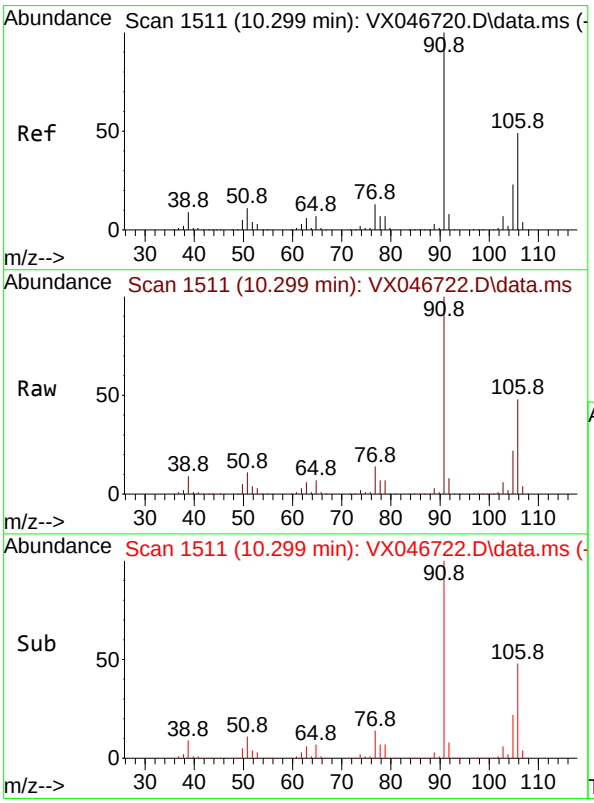

#67
Ethyl Benzene
Concen: 151.251 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 915724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 24.2 | 36.2 |

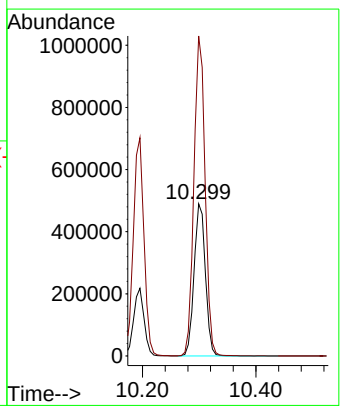


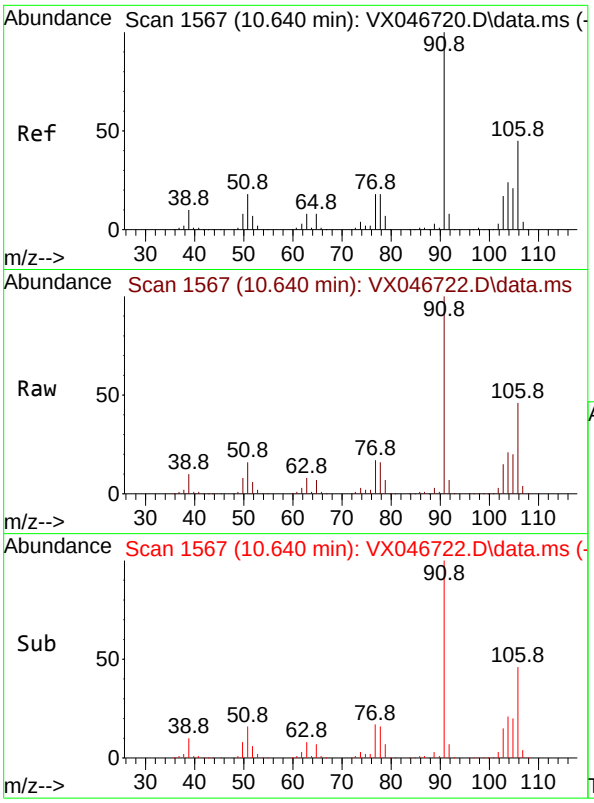




#68
m/p-Xylenes
Concen: 299.697 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:106 Resp: 676085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 164.8 | 247.2 |



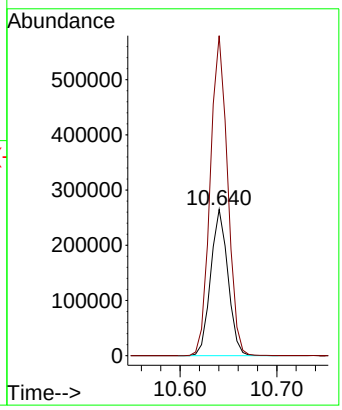


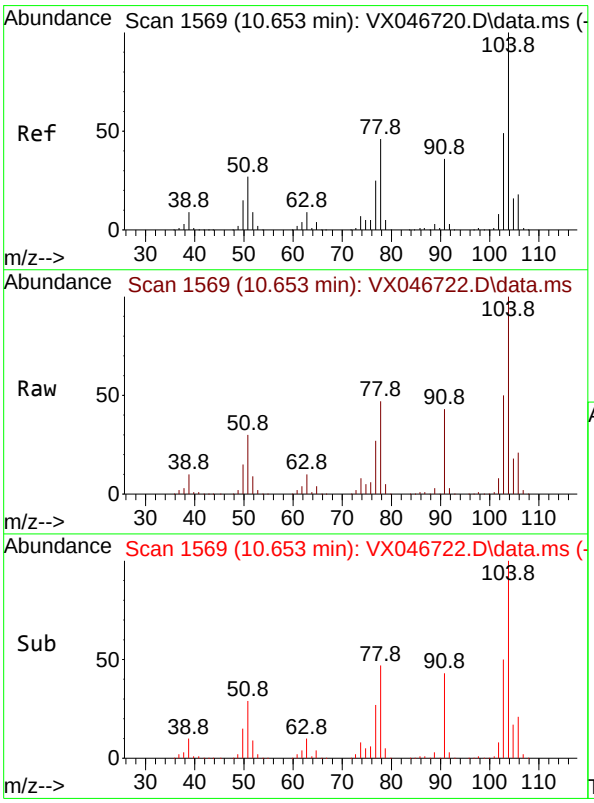

#69
o-Xylene
Concen: 155.514 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 328782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.3 | 333.9 |

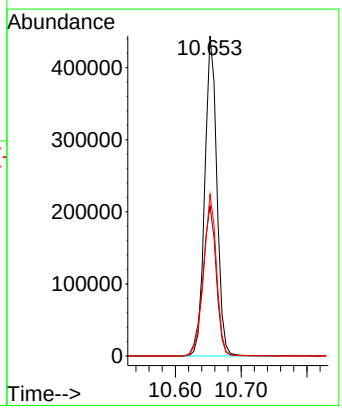


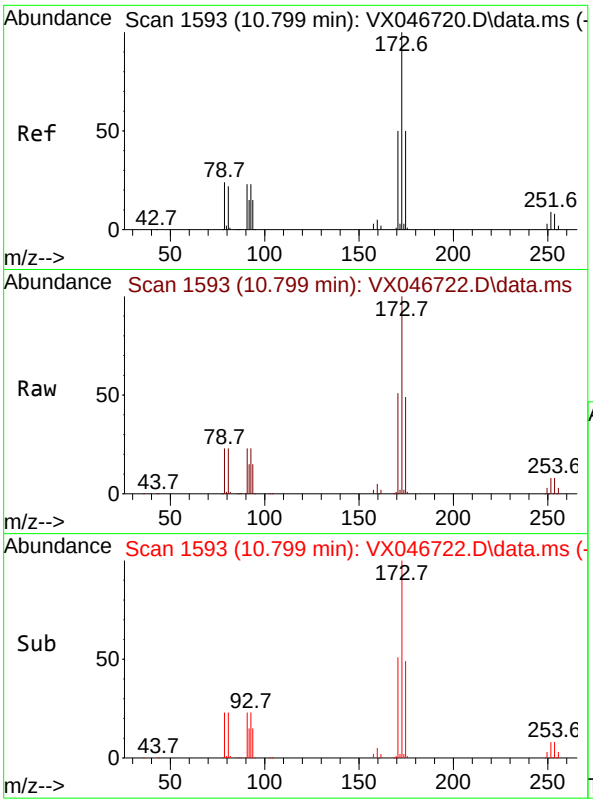




#70
Styrene
Concen: 153.143 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:104 Resp: 566606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 41.4 | 62.2 |
| 103 | 54.1 | 43.1 | 64.7 |



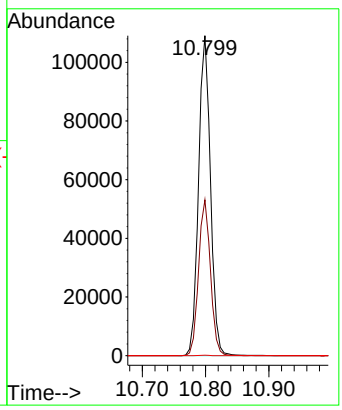


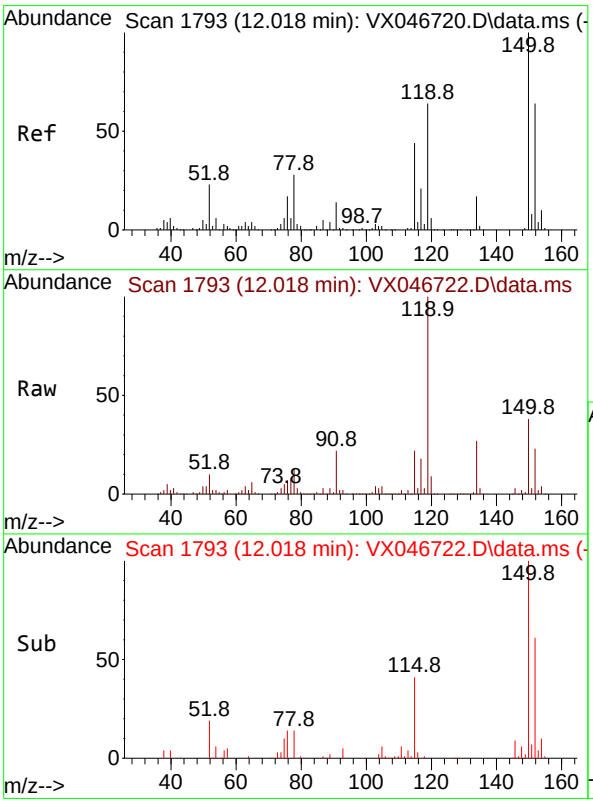

#71
Bromoform
Concen: 161.498 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 143229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1 |

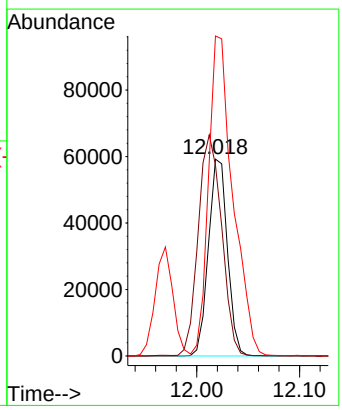


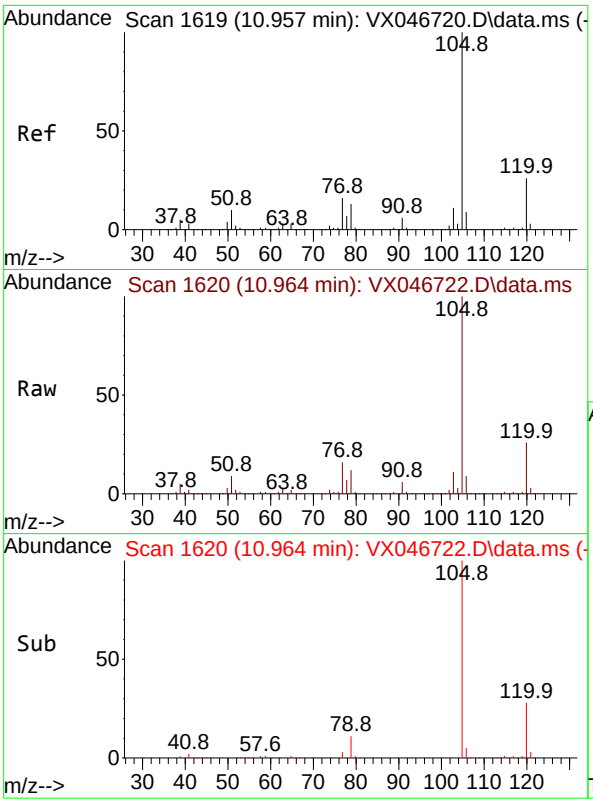




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:152 Resp: 75829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 139.0 | 43.2 | 129.6# |
| 150 | 208.8 | 0.0 | 346.8 |



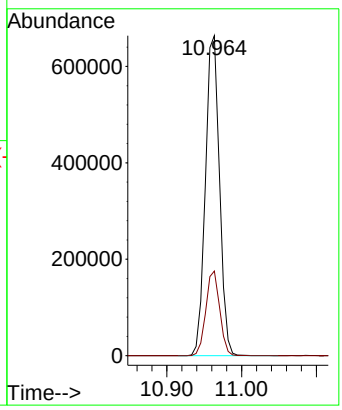


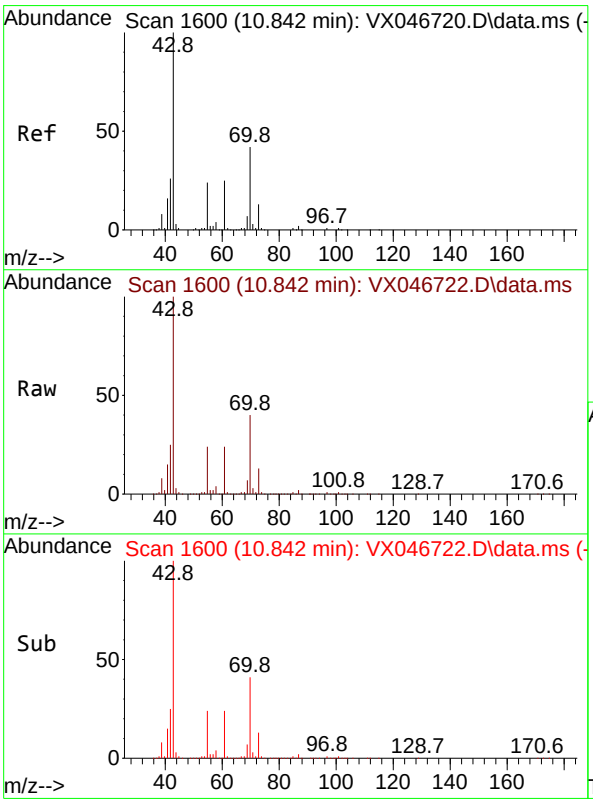

#73
Isopropylbenzene
Concen: 155.374 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 867728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

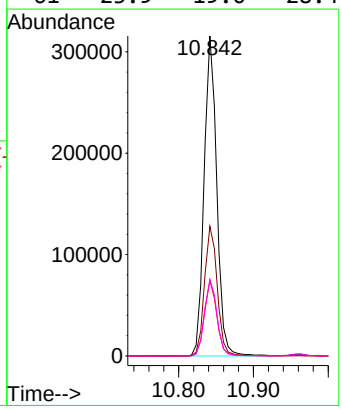


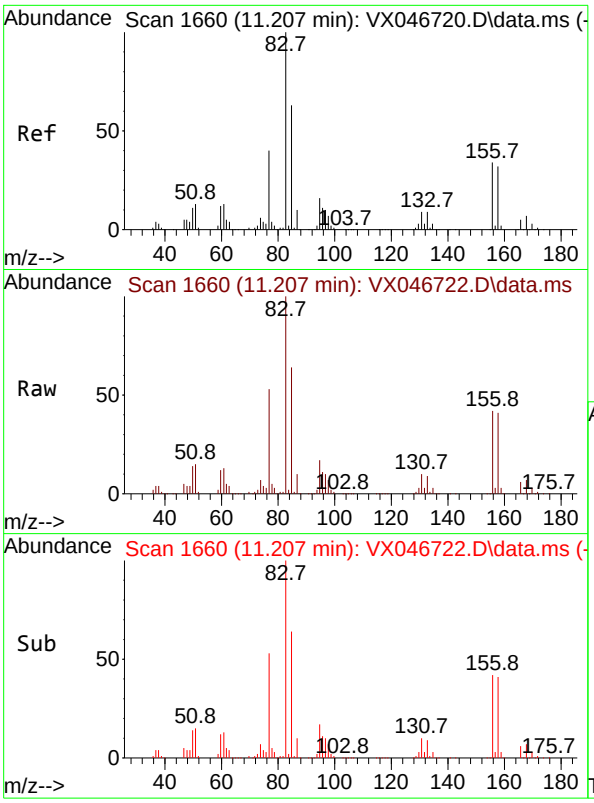




#74
N-amyl acetate
Concen: 174.748 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 43 Resp: 369757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 33.4 | 50.0 |
| 55 | 23.3 | 19.1 | 28.7 |
| 61 | 23.9 | 19.0 | 28.4 |



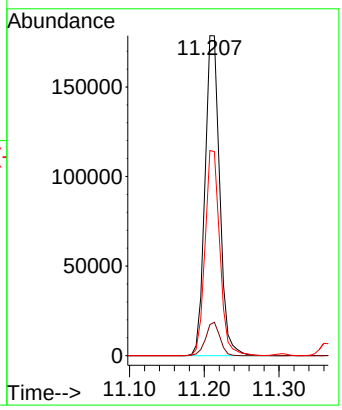


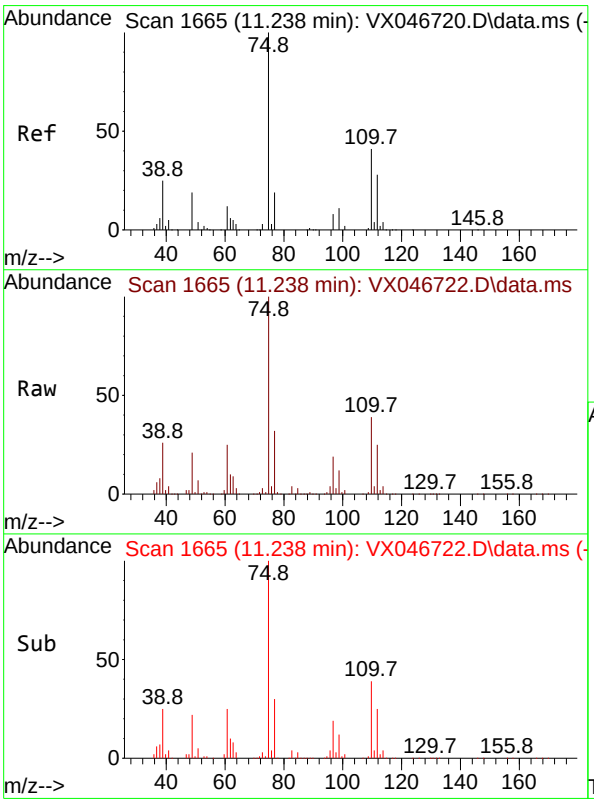

#75
1,1,2,2-Tetrachloroethane
Concen: 156.730 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 244406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |

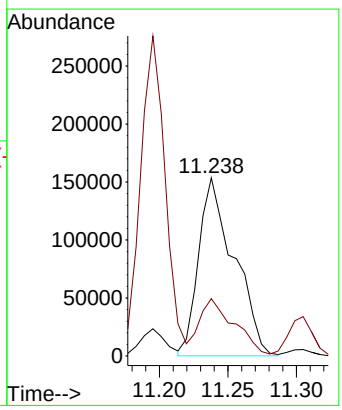


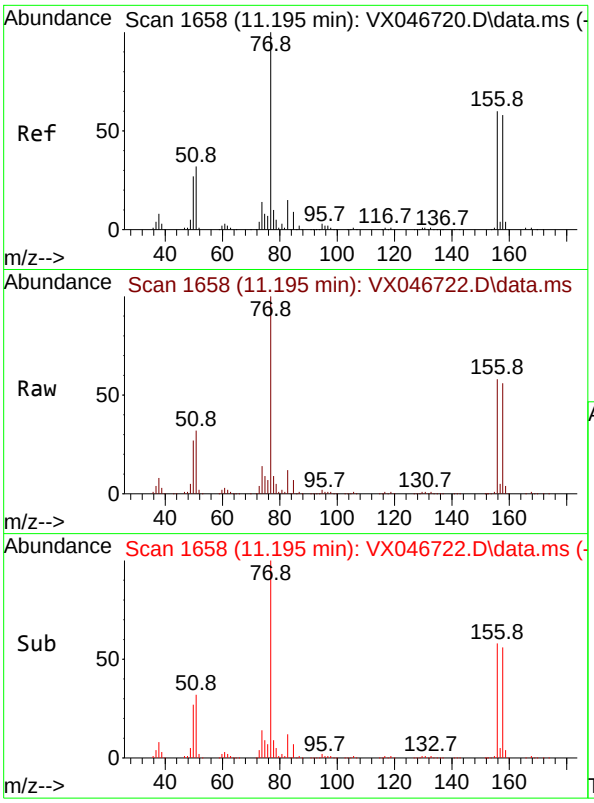




#76
1,2,3-Trichloropropane
Concen: 179.850 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 277006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 18.5 | 55.5 |



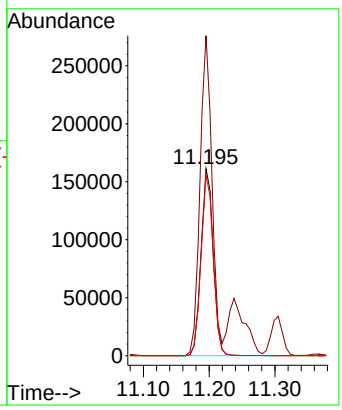


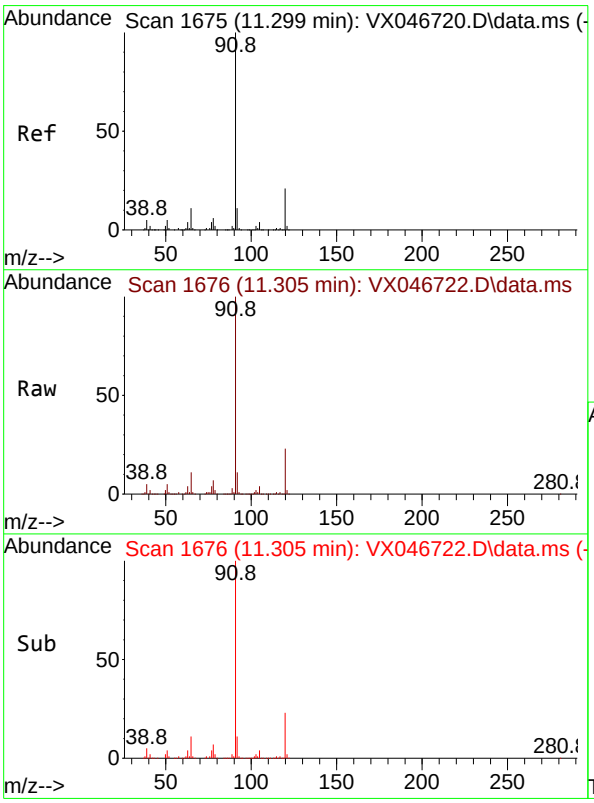

#77
Bromobenzene
Concen: 154.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 207348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.9 | 82.8 | 248.6 |
| 158 | 96.7 | 47.6 | 142.9 |

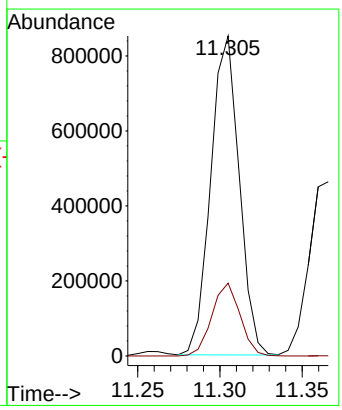


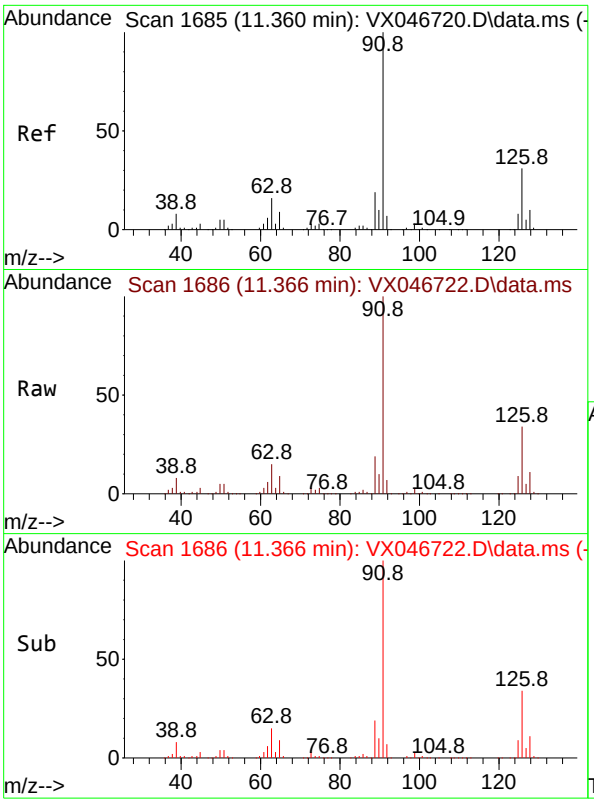




#78
n-propylbenzene
Concen: 154.633 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 1025742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |



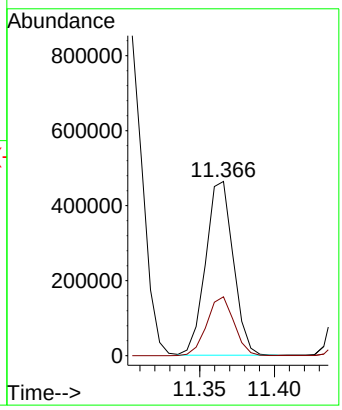


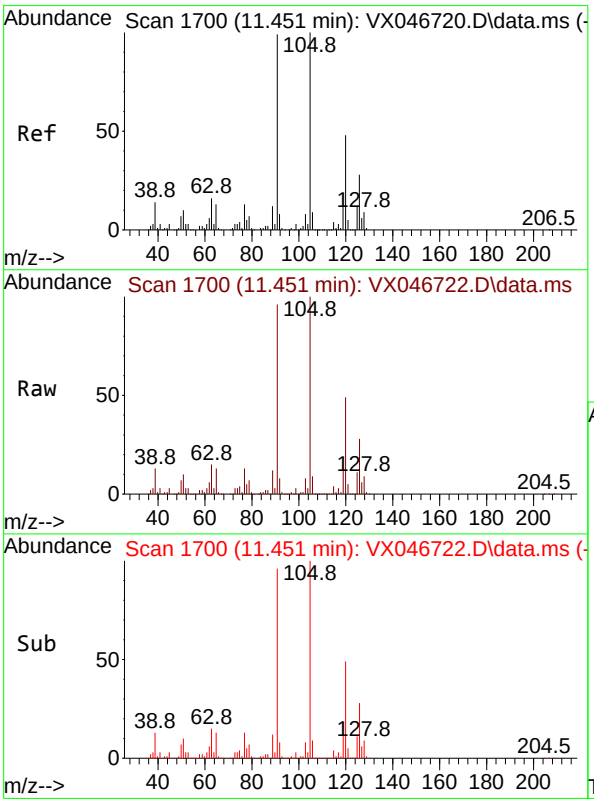

#79
2-Chlorotoluene
Concen: 150.373 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 595555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

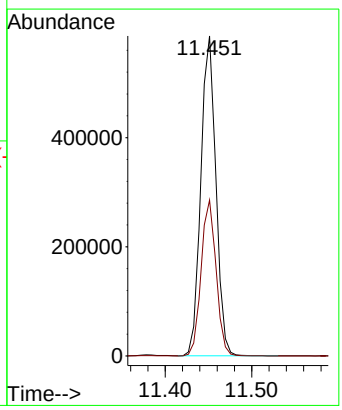


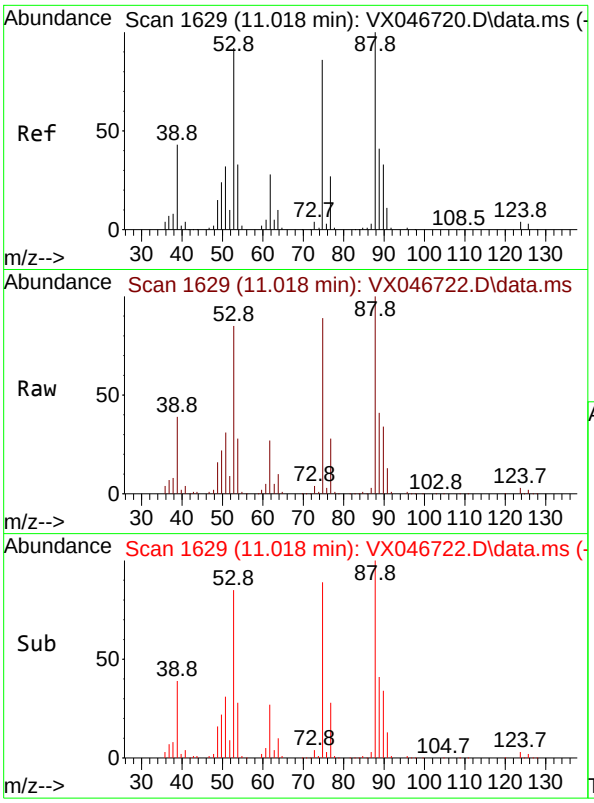




#80
1,3,5-Trimethylbenzene
Concen: 154.053 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:105 Resp: 707005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 24.1 | 72.2 |



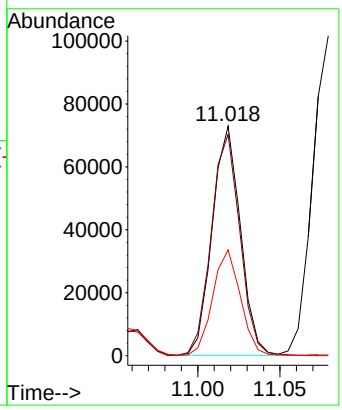


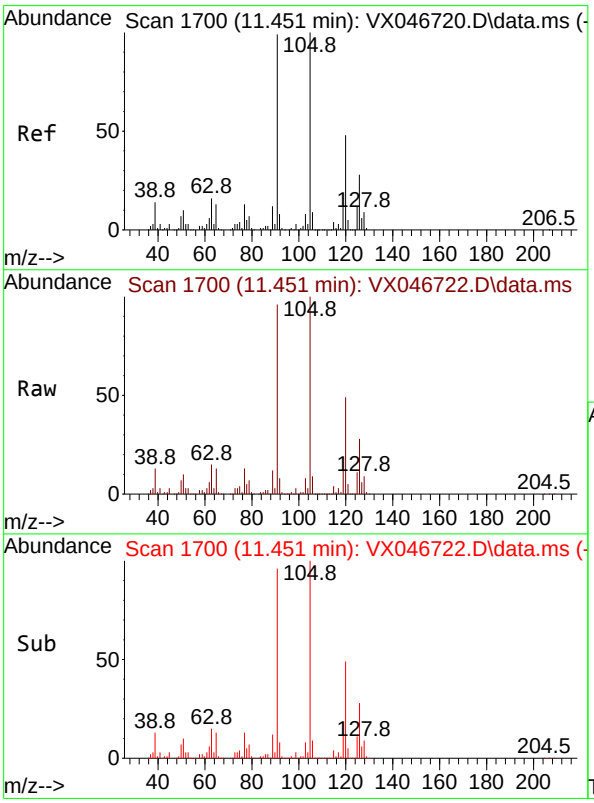

#81
trans-1,4-Dichloro-2-butene
Concen: 176.408 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 86677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 98.9 | 86.8 | 130.2 |
| 89 | 45.8 | 36.9 | 55.3 |

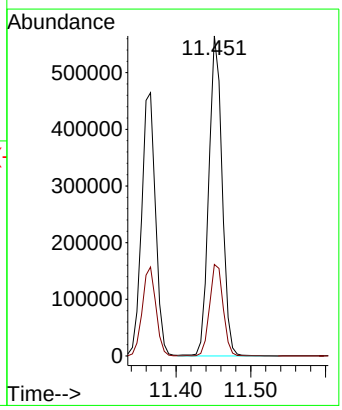


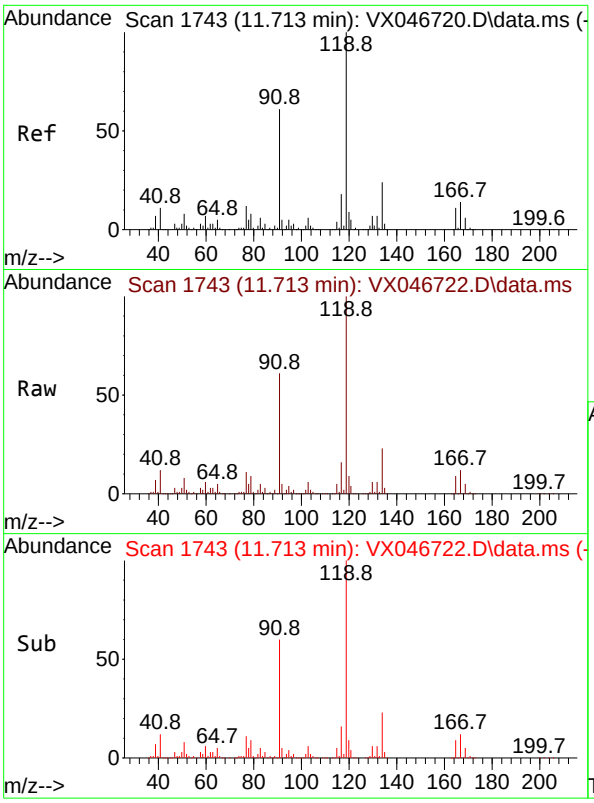




#82
4-Chlorotoluene
Concen: 150.915 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 91 Resp: 697556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |



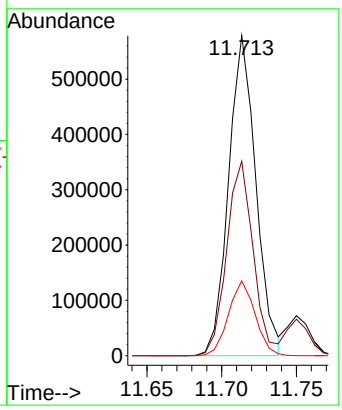


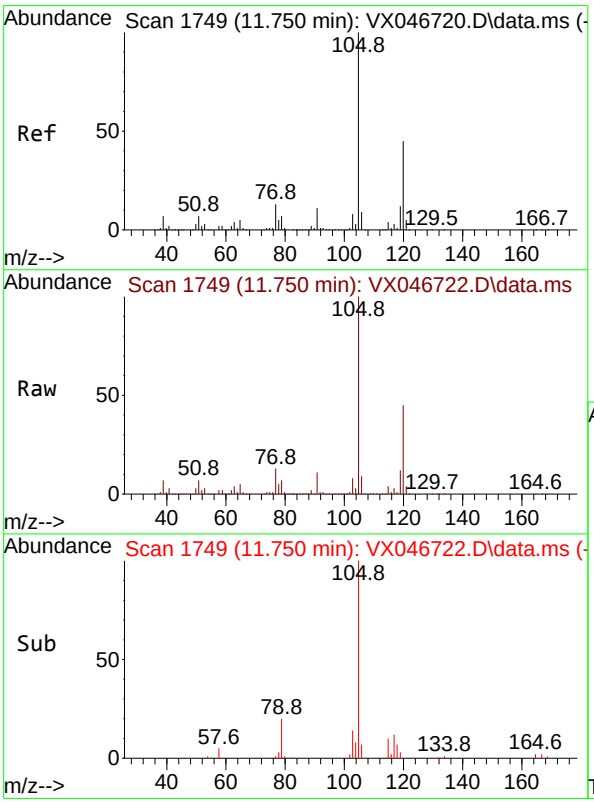

#83
tert-Butylbenzene
Concen: 155.093 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 735750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.5 | 88.6 |
| 134 | 22.8 | 11.7 | 35.0 |

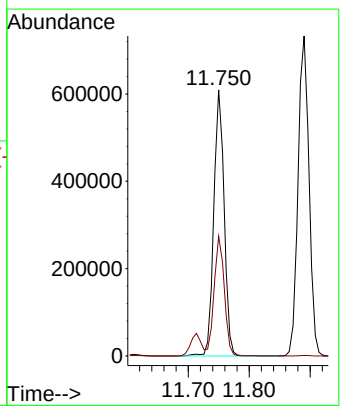


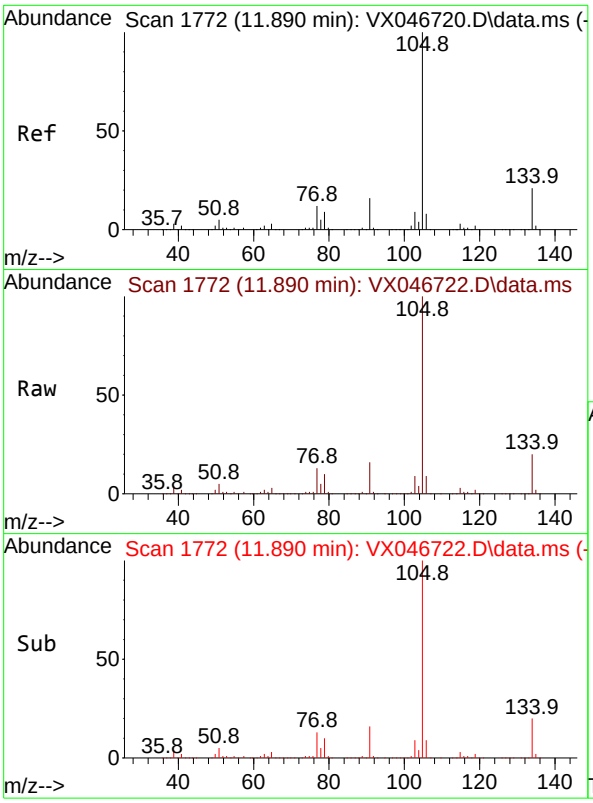




#84
1,2,4-Trimethylbenzene
Concen: 155.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:105 Resp: 719283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.1 | 66.3 |



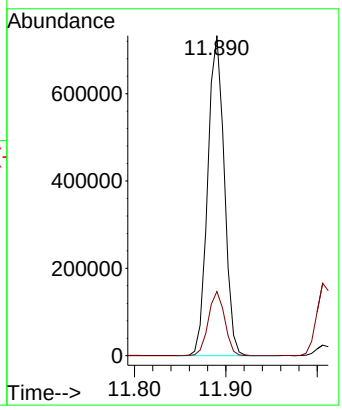


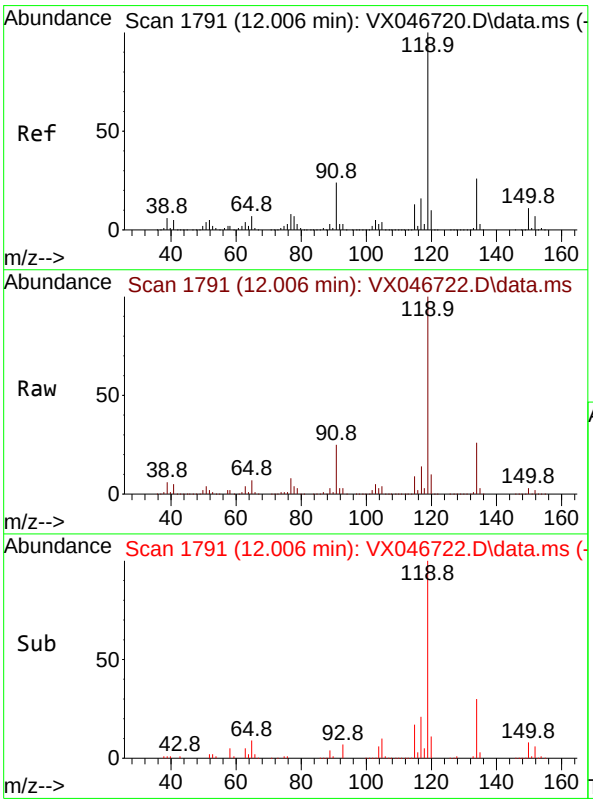

#85
sec-Butylbenzene
Concen: 152.910 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 916769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.8 | 29.4 |

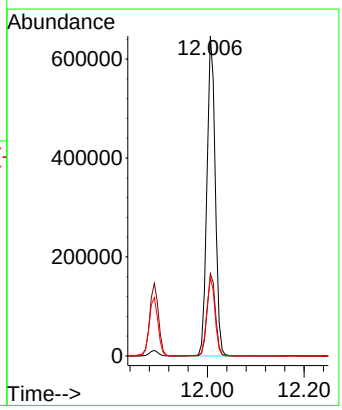


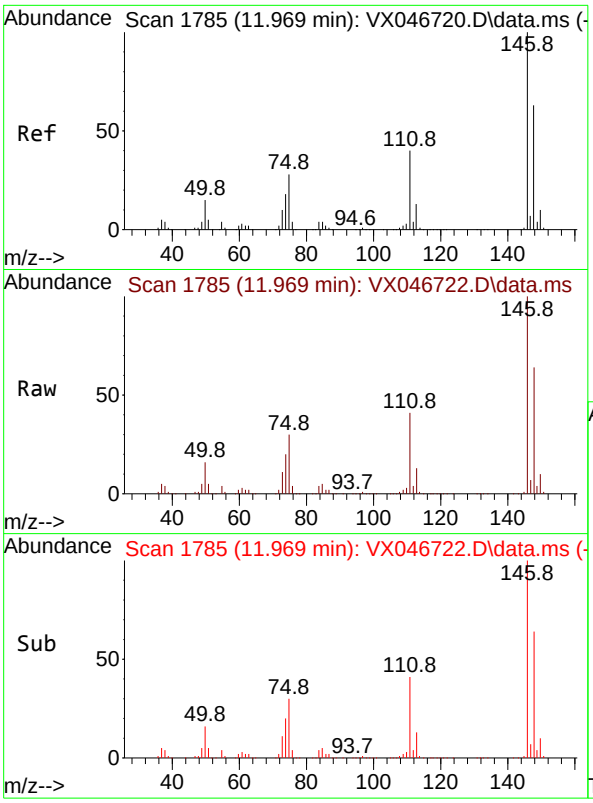




#86
p-Isopropyltoluene
Concen: 152.610 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:119 Resp: 771998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.4 | 12.3 | 36.9 |



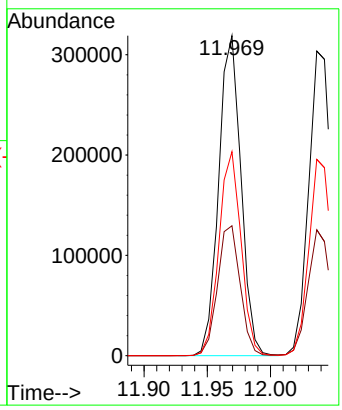


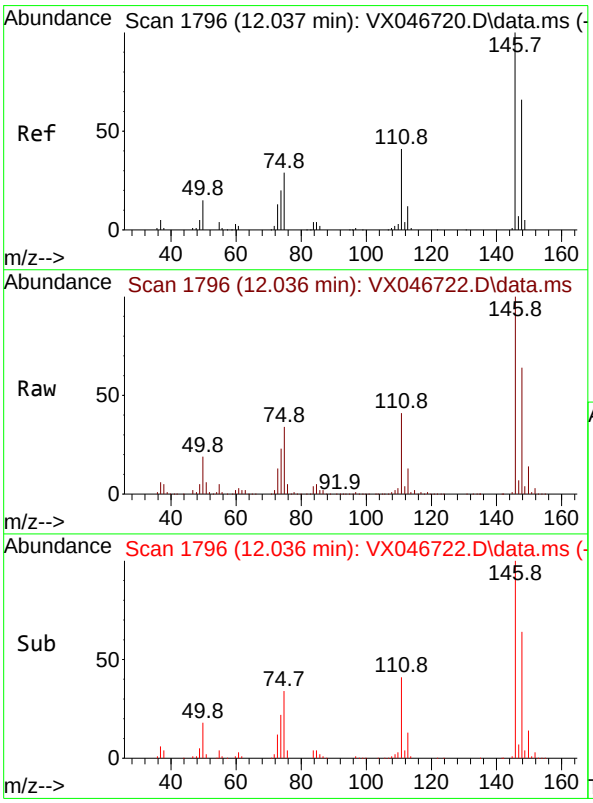

#87
1,3-Dichlorobenzene
Concen: 149.232 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 391049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 63.2 | 31.6 | 94.8 |

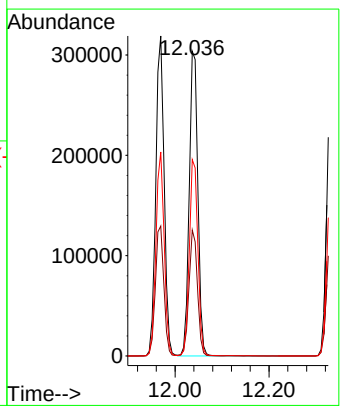


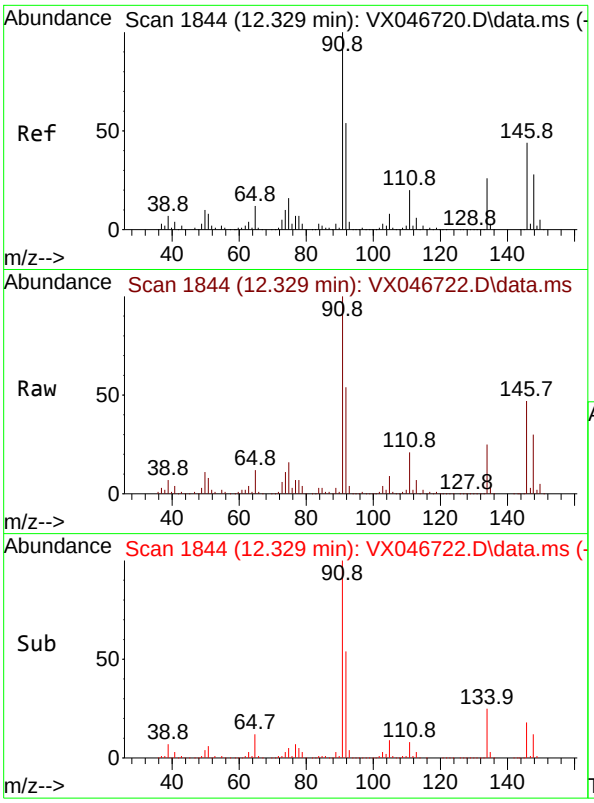




#88
1,4-Dichlorobenzene
Concen: 143.836 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:146 Resp: 387139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.3 | 61.0 |
| 148 | 63.5 | 32.1 | 96.5 |



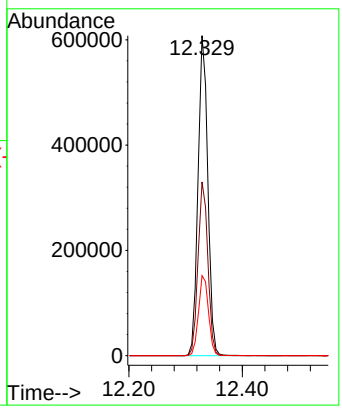


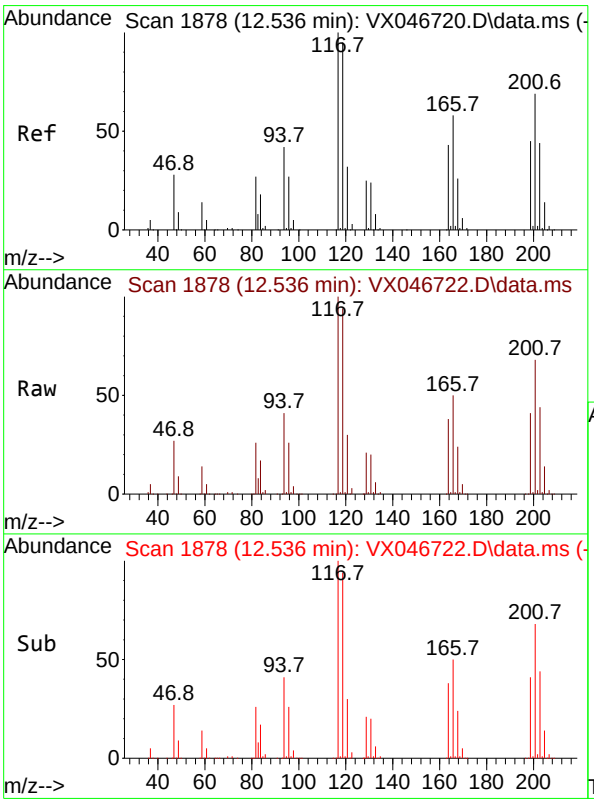

#89
n-Butylbenzene
Concen: 151.271 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 726563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.7 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |

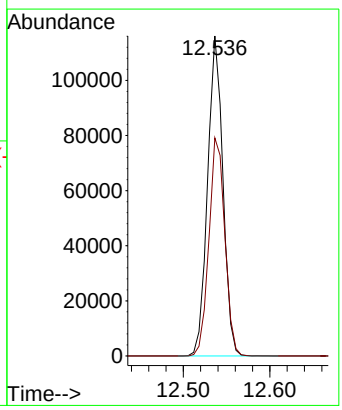


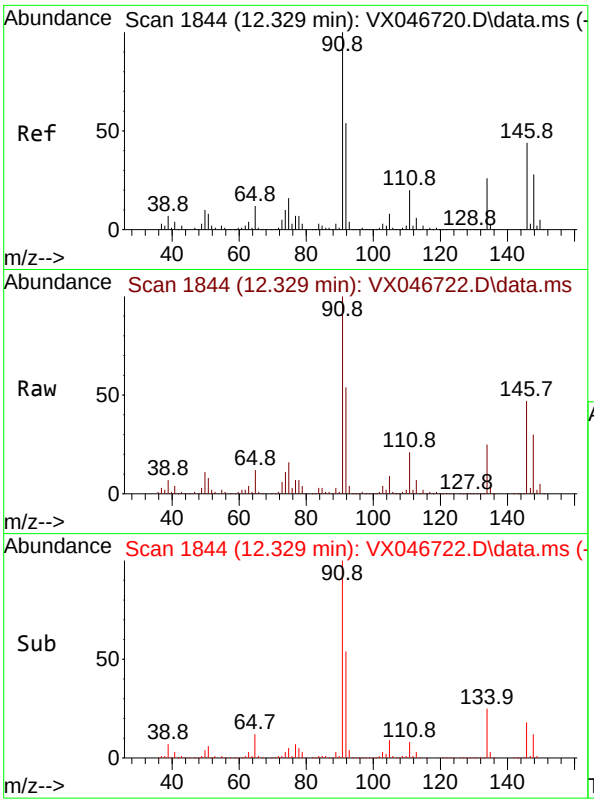




#90
Hexachloroethane
Concen: 161.049 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:117 Resp: 142663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |



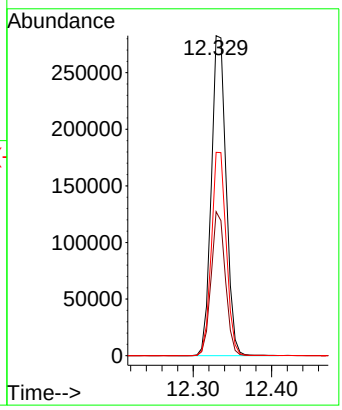


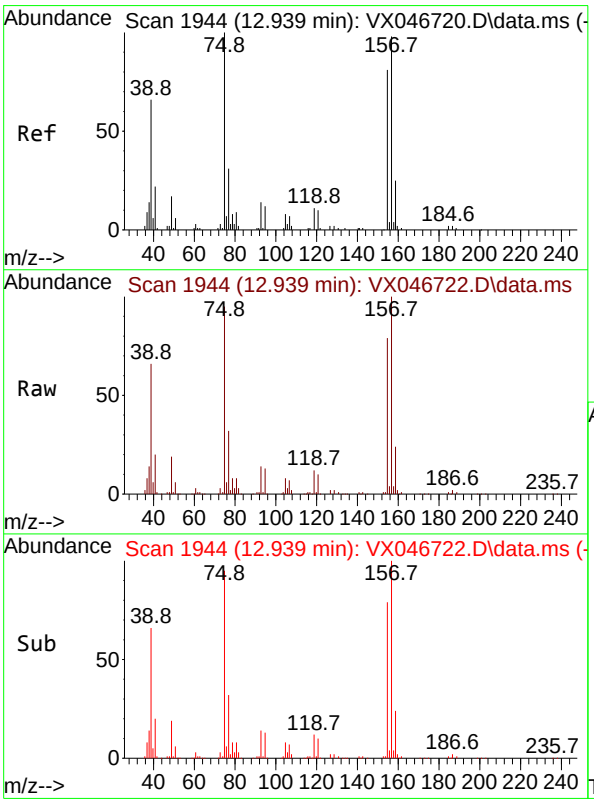

#91
1,2-Dichlorobenzene
Concen: 151.192 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 370234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 63.8 | 32.0 | 96.2 |

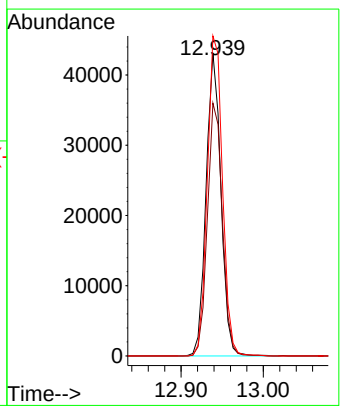


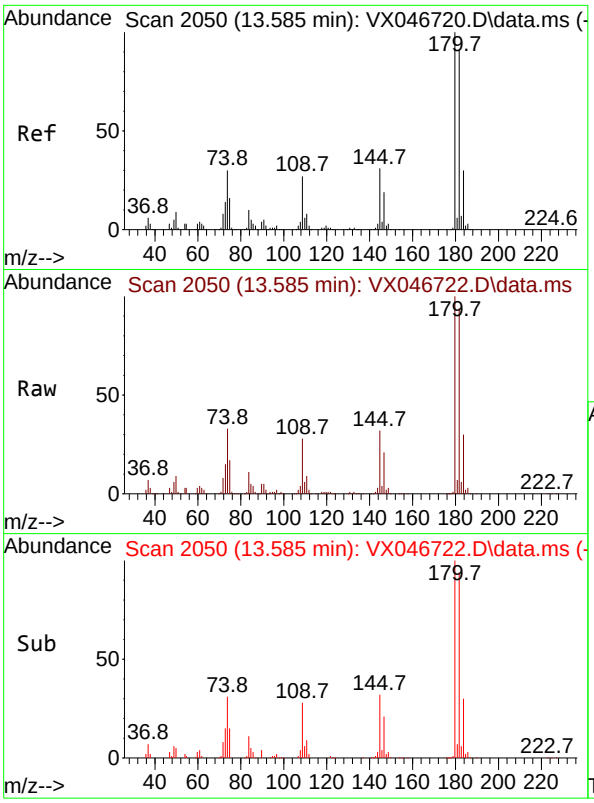




#92
1,2-Dibromo-3-Chloropropane
Concen: 175.448 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion: 75 Resp: 54014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.2 | 41.9 | 125.7 |
| 157 | 108.5 | 51.4 | 154.3 |



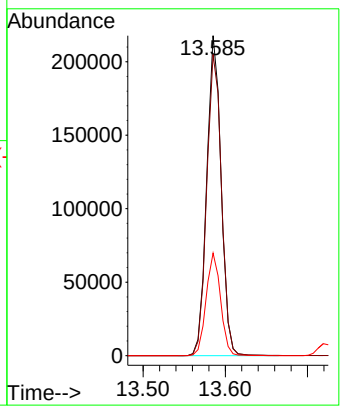


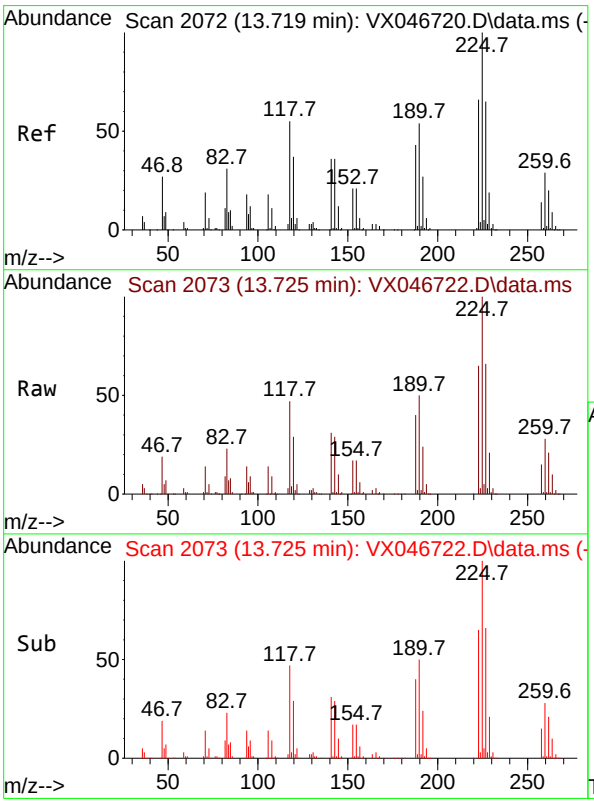

#93
1,2,4-Trichlorobenzene
Concen: 151.531 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 263803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 46.7 | 140.1 |
| 145 | 32.2 | 15.8 | 47.4 |

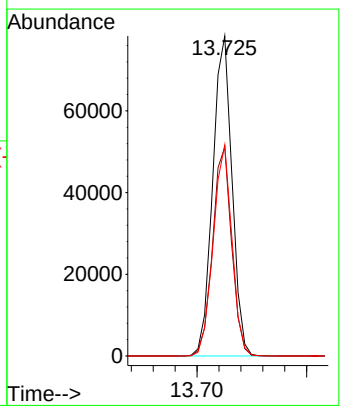


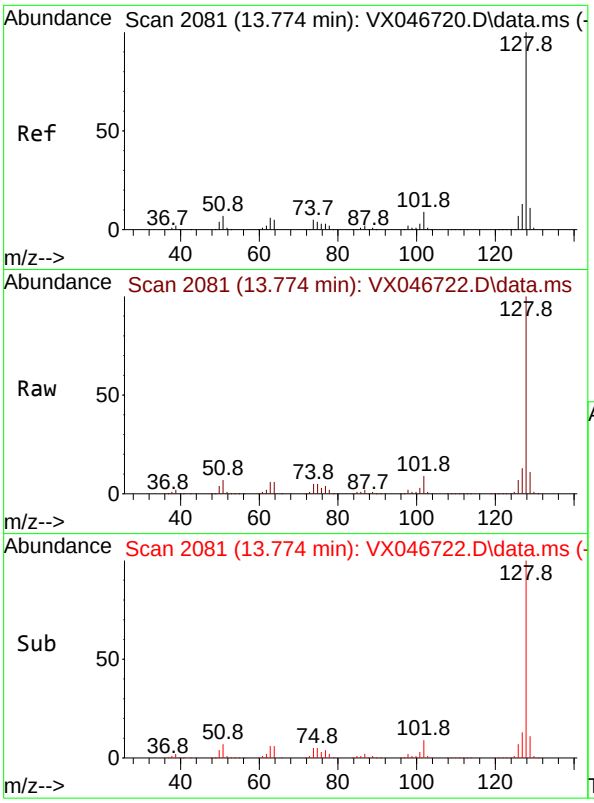




#94
Hexachlorobutadiene
Concen: 130.431 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:225 Resp: 95520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 32.5 | 97.5 |
| 227 | 64.2 | 32.2 | 96.6 |



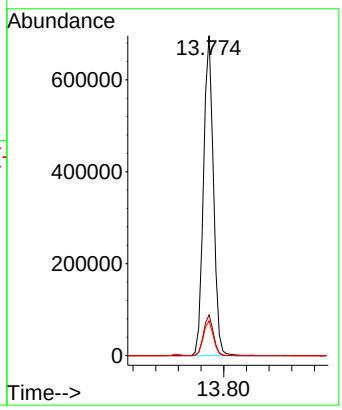


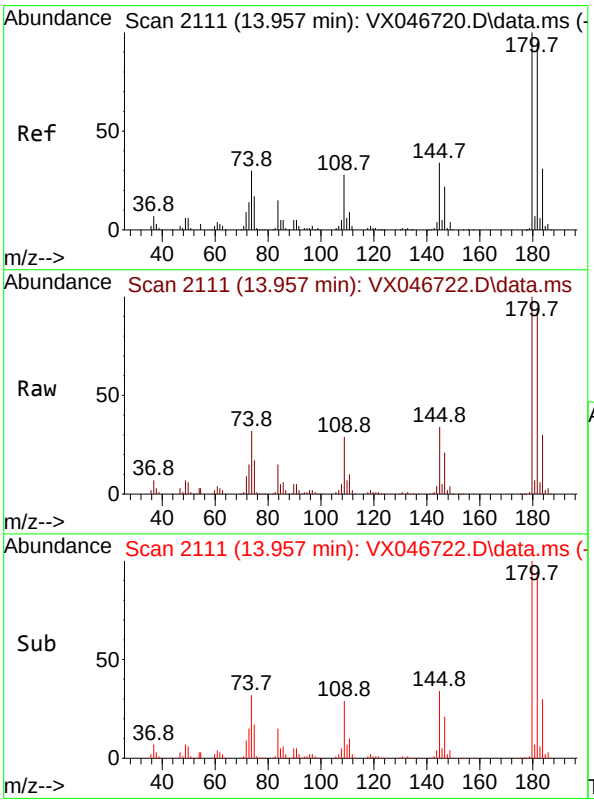

#95
Naphthalene
Concen: 170.609 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 846206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

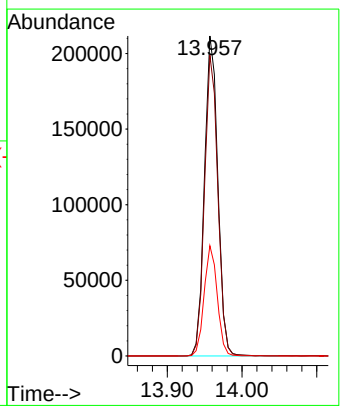



#96
1,2,3-Trichlorobenzene
Concen: 157.517 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046722.D
Acq: 17 Jun 2025 15:02

Tgt Ion:180 Resp: 262348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.8 | 143.4 |
| 145 | 33.8 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 136219 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 226094 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 205370 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 103593 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 1977 | 1.049 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 2.100%# | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 1491 | 0.997 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 2.000%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 5563 | 1.035 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 2.080%# | | | |
| 62) 4-Bromofluorobenzene | 11.085 | 95 | 2763 | 1.379 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 2.760%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 1159 | 0.797 | ug/l | | 83 |
| 3) Chloromethane | 1.307 | 50 | 1322 | 0.842 | ug/l | | 93 |
| 4) Vinyl Chloride | 1.386 | 62 | 1419 | 0.848 | ug/l | | 89 |
| 5) Bromomethane | 1.636 | 94 | 1325 | 1.407 | ug/l | | 95 |
| 6) Chloroethane | 1.703 | 64 | 905 | 0.892 | ug/l | | 90 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 2062 | 0.811 | ug/l | | 97 |
| 8) Diethyl Ether | 2.148 | 74 | 722 | 0.828 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 1280 | 0.821 | ug/l | | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 1790 | 5.171 | ug/l | | 91 |
| 11) Tert butyl alcohol | 2.953 | 59 | 606 | 3.583 | ug/l | # | 72 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 1228 | 0.816 | ug/l | # | 76 |
| 13) Acrolein | 2.252 | 56 | 1219 | 4.949 | ug/l | | 99 |
| 14) Allyl chloride | 2.672 | 41 | 2386 | 0.875 | ug/l | | 96 |
| 15) Acrylonitrile | 3.081 | 53 | 3075 | 4.044 | ug/l | | 96 |
| 16) Acetone | 2.386 | 43 | 3424 | 5.449 | ug/l | # | 80 |
| 17) Carbon Disulfide | 2.526 | 76 | 5092 | 1.121 | ug/l | | 96 |
| 18) Methyl Acetate | 2.721 | 43 | 1280 | 0.802 | ug/l | # | 87 |
| 19) Methyl tert-butyl Ether | 3.129 | 73 | 3888 | 0.830 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.800 | 84 | 1736 | 0.994 | ug/l | | 91 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 1441 | 0.895 | ug/l | # | 81 |
| 22) Diisopropyl ether | 3.770 | 45 | 4170 | 0.796 | ug/l | # | 71 |
| 23) Vinyl Acetate | 3.745 | 43 | 15507 | 3.722 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 2648 | 0.890 | ug/l | # | 79 |
| 25) 2-Butanone | 4.593 | 43 | 3422 | 3.851 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 891 | 0.411 | ug/l | | 94 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 1698 | 0.898 | ug/l | | 97 |
| 28) Bromochloromethane | 4.922 | 49 | 1307 | 0.969 | ug/l | # | 91 |
| 29) Tetrahydrofuran | 5.032 | 42 | 2212 | 3.854 | ug/l | # | 54 |
| 30) Chloroform | 5.123 | 83 | 700 | 0.235 | ug/l | | 86 |
| 31) Cyclohexane | 5.477 | 56 | 2208 | 0.783 | ug/l | | 86 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 2212 | 0.848 | ug/l | # | 50 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 2016 | 0.934 | ug/l | | 90 |
| 37) Ethyl Acetate | 4.739 | 43 | 806 | 0.404 | ug/l | # | 71 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 2124 | 0.906 | ug/l | | 92 |
| 39) Methylcyclohexane | 7.379 | 83 | 2485 | 0.875 | ug/l | | 87 |
| 40) Benzene | 6.044 | 78 | 5507 | 0.862 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 311 | 0.293 ug/l # | 51 |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 1938 | 0.863 ug/l # | 75 |
| 43) Isopropyl Acetate | 6.367 | 43 | 2218 | 0.711 ug/l # | 83 |
| 44) Trichloroethene | 7.135 | 130 | 1448 | 0.889 ug/l | 87 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 1380 | 0.871 ug/l # | 89 |
| 46) Dibromomethane | 7.592 | 93 | 1030 | 0.905 ug/l | 89 |
| 47) Bromodichloromethane | 7.824 | 83 | 1825 | 0.786 ug/l # | 82 |
| 48) Methyl methacrylate | 7.720 | 41 | 1050 | 0.671 ug/l # | 80 |
| 49) 1,4-Dioxane | 7.671 | 88 | 56 | 28.694 ug/l # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 7273 | 3.910 ug/l | 97 |
| 52) Toluene | 8.726 | 92 | 3393 | 0.856 ug/l | 96 |
| 53) t-1,3-Dichloropropene | 8.994 | 75 | 1607 | 0.746 ug/l # | 87 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 1971 | 0.806 ug/l # | 57 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1297 | 0.878 ug/l # | 83 |
| 56) Ethyl methacrylate | 9.122 | 69 | 1477 | 0.678 ug/l | 93 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 2249 | 0.885 ug/l | 95 |
| 58) 2-Chloroethyl Vinyl ether | 8.251 | 63 | 3778 | 3.337 ug/l | 92 |
| 59) 2-Hexanone | 9.439 | 43 | 4833 | 3.758 ug/l | 94 |
| 60) Dibromochloromethane | 9.525 | 129 | 1436 | 0.825 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1209 | 0.805 ug/l | 90 |
| 64) Tetrachloroethene | 9.275 | 164 | 1399 | 0.983 ug/l | 95 |
| 65) Chlorobenzene | 10.073 | 112 | 4127 | 0.910 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 1242 | 0.815 ug/l # | 64 |
| 67) Ethyl Benzene | 10.195 | 91 | 6967 | 0.880 ug/l | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 5214 | 1.767 ug/l | 98 |
| 69) o-Xylene | 10.646 | 106 | 2045 | 0.739 ug/l | 80 |
| 70) Styrene | 10.659 | 104 | 4077 | 0.842 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 927 | 0.799 ug/l # | 96 |
| 73) Isopropylbenzene | 10.963 | 105 | 6314 | 0.828 ug/l | 97 |
| 74) N-amyl acetate | 10.848 | 43 | 1921 | 0.665 ug/l # | 85 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 1690 | 0.793 ug/l | 93 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 1746 | 0.830 ug/l | 77 |
| 77) Bromobenzene | 11.201 | 156 | 1541 | 0.839 ug/l | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 7545 | 0.833 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 4896 | 0.905 ug/l | 93 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5174 | 0.825 ug/l | 94 |
| 81) trans-1,4-Dichloro-2-b... | 11.031 | 75 | 391 | 0.582 ug/l # | 81 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 5664 | 0.897 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 5507 | 0.850 ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 5087 | 0.808 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6839 | 0.835 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 6018 | 0.871 ug/l | 92 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 3509 | 0.980 ug/l | 96 |
| 88) 1,4-Dichlorobenzene | 11.969 | 146 | 3509 | 0.954 ug/l | 96 |
| 89) n-Butylbenzene | 12.335 | 91 | 6186 | 0.943 ug/l | 96 |
| 90) Hexachloroethane | 12.536 | 117 | 1081 | 0.893 ug/l | 90 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 3024 | 0.904 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.951 | 75 | 277 | 0.659 ug/l | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 2424 | 1.019 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 1025 | 1.025 ug/l | 97 |
| 95) Naphthalene | 13.780 | 128 | 5461 | 0.806 ug/l | 96 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1982 | 0.871 ug/l | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

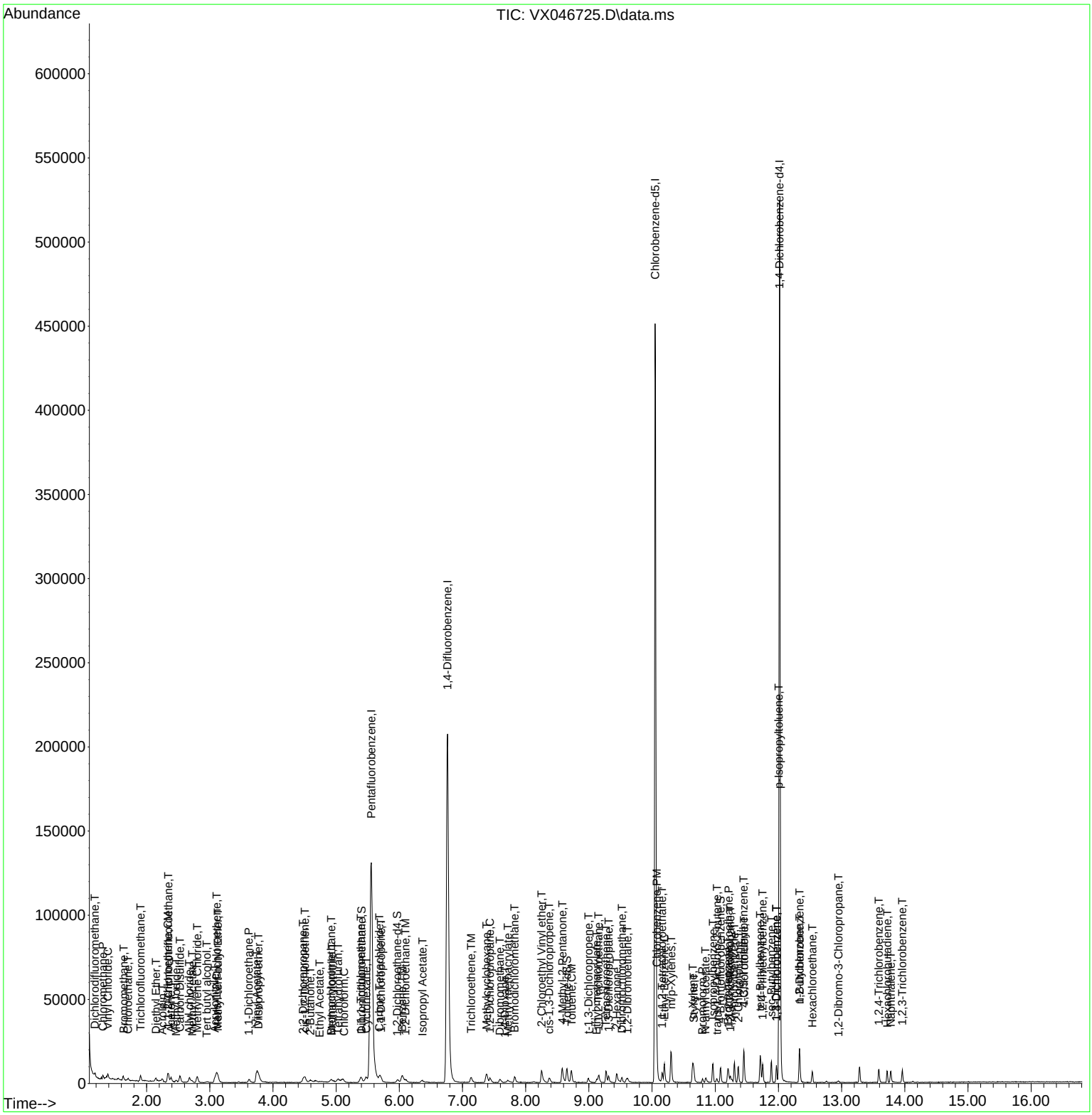
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

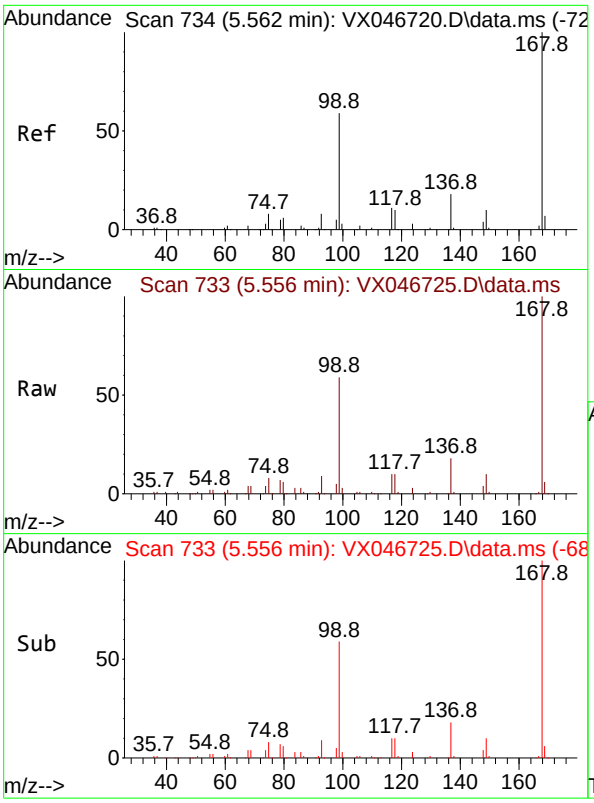
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



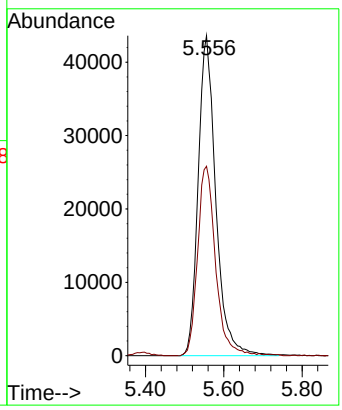


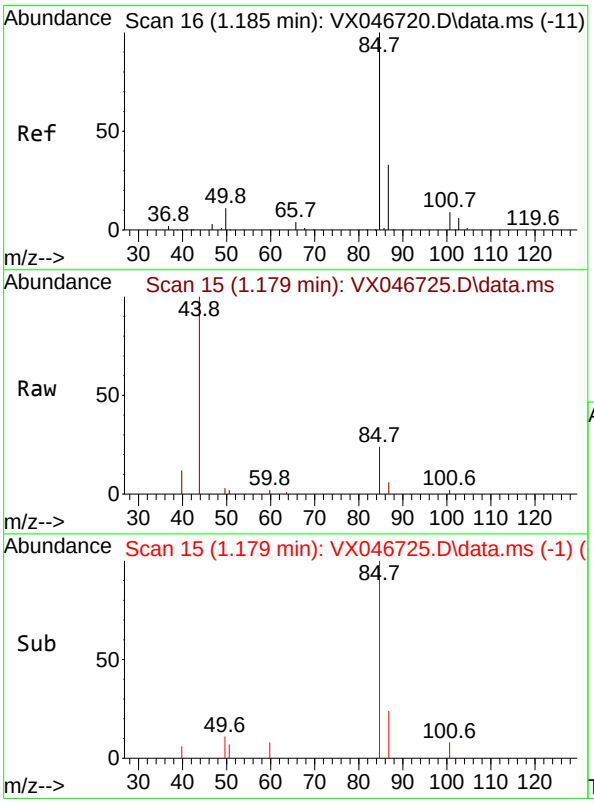

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:168 Resp: 136219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 48.5 | 72.7 |

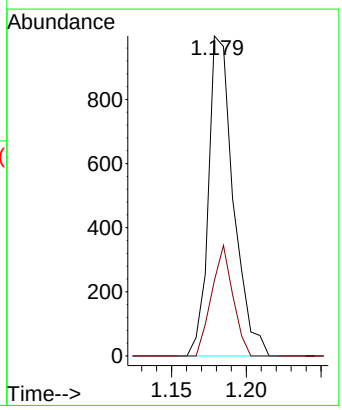


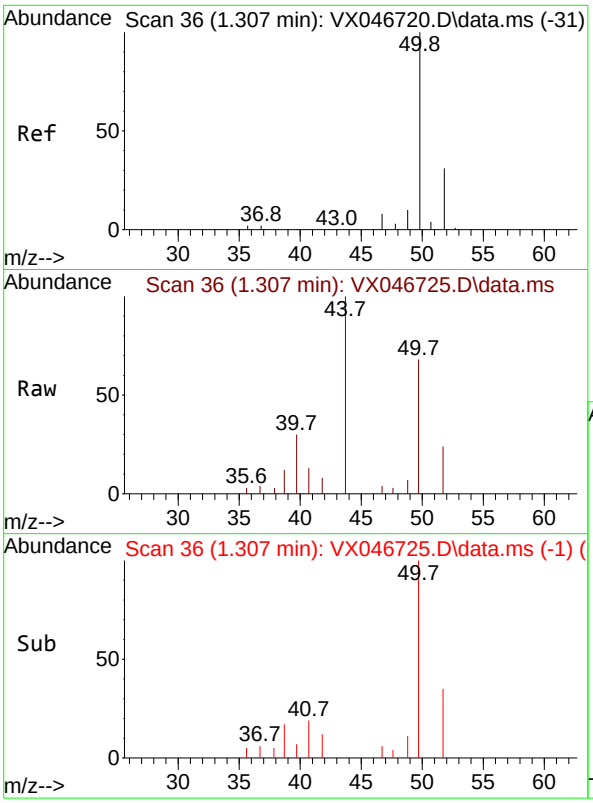




#2
Dichlorodifluoromethane
Concen: 0.797 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 85 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 23.5 | 16.6 | 49.8 |



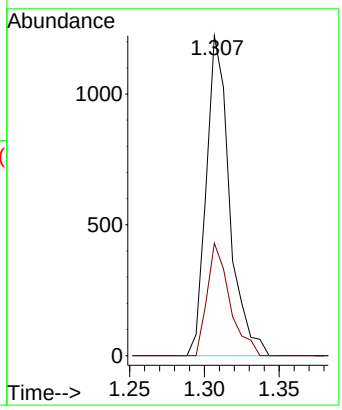


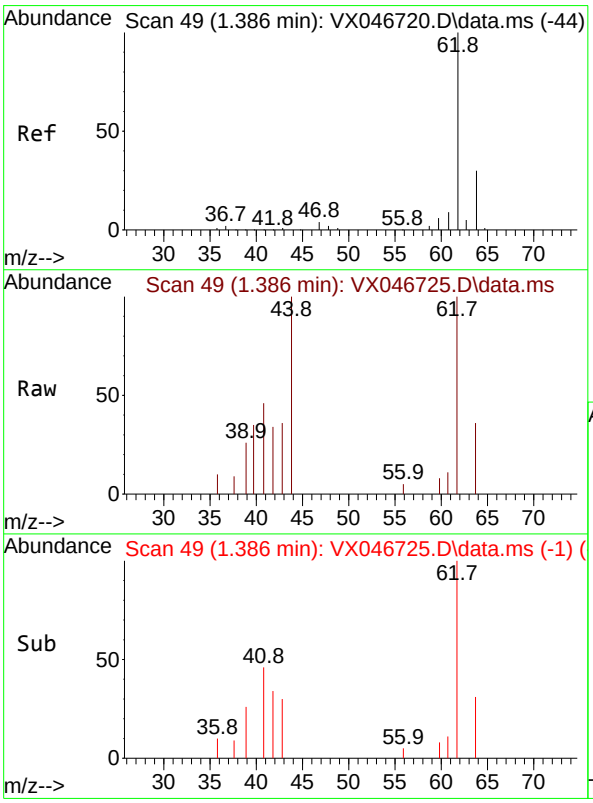

#3
Chloromethane
Concen: 0.842 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 50 Resp: 1322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.2 | 24.9 | 37.3 |

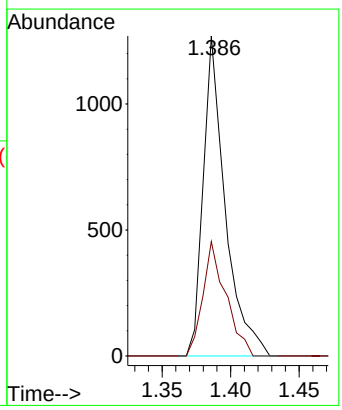


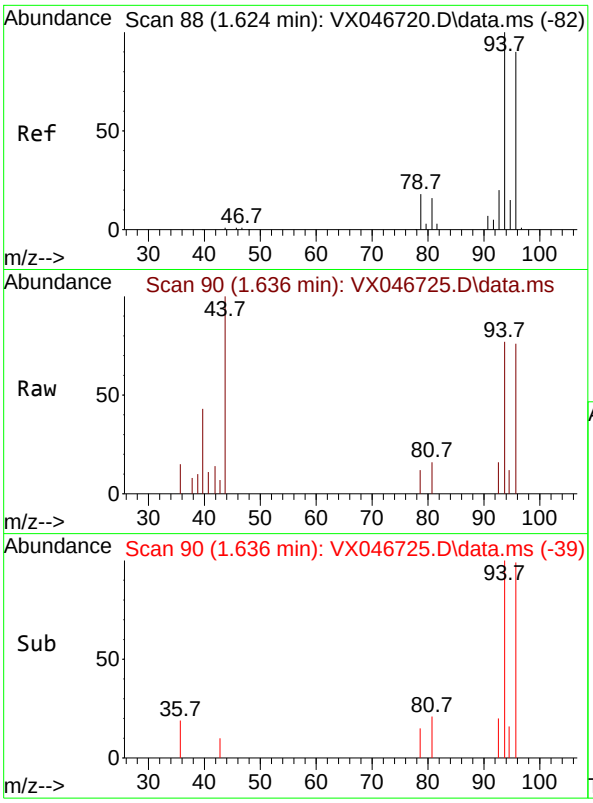




#4
Vinyl Chloride
Concen: 0.848 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 62 Resp: 1419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 35.7 | 23.9 | 35.9 |



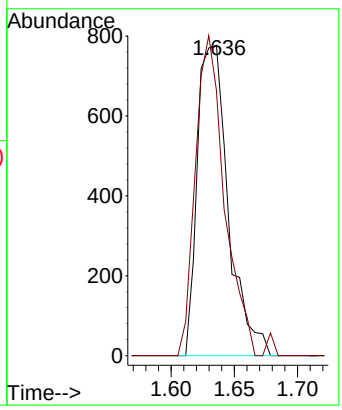


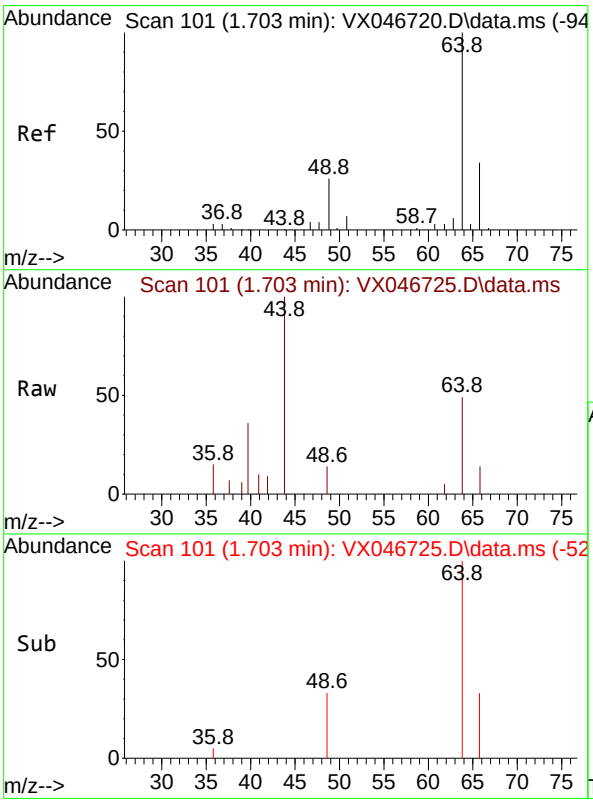

#5
Bromomethane
Concen: 1.407 ug/l
RT: 1.636 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 94 Resp: 1325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.5 | 72.3 | 108.5 |

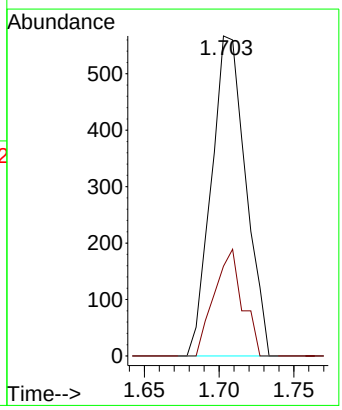


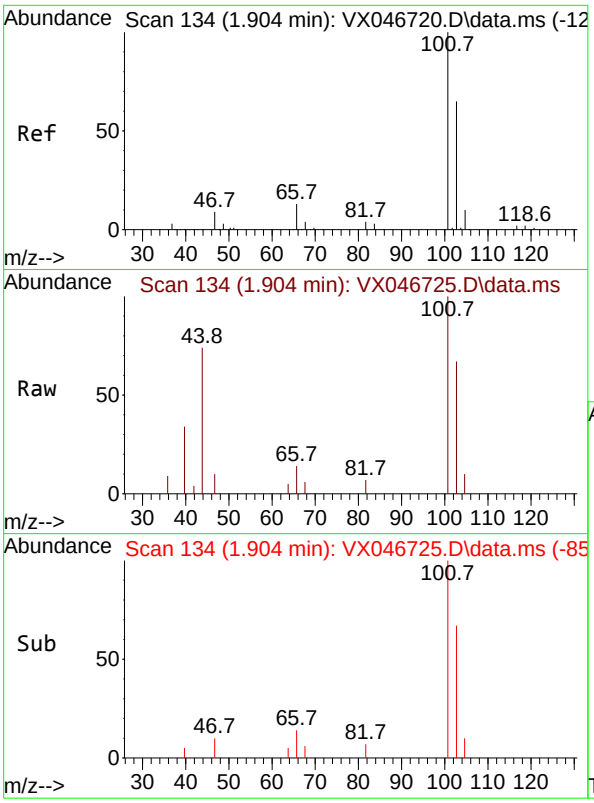




#6
Chloroethane
Concen: 0.892 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 64 Resp: 905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 28.0 | 27.1 | 40.7 |



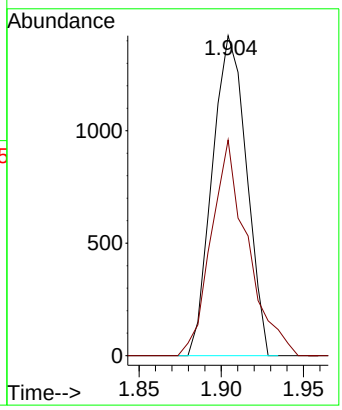


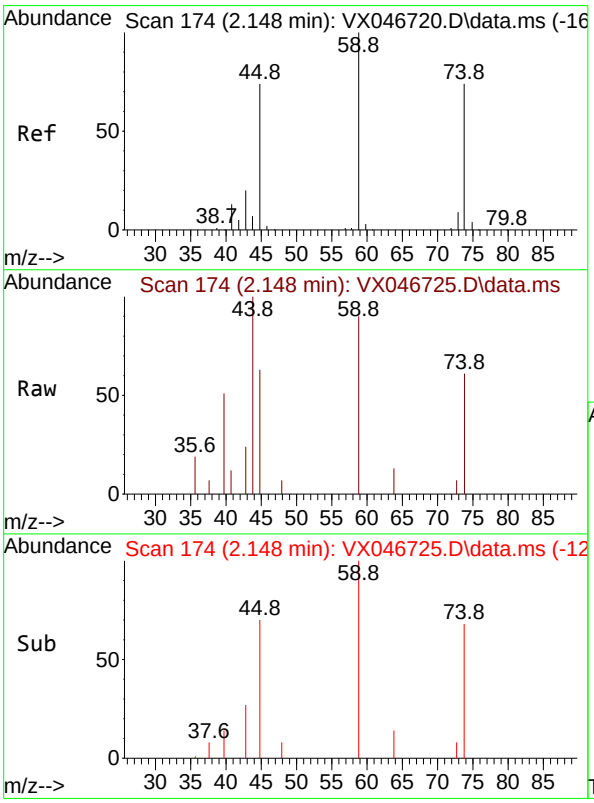

#7
Trichlorofluoromethane
Concen: 0.811 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 2062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.4 | 51.8 | 77.8 |

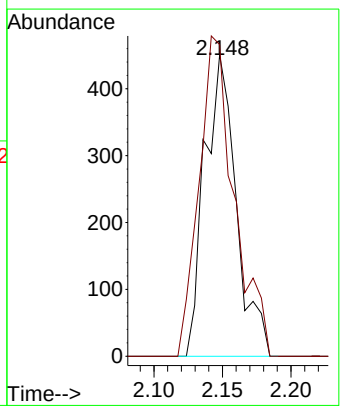


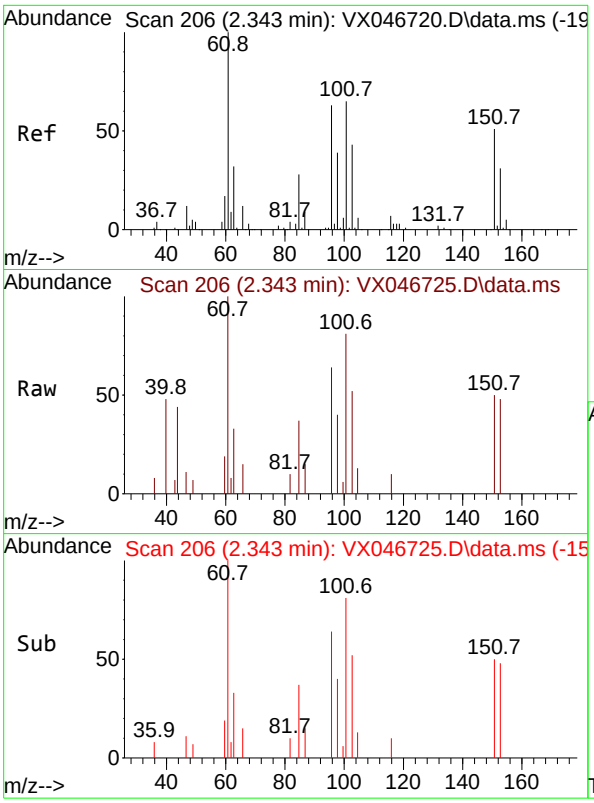




#8
Diethyl Ether
Concen: 0.828 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 74 Resp: 722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 118.6 | 52.3 | 157.1 |



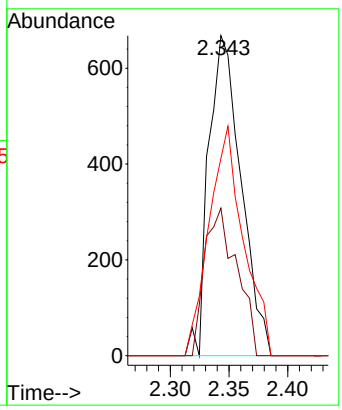


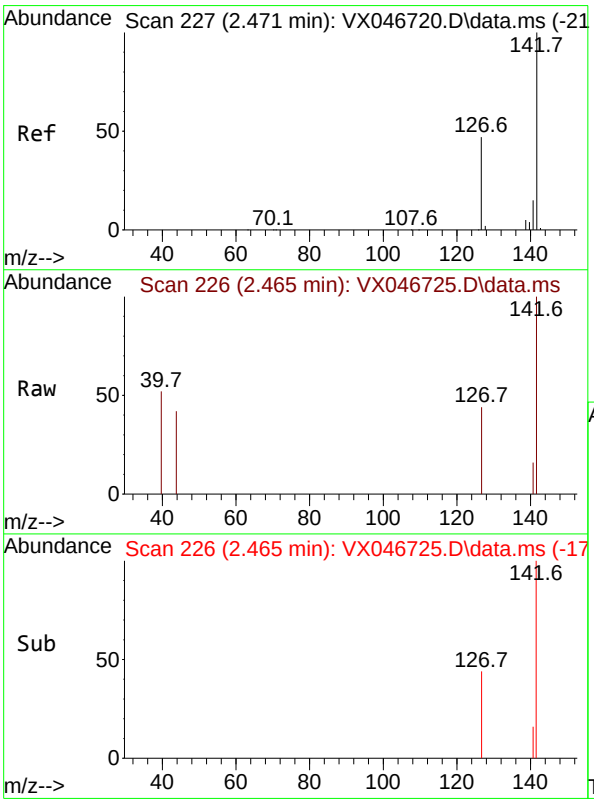

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.821 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 1280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.9 | 35.4 | 53.0 |
| 151 | 76.5 | 61.2 | 91.8 |

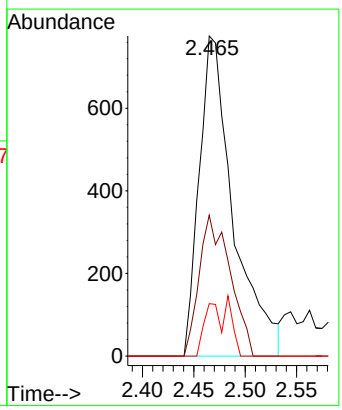


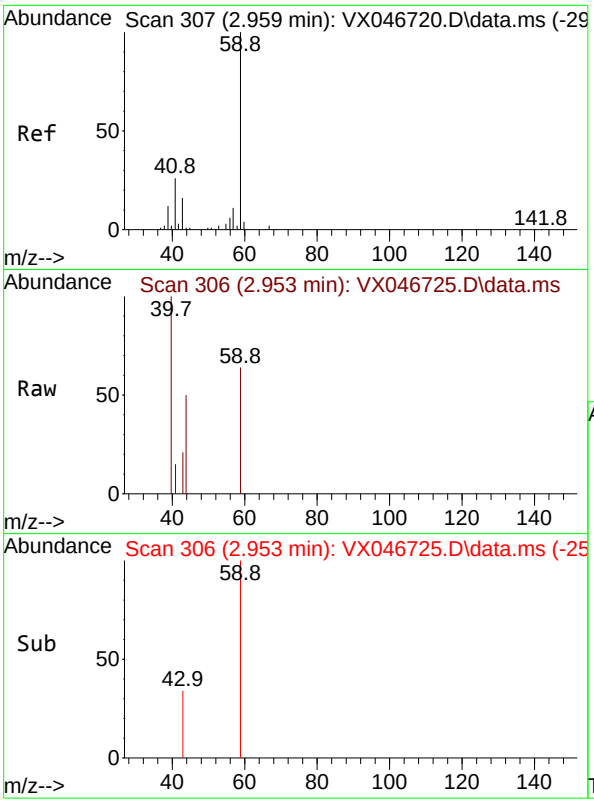




#10
Methyl Iodide
Concen: 5.171 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:142 Resp: 1790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 40.0 | 37.0 | 55.6 |
| 141 | 12.0 | 11.5 | 17.3 |



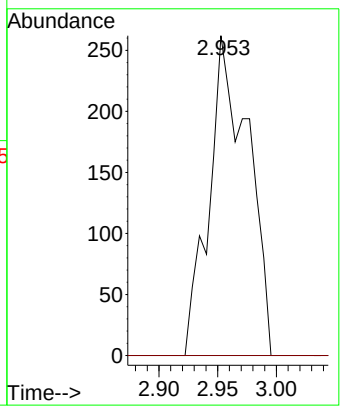


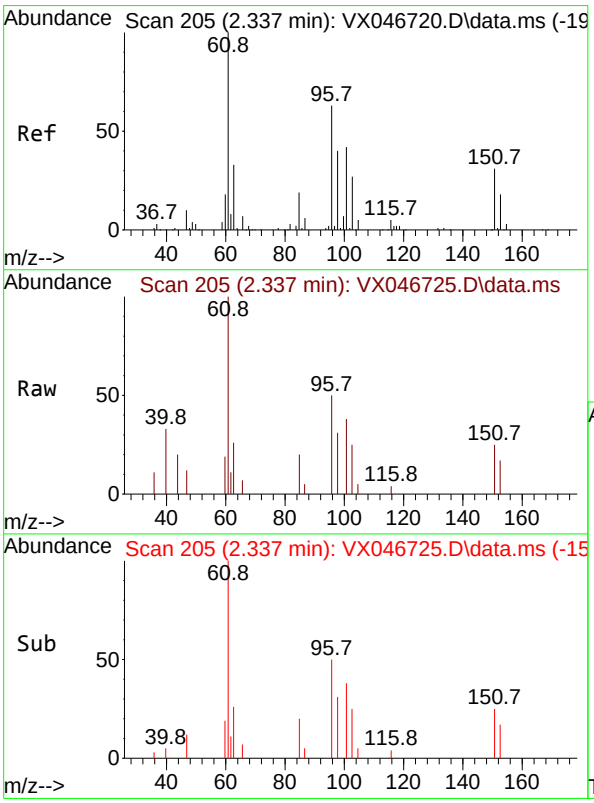

#11
Tert butyl alcohol
Concen: 3.583 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 59 Resp: 606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.3 | 12.5# |

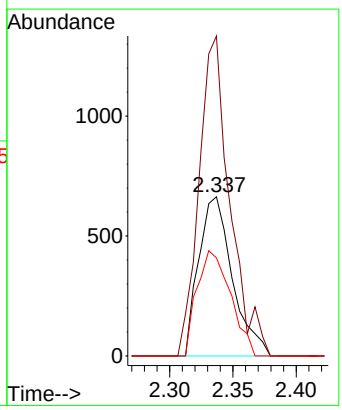


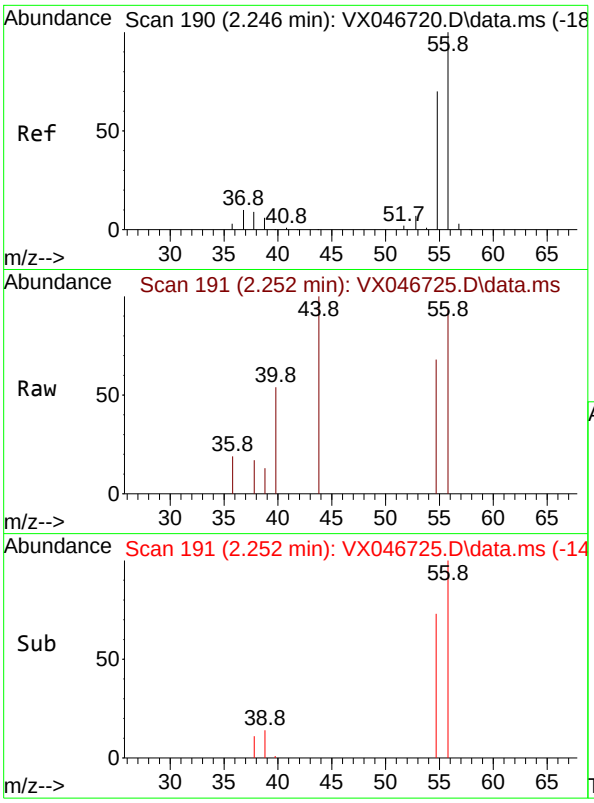




#12
1,1-Dichloroethene
Concen: 0.816 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 96 Resp: 1228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 200.9 | 126.6 | 189.8# |
| 98 | 61.6 | 50.7 | 76.1 |



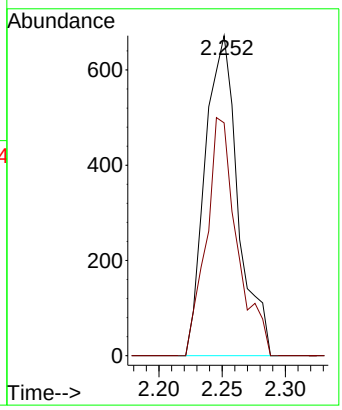


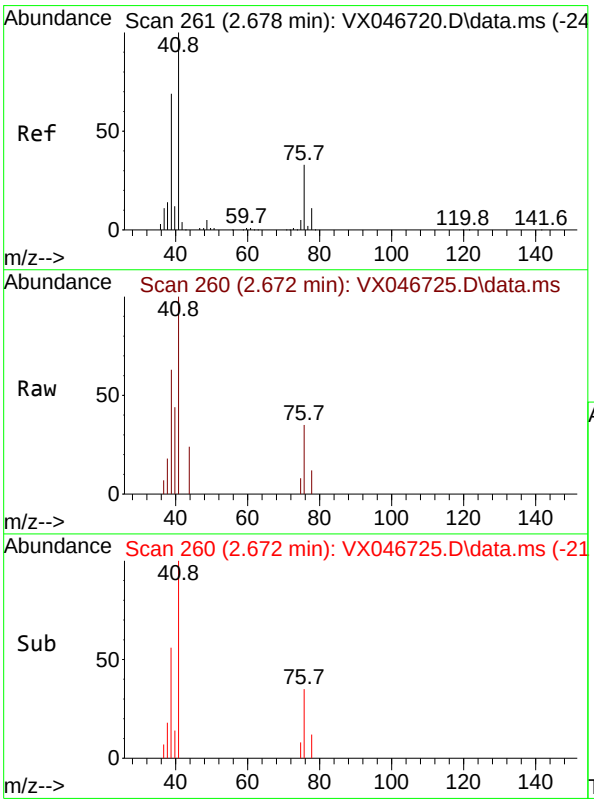

#13
Acrolein
Concen: 4.949 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 1219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.6 | 55.2 | 82.8 |

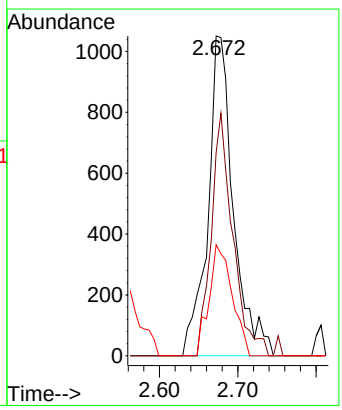


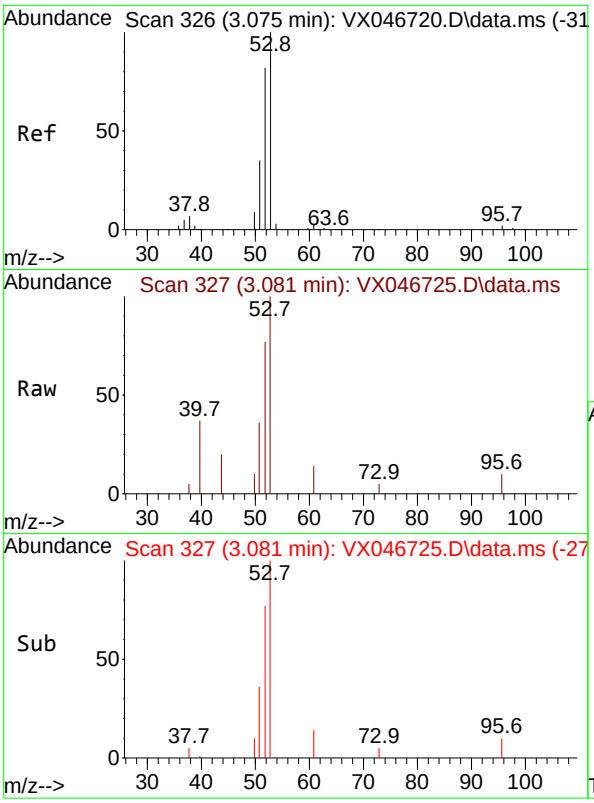




#14
Allyl chloride
Concen: 0.875 ug/l
RT: 2.672 min Scan# 260
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 41 Resp: 2386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 64.2 | 53.6 | 80.4 |
| 76 | 31.4 | 26.8 | 40.2 |



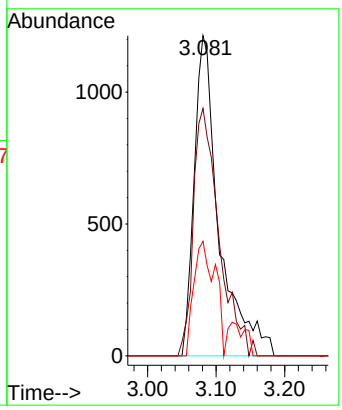


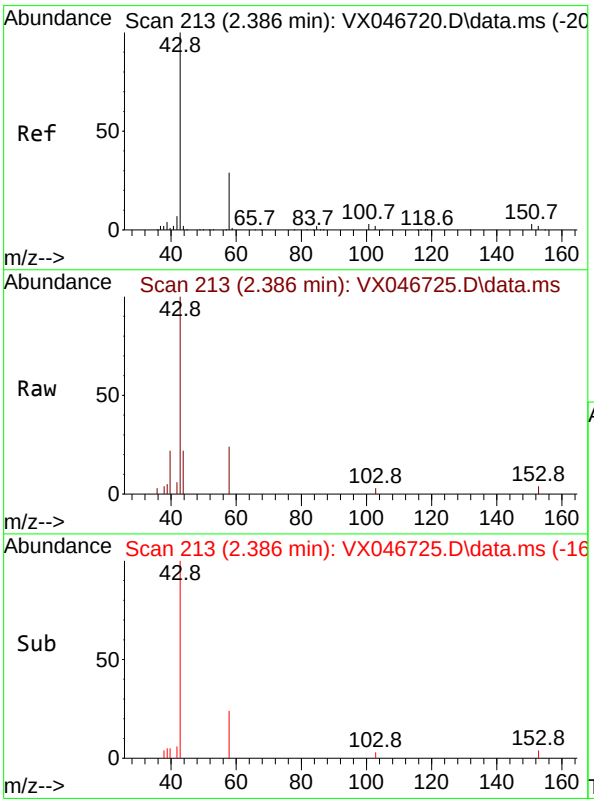

#15
Acrylonitrile
Concen: 4.044 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 53 Resp: 3075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 79.2 | 65.1 | 97.7 |
| 51 | 31.7 | 28.9 | 43.3 |

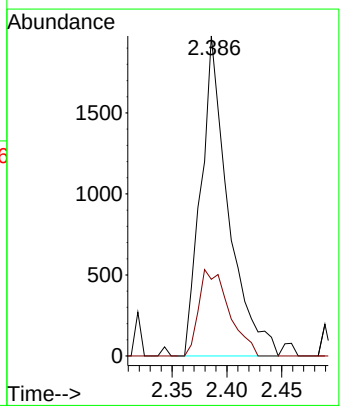


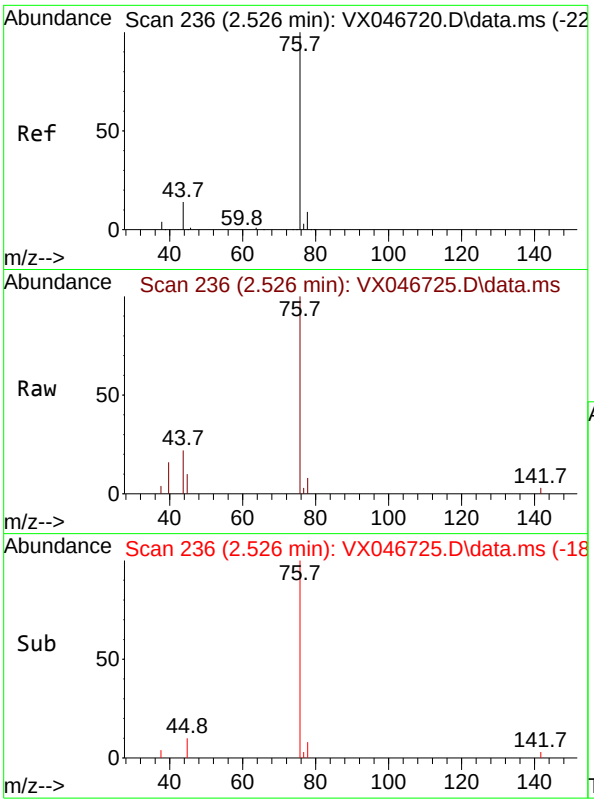




#16
Acetone
Concen: 5.449 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 3424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.6 | 24.5 | 36.7# |



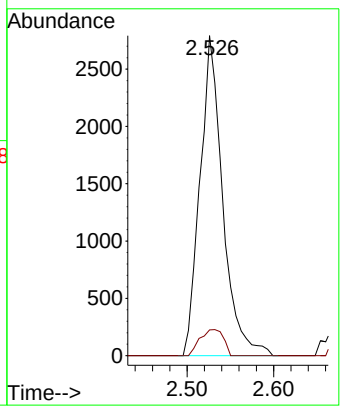


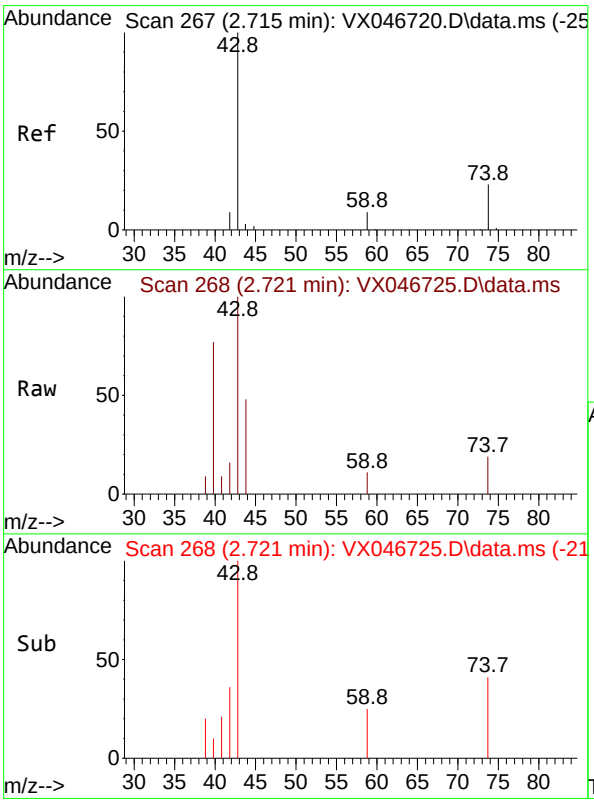

#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 5092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.1 | 7.5 | 11.3 |

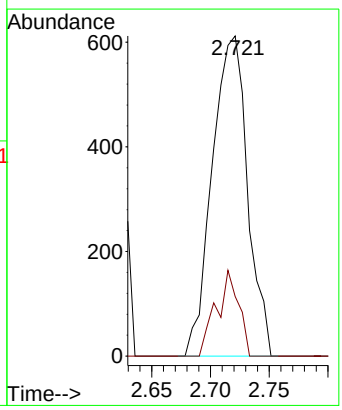


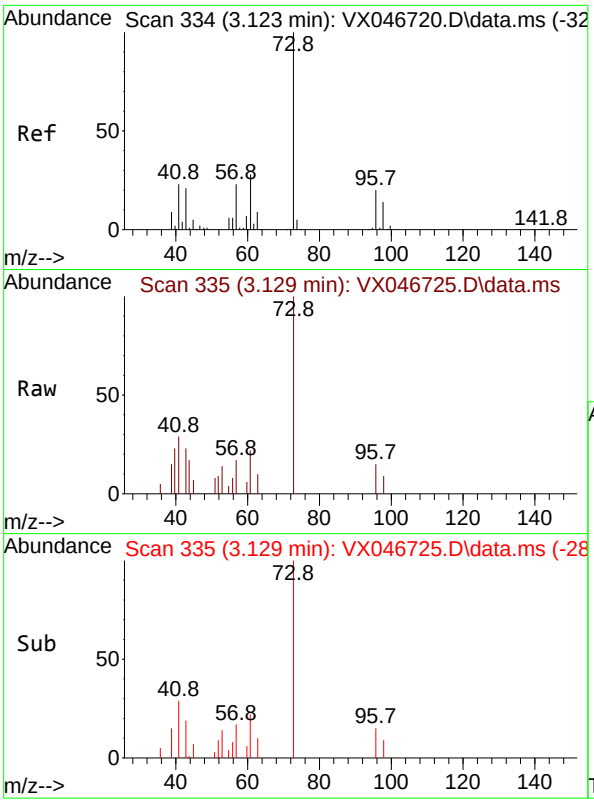




#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 1280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 16.9 | 18.4 | 27.6# |



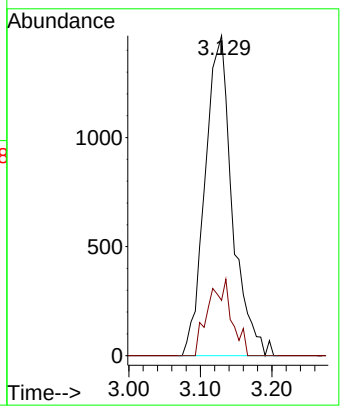


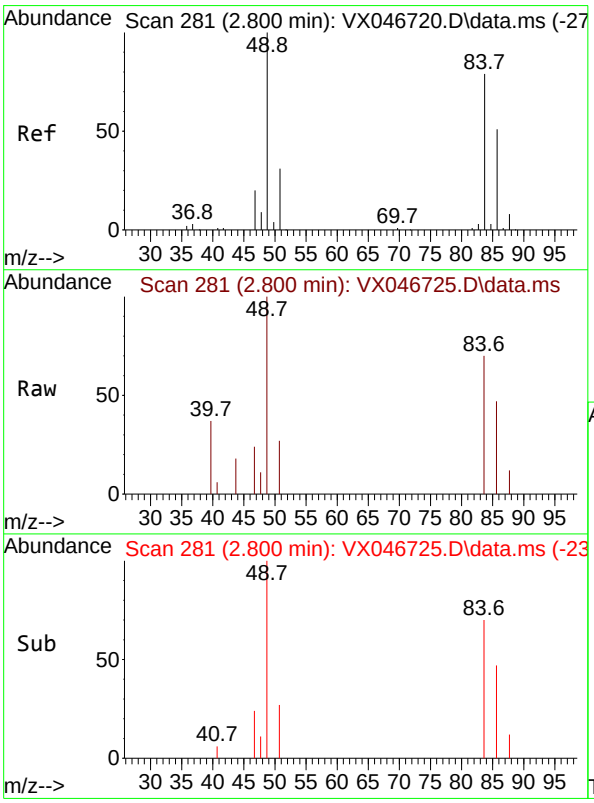

#19
Methyl tert-butyl Ether
Concen: 0.830 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 73 Resp: 3888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 17.3 | 18.2 | 27.2# |

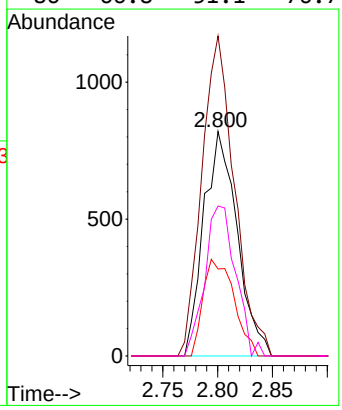


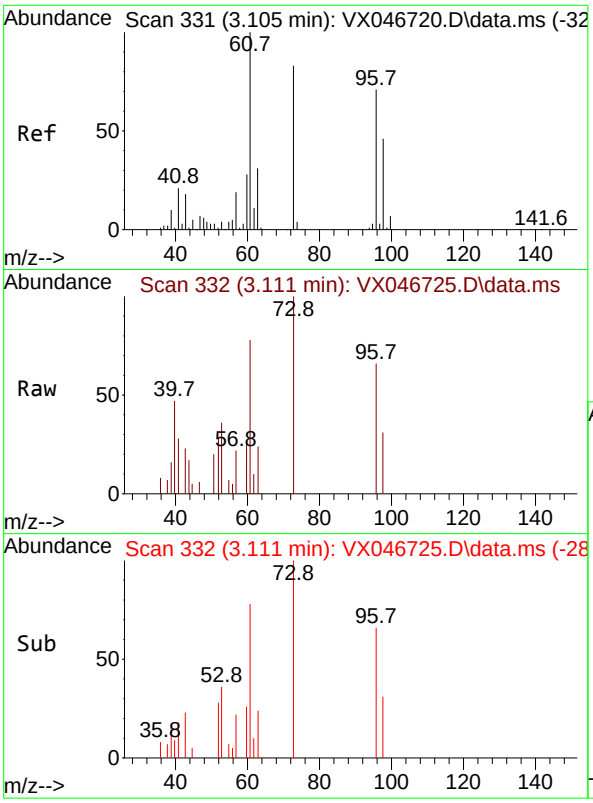




#20
Methylene Chloride
Concen: 0.994 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 84 Resp: 1736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.6 | 101.3 | 151.9 |
| 51 | 38.8 | 31.0 | 46.6 |
| 86 | 66.8 | 51.1 | 76.7 |



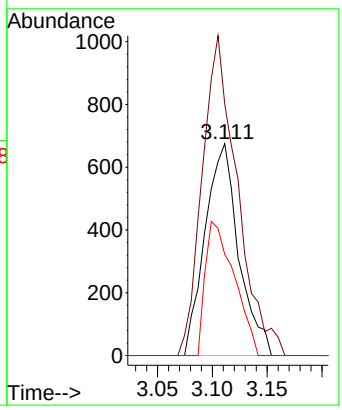


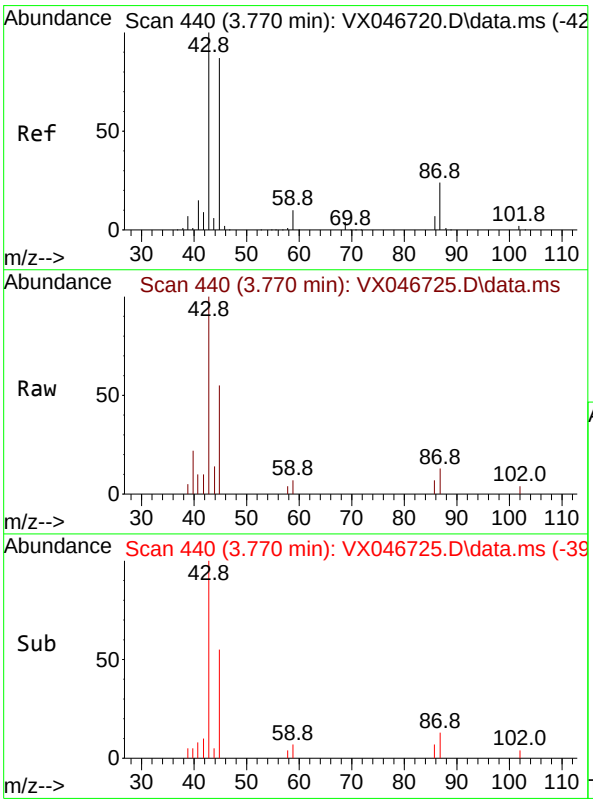

#21
trans-1,2-Dichloroethene
Concen: 0.895 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 1441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.7 | 112.5 | 168.7 |
| 98 | 47.7 | 51.9 | 77.9# |

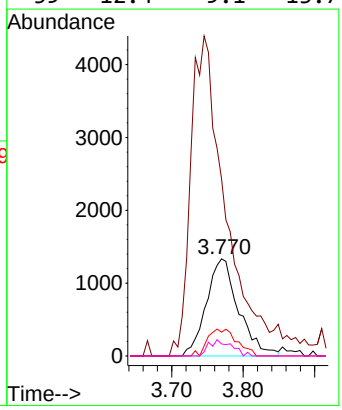


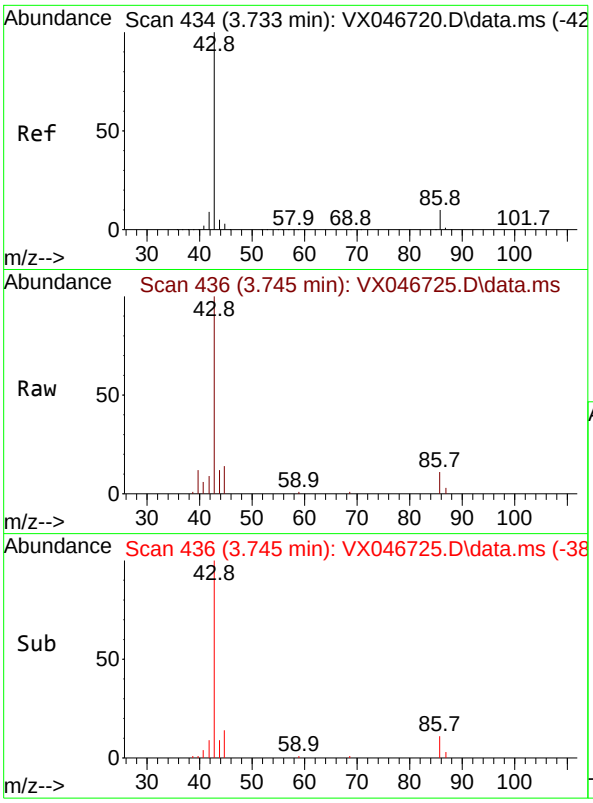




#22
Diisopropyl ether
Concen: 0.796 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 45 Resp: 4170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 155.2 | 91.9 | 137.9# |
| 87 | 24.5 | 22.0 | 33.0 |
| 59 | 12.4 | 9.1 | 13.7 |



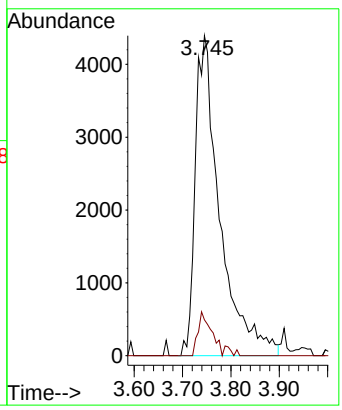


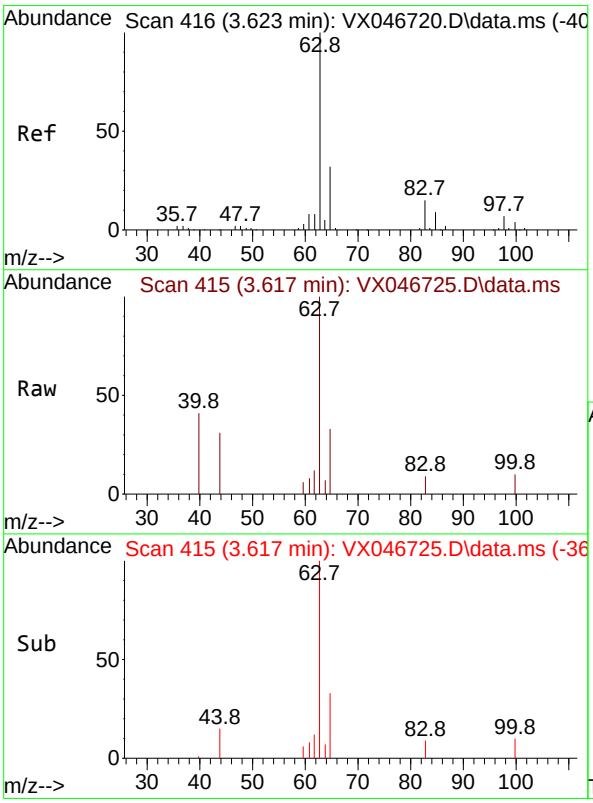

#23
Vinyl Acetate
Concen: 3.722 ug/l
RT: 3.745 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 15507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 12.0 | 8.2 | 12.2 |

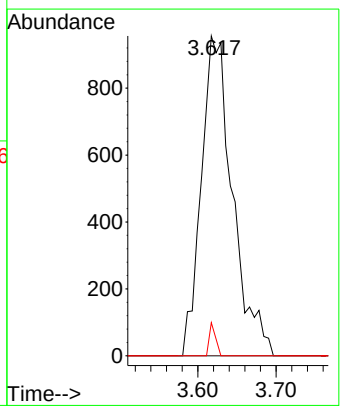


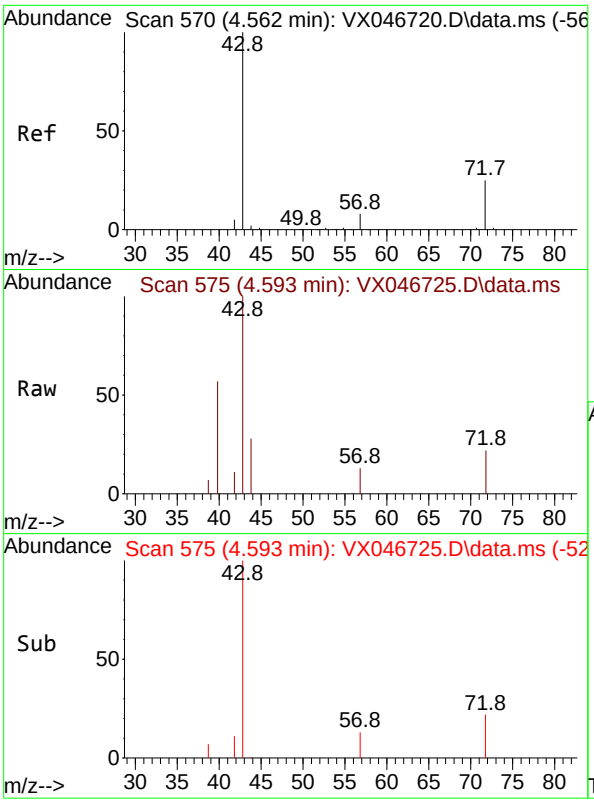




#24
1,1-Dichloroethane
Concen: 0.890 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 63 Resp: 2648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 4.0 | 11.9# |
| 100 | 10.4 | 2.2 | 6.6# |



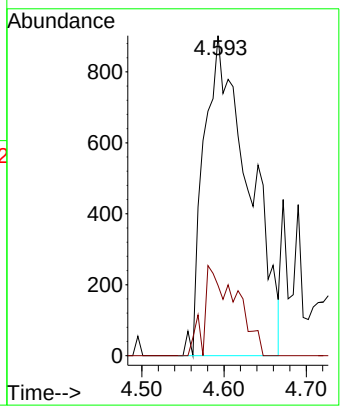


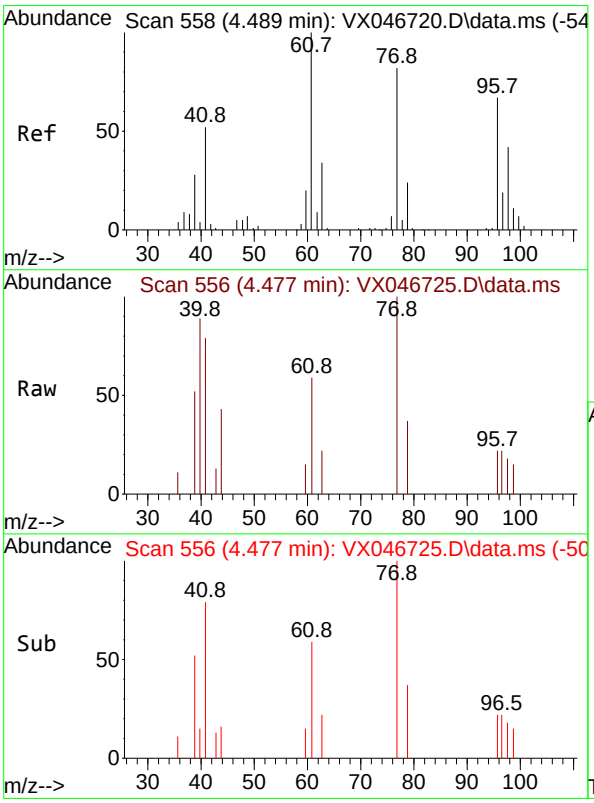

#25
2-Butanone
Concen: 3.851 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.030 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 3422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.0 | 20.2 | 30.4 |

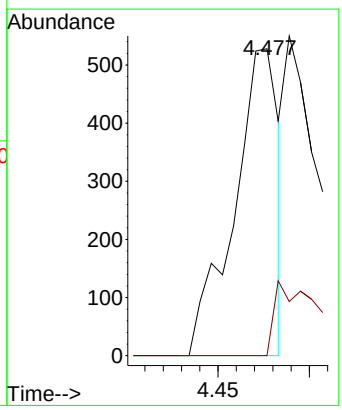


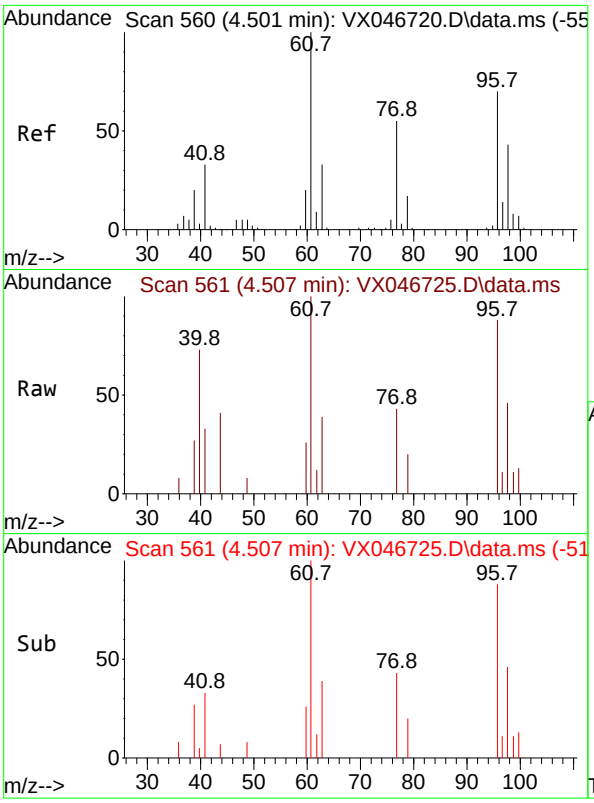




#26
2,2-Dichloropropane
Concen: 0.411 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 77 Resp: 891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 20.7 | 11.8 | 35.3 |



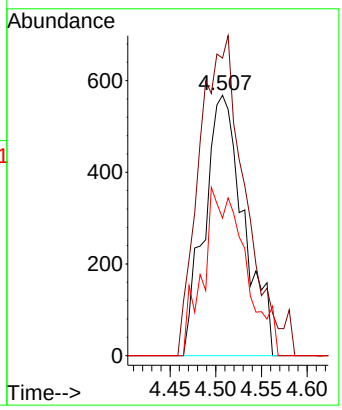


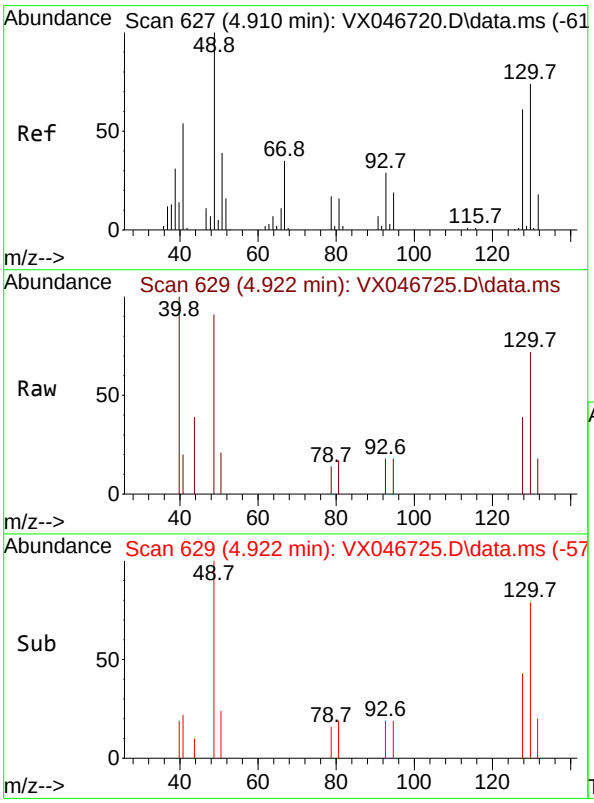

#27
cis-1,2-Dichloroethene
Concen: 0.898 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 1698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.8 | 0.0 | 291.0 |
| 98 | 69.4 | 0.0 | 126.8 |

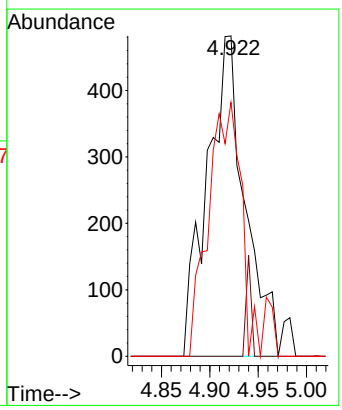


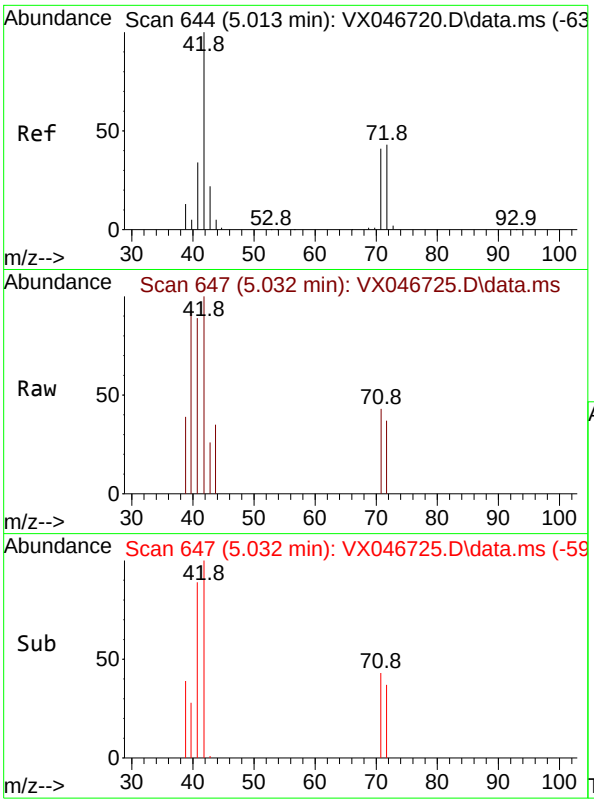




#28
Bromochloromethane
Concen: 0.969 ug/l
RT: 4.922 min Scan# 629
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 49 Resp: 1307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 68.6 | 61.4 | 92.0 |



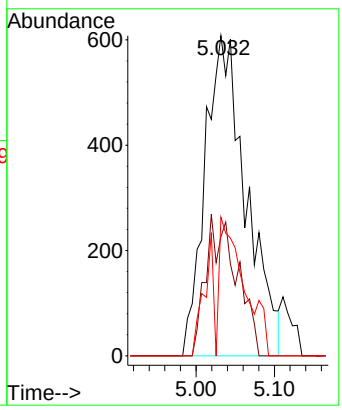


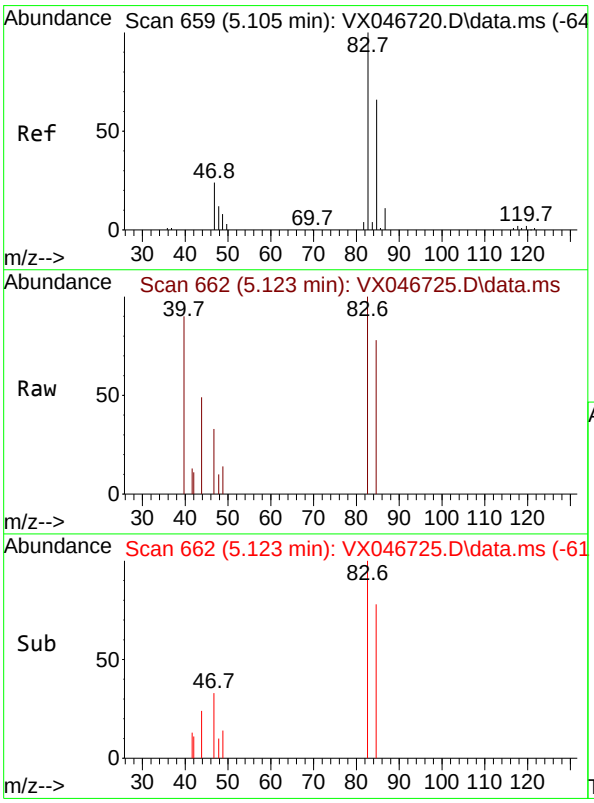

#29
Tetrahydrofuran
Concen: 3.854 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 42 Resp: 2212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.9 | 52.3# |
| 71 | 26.1 | 32.2 | 48.2# |

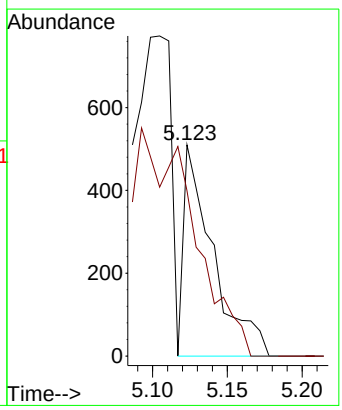


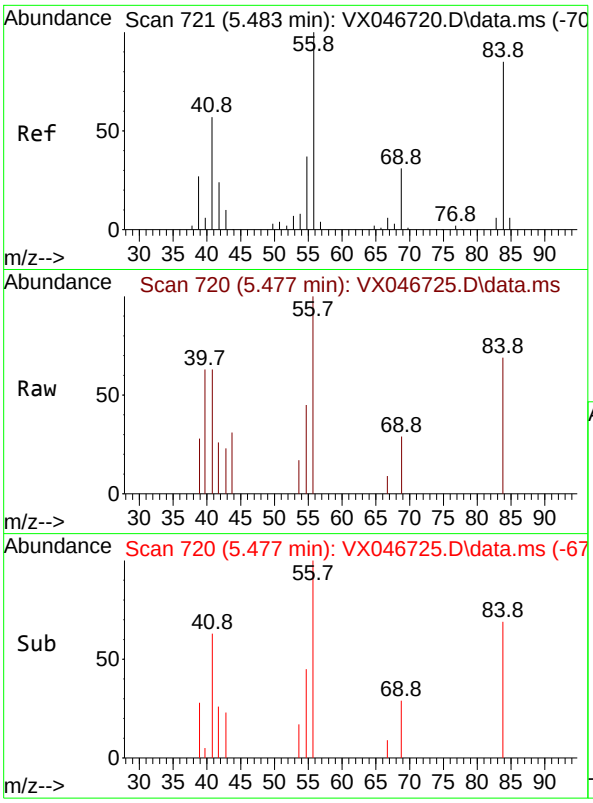




#30
Chloroform
Concen: 0.235 ug/l
RT: 5.123 min Scan# 662
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 83 Resp: 700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 78.2 | 53.7 | 80.5 |



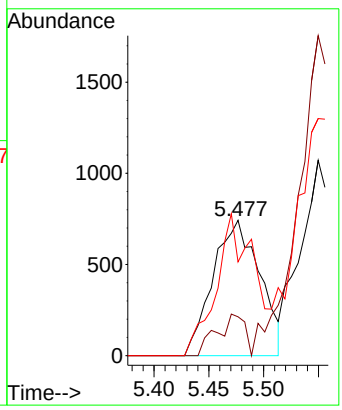


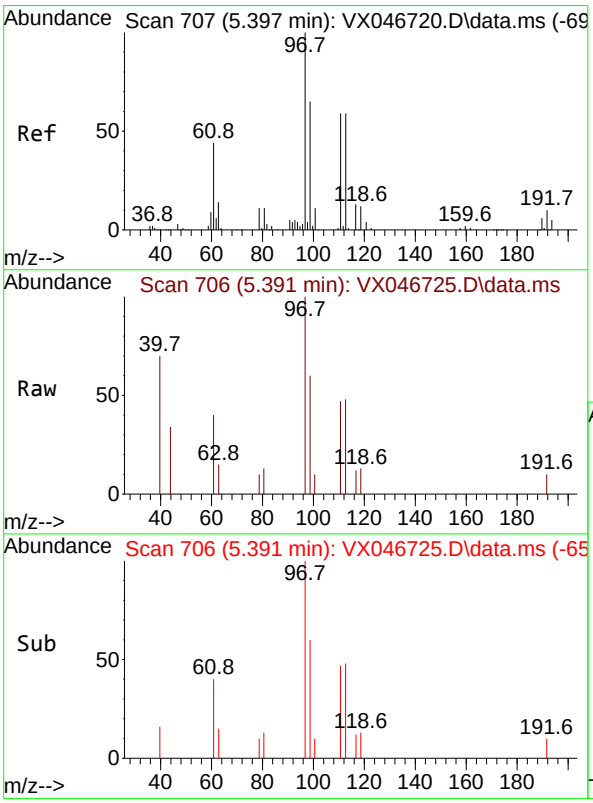

#31
Cyclohexane
Concen: 0.783 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 2208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.8 | 37.2 |
| 84 | 69.3 | 68.2 | 102.2 |

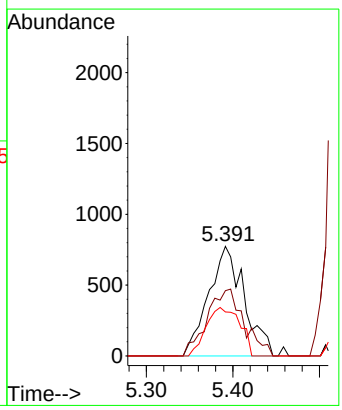


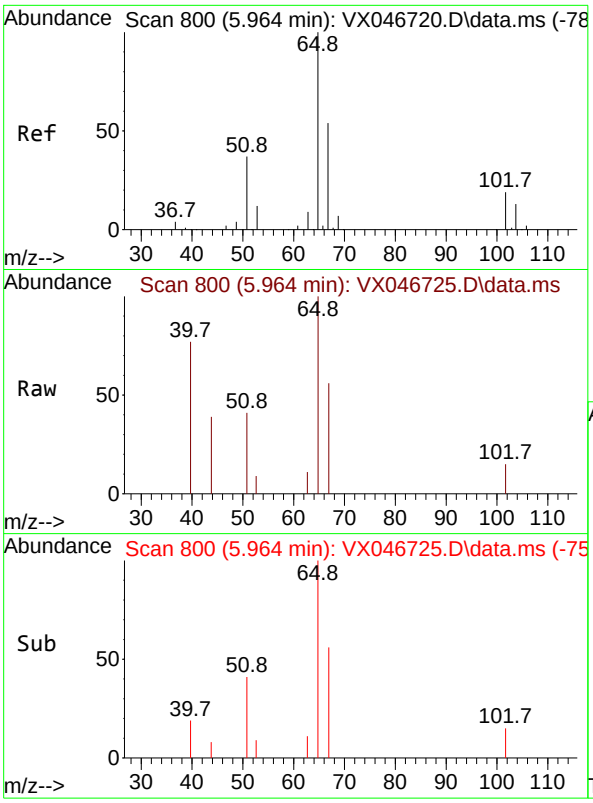




#32
1,1,1-Trichloroethane
Concen: 0.848 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 97 Resp: 2212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.3 | 76.9# |
| 61 | 41.9 | 36.4 | 54.6 |



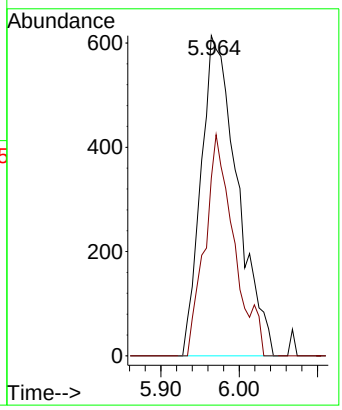


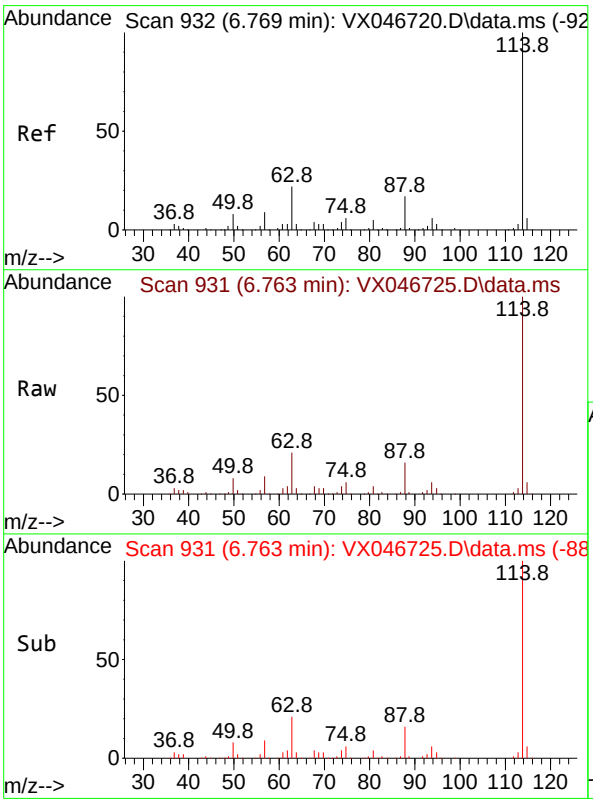

#33
1,2-Dichloroethane-d4
Concen: 1.049 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 65 Resp: 1977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.4 | 0.0 | 105.4 |

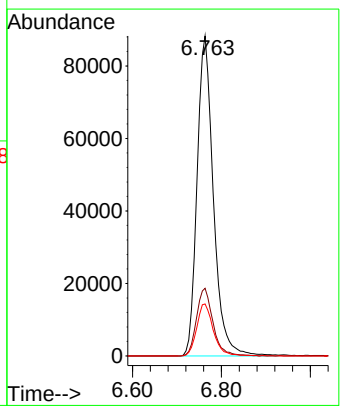


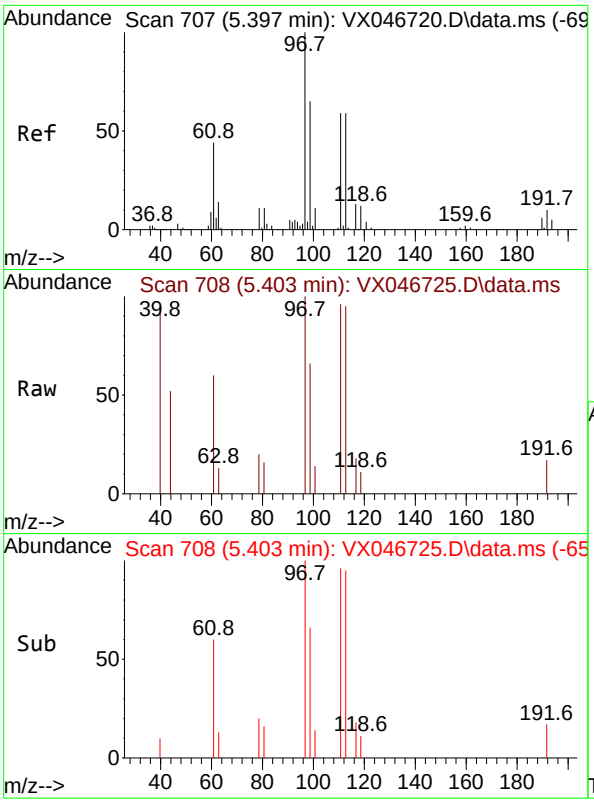




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:114 Resp: 226094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.2 |
| 88 | 16.3 | 0.0 | 33.2 |



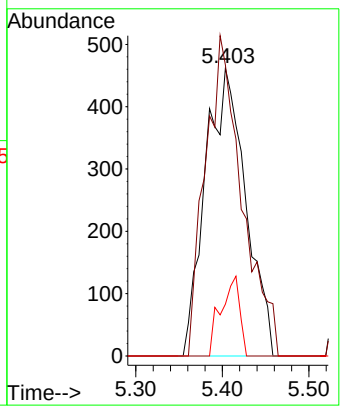


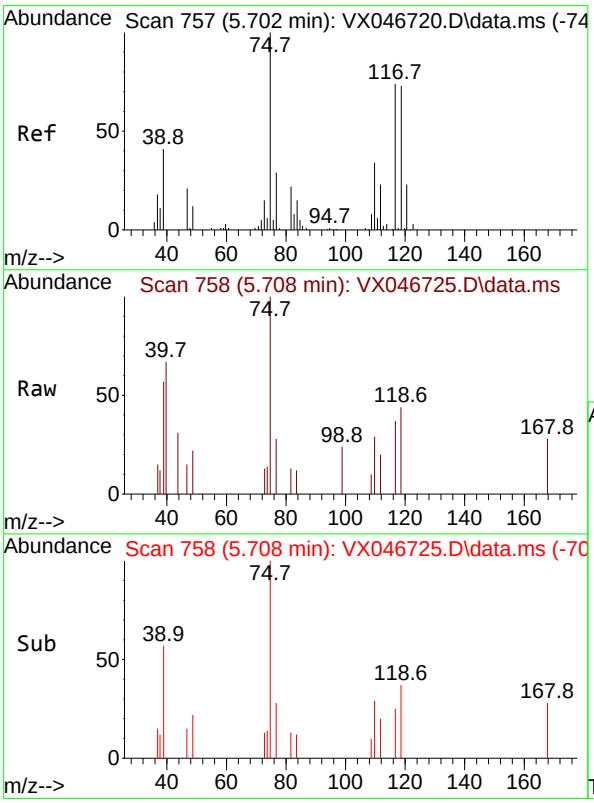

#35
Dibromofluoromethane
Concen: 0.997 ug/l
RT: 5.403 min Scan# 7(
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:113 Resp: 1491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.0 | 123.0 |
| 192 | 12.9 | 15.3 | 22.9# |

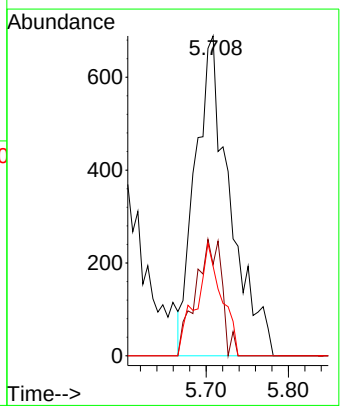


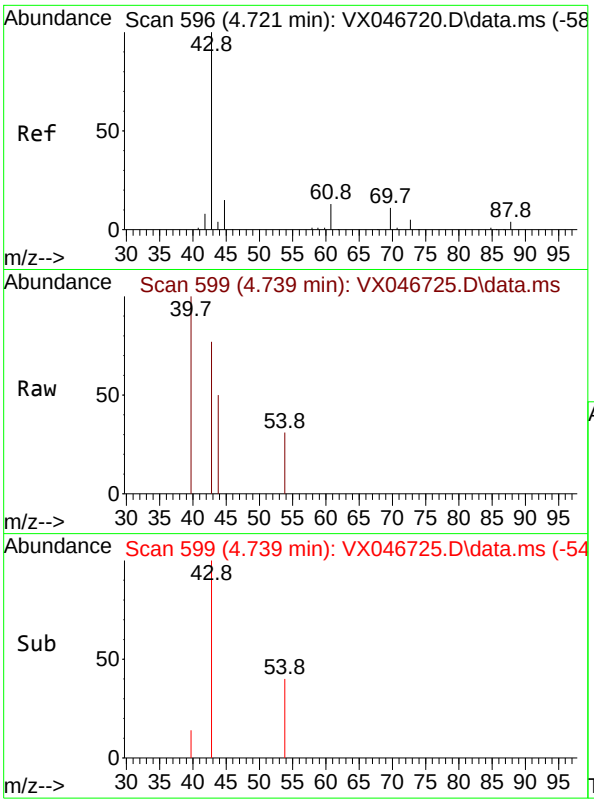




#36
1,1-Dichloropropene
Concen: 0.934 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 2016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 27.6 | 17.2 | 51.5 |
| 77 | 25.5 | 24.2 | 36.4 |



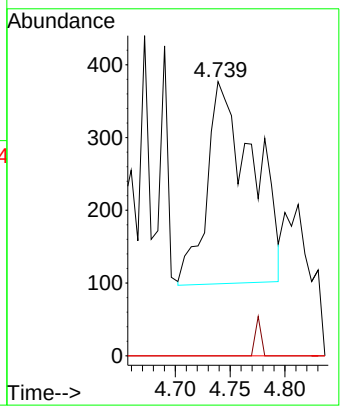


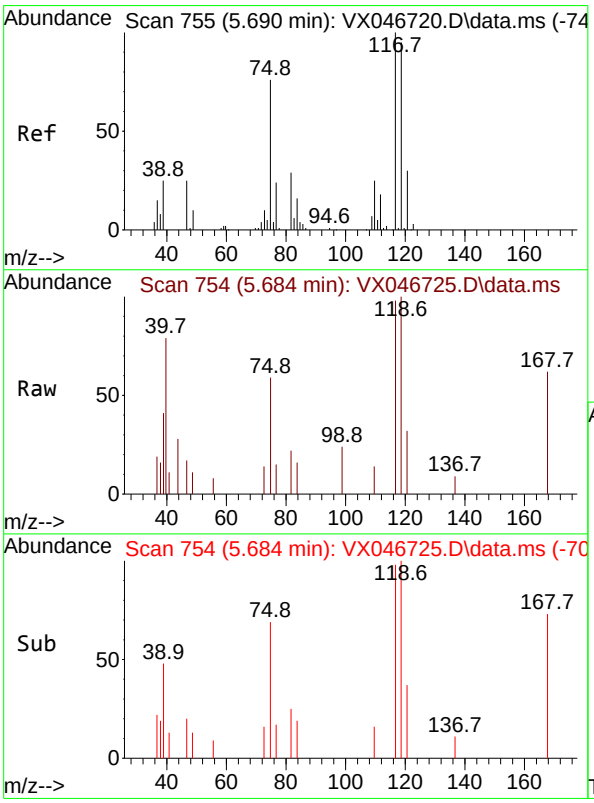

#37
Ethyl Acetate
Concen: 0.404 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 9.7 | 14.5# |
| 70 | 0.0 | 8.1 | 12.1# |

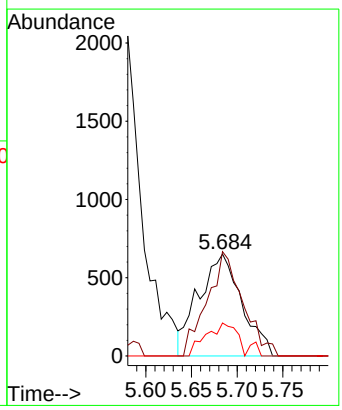


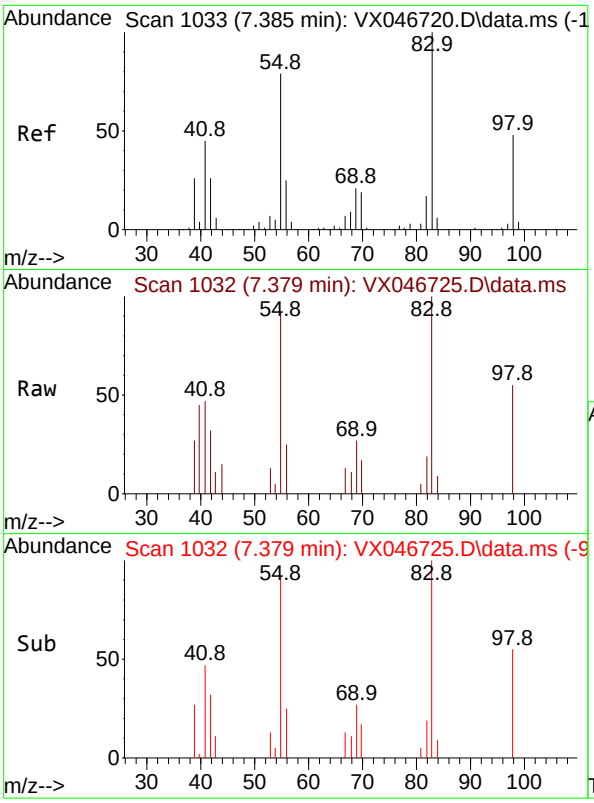




#38
Carbon Tetrachloride
Concen: 0.906 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:117 Resp: 2124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.3 | 75.2 | 112.8 |
| 121 | 32.4 | 24.1 | 36.1 |



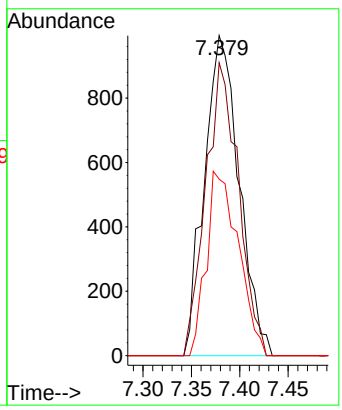


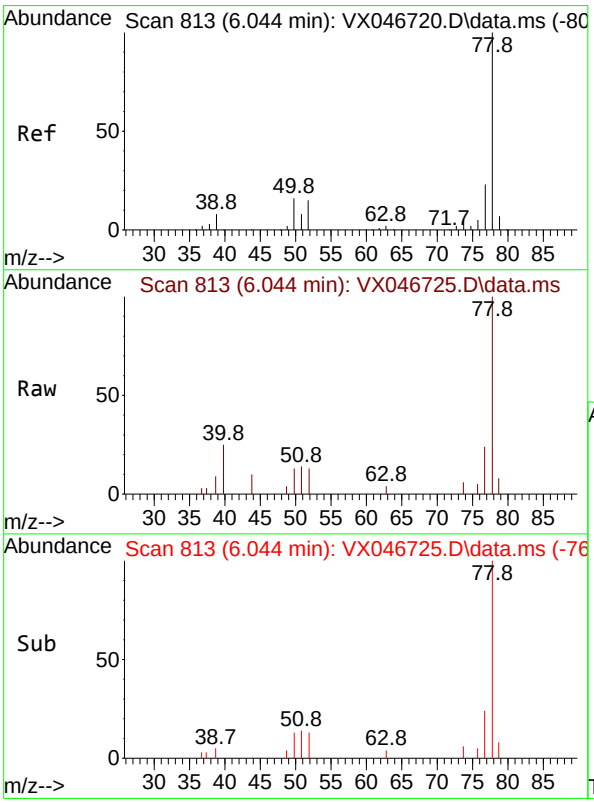

#39
Methylcyclohexane
Concen: 0.875 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 2485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 91.5 | 63.0 | 94.4 |
| 98 | 55.1 | 38.8 | 58.2 |

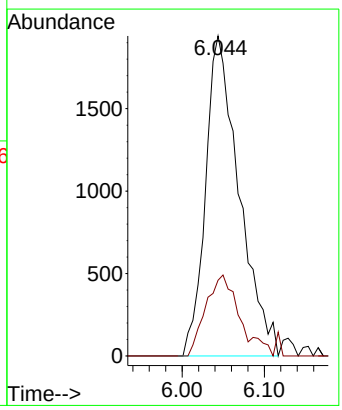


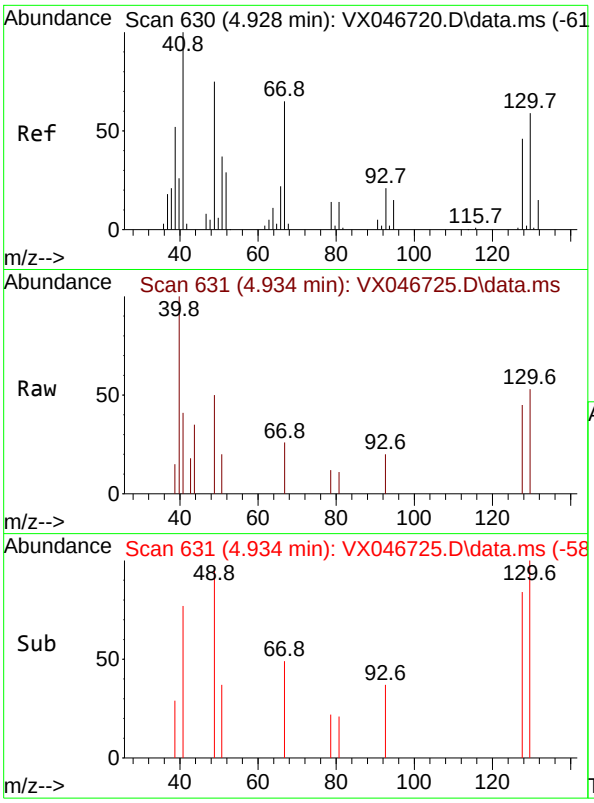




#40
Benzene
Concen: 0.862 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 78 Resp: 5507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.0 | 18.8 | 28.2 |



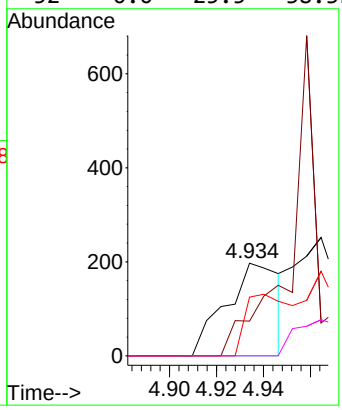


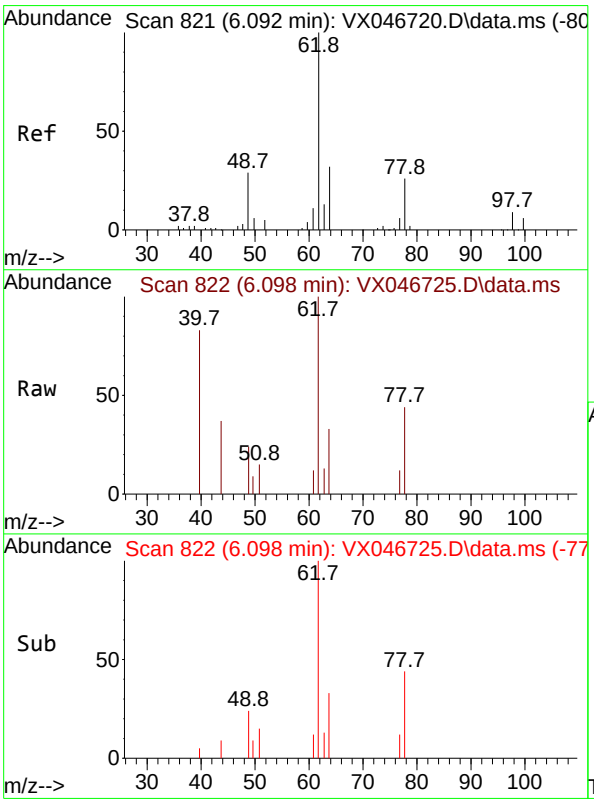

#41
Methacrylonitrile
Concen: 0.293 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 41 Resp: 311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 45.9 | 68.9# |
| 67 | 56.3 | 61.2 | 91.8# |
| 52 | 0.0 | 25.5 | 38.3# |

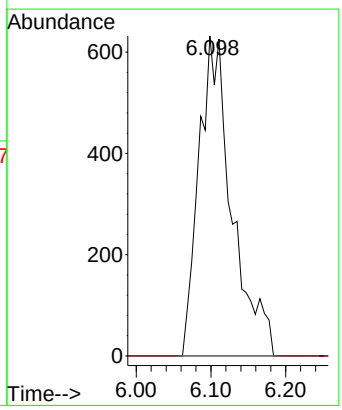


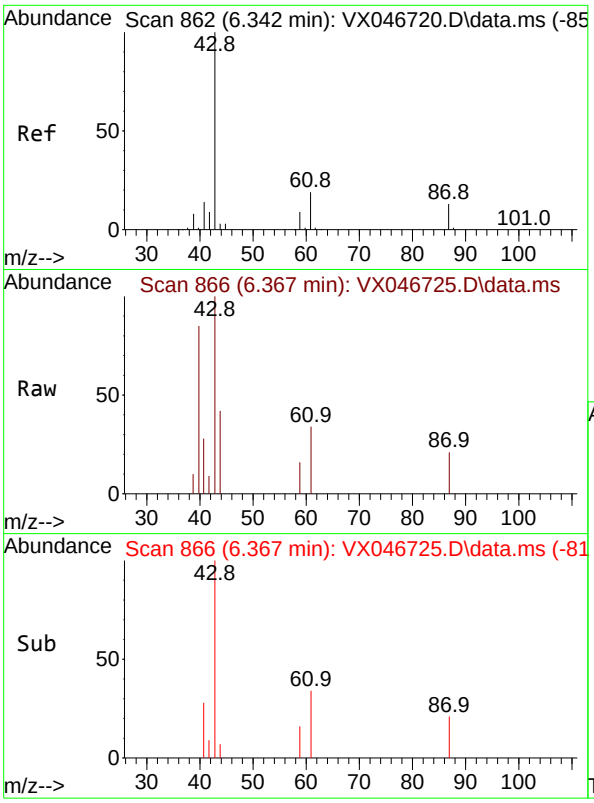




#42
1,2-Dichloroethane
Concen: 0.863 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 62 Resp: 1938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 0.0 | 17.8 |



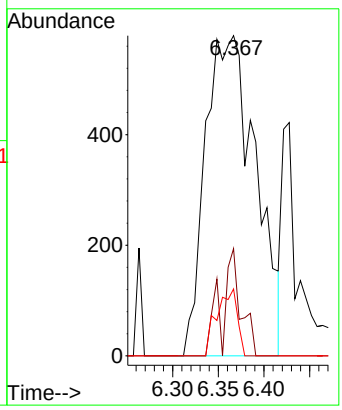


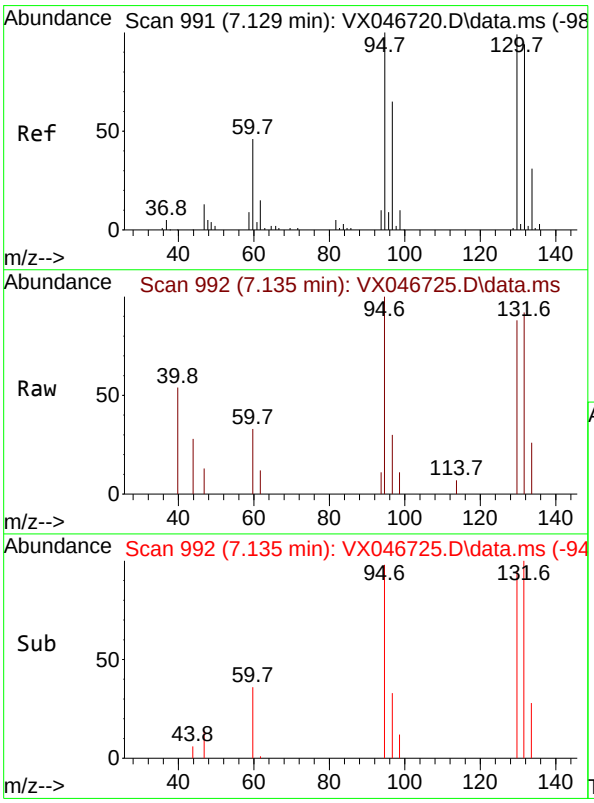

#43
Isopropyl Acetate
Concen: 0.711 ug/l
RT: 6.367 min Scan# 8
Delta R.T. 0.024 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 2218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 9.3 | 15.3 | 22.9# |
| 87 | 8.6 | 10.0 | 15.0# |

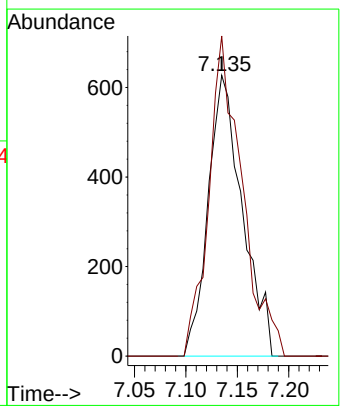


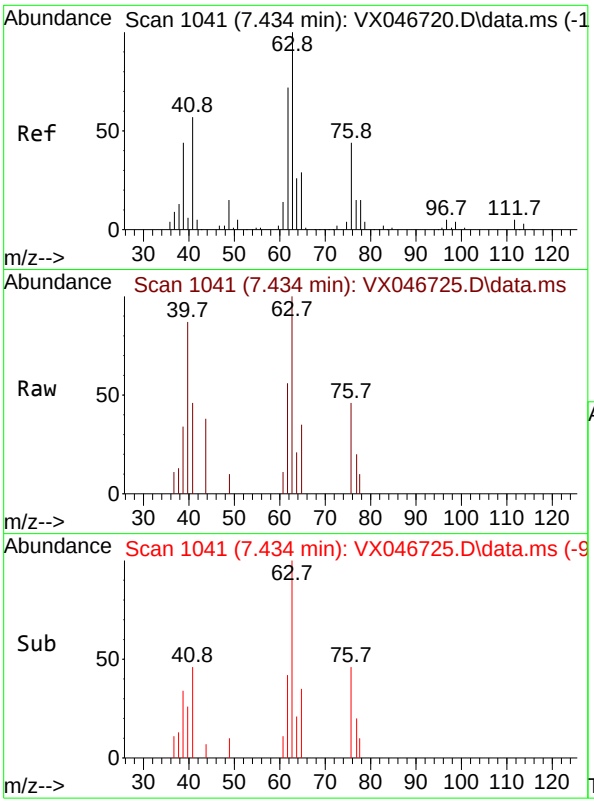




#44
Trichloroethene
Concen: 0.889 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:130 Resp: 1448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 114.0 | 0.0 | 202.6 |



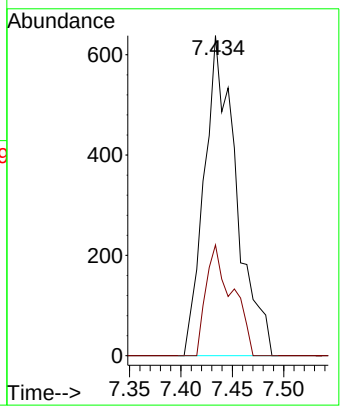


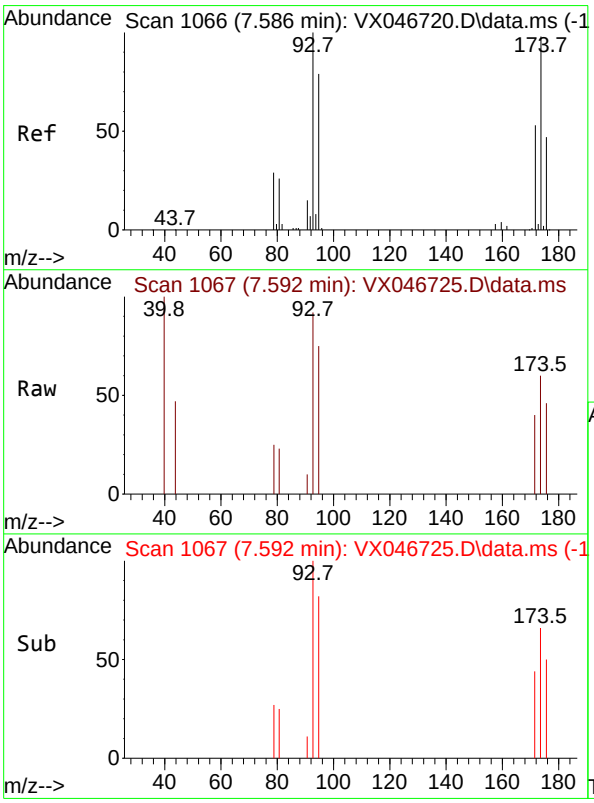

#45
1,2-Dichloropropane
Concen: 0.871 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 63 Resp: 1380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.6 | 22.9 | 34.3# |

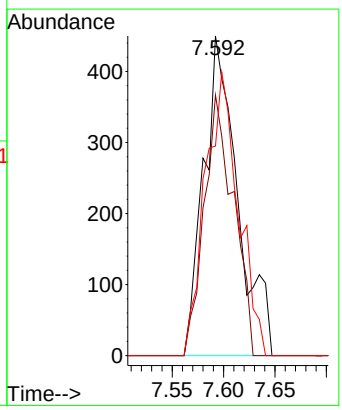


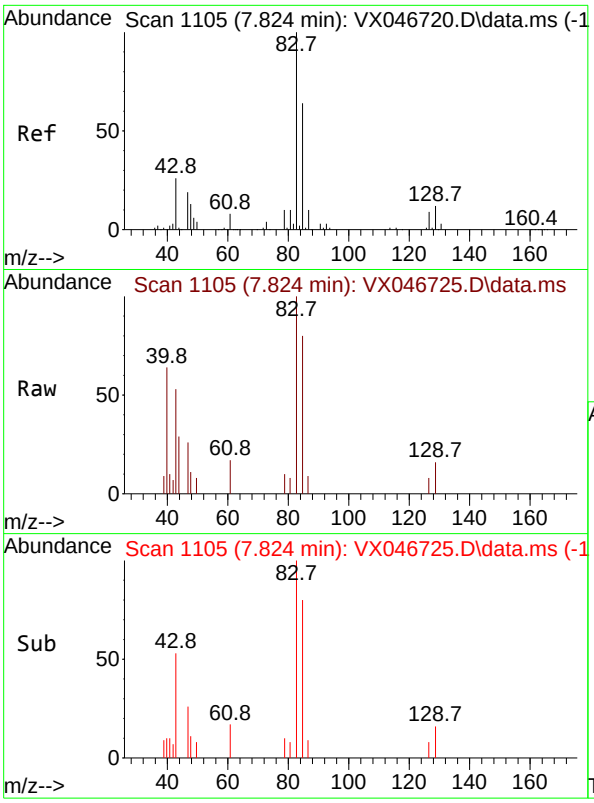




#46
Dibromomethane
Concen: 0.905 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 93 Resp: 1030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 71.1 | 66.2 | 99.4 |
| 174 | 86.7 | 77.0 | 115.6 |



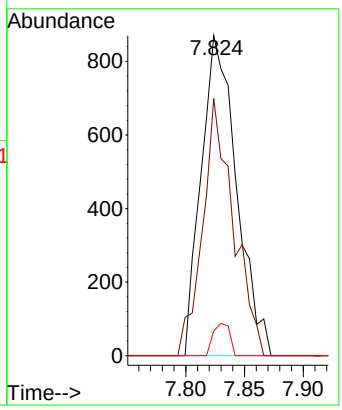


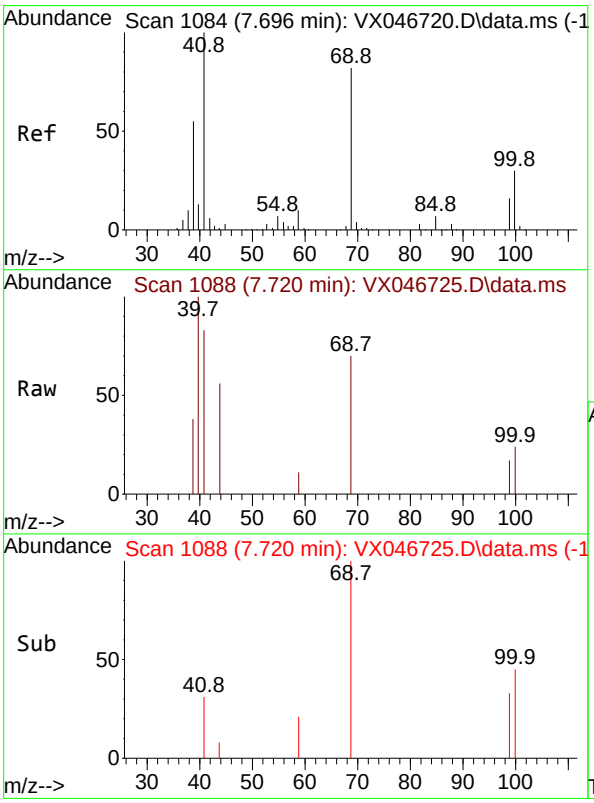

#47
Bromodichloromethane
Concen: 0.786 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 1825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 80.3 | 51.4 | 77.2# |
| 127 | 7.7 | 6.9 | 10.3 |

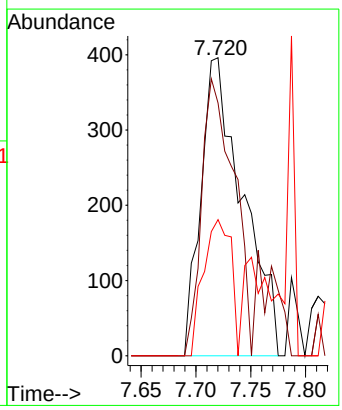


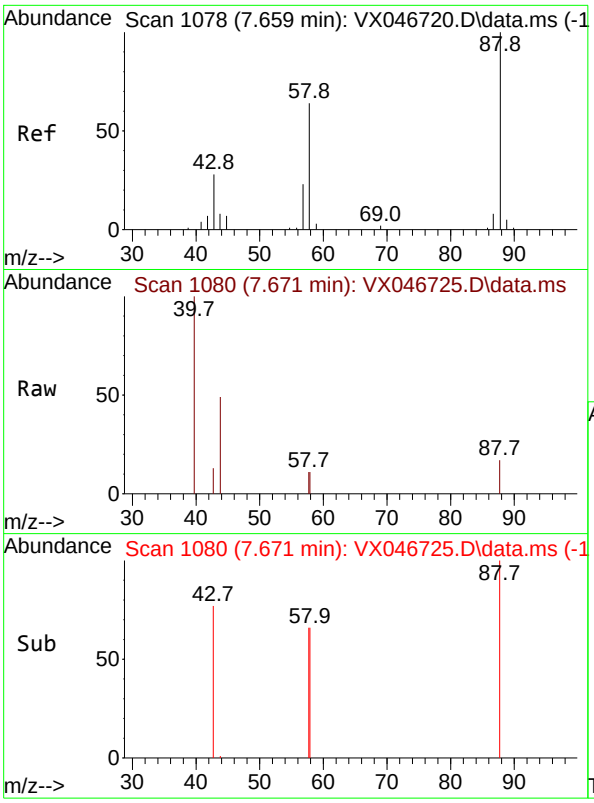




#48
Methyl methacrylate
Concen: 0.671 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.024 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 41 Resp: 1050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 71.8 | 63.4 | 95.2 |
| 39 | 30.3 | 45.4 | 68.0# |



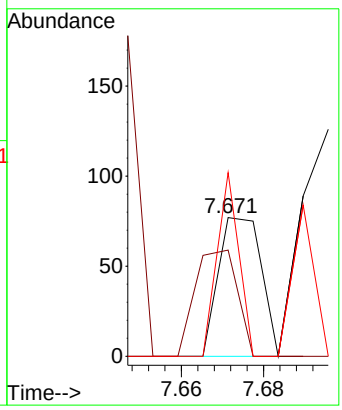


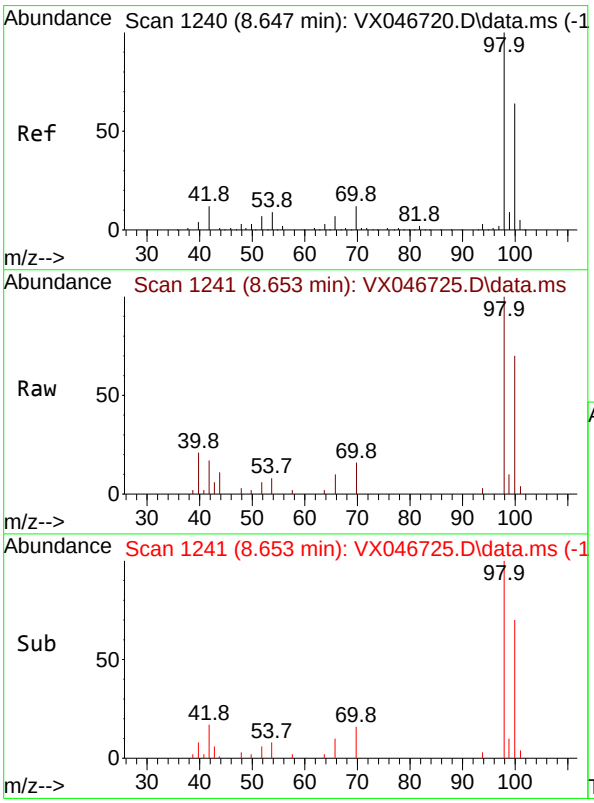

#49
1,4-Dioxane
Concen: 28.694 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 88 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 75.0 | 31.2 | 46.8# |
| 58 | 66.1 | 54.7 | 82.1 |

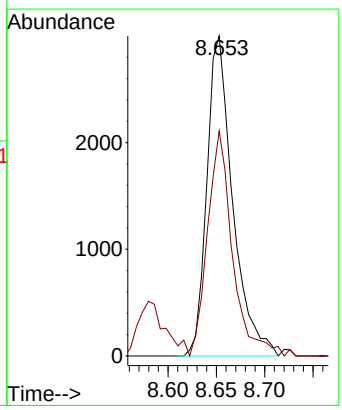


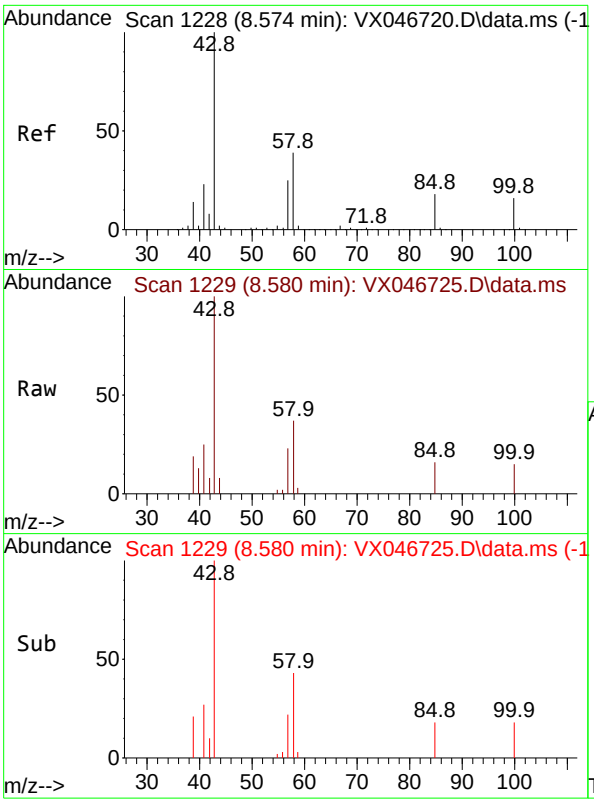




#50
Toluene-d8
Concen: 1.035 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 98 Resp: 5563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.9 | 53.0 | 79.4 |



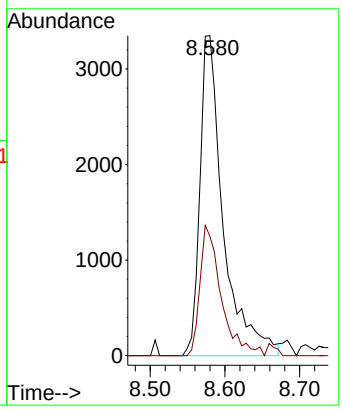


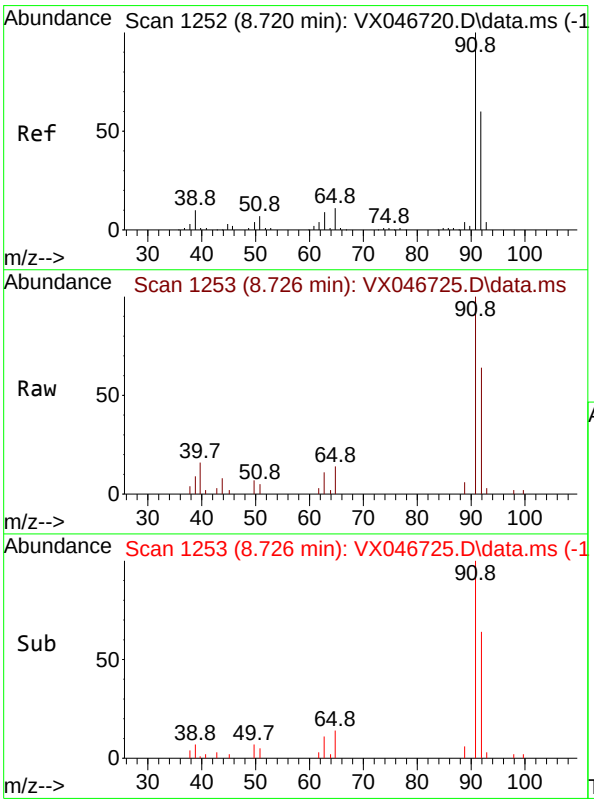

#51
4-Methyl-2-Pentanone
Concen: 3.910 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 7273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 30.8 | 46.2 |

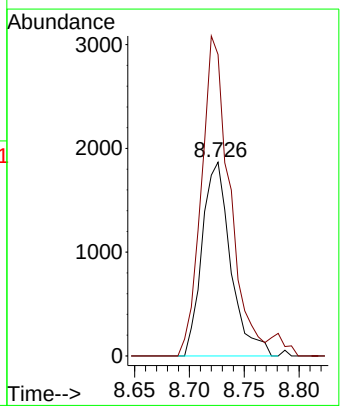


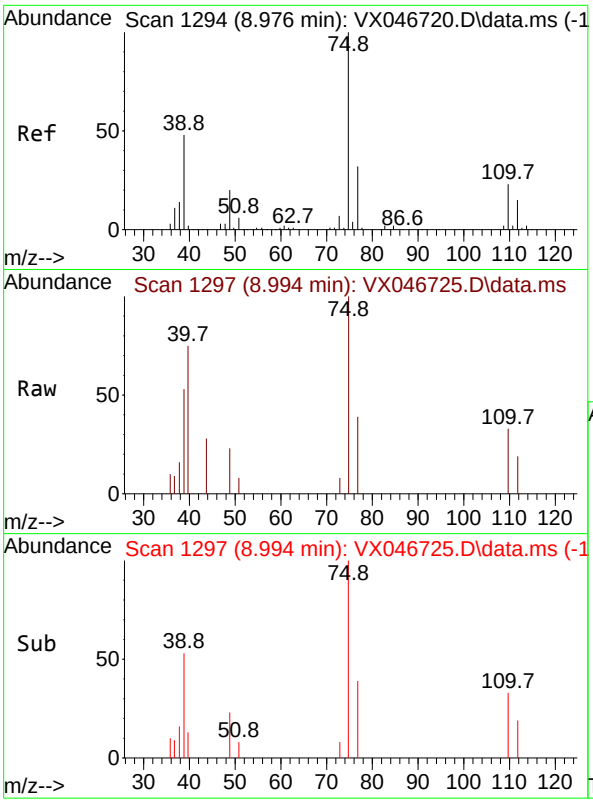




#52
Toluene
Concen: 0.856 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 92 Resp: 3393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 163.1 | 134.8 | 202.2 |



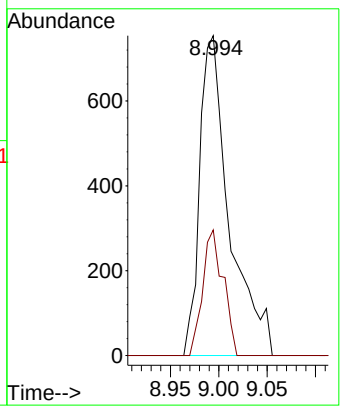


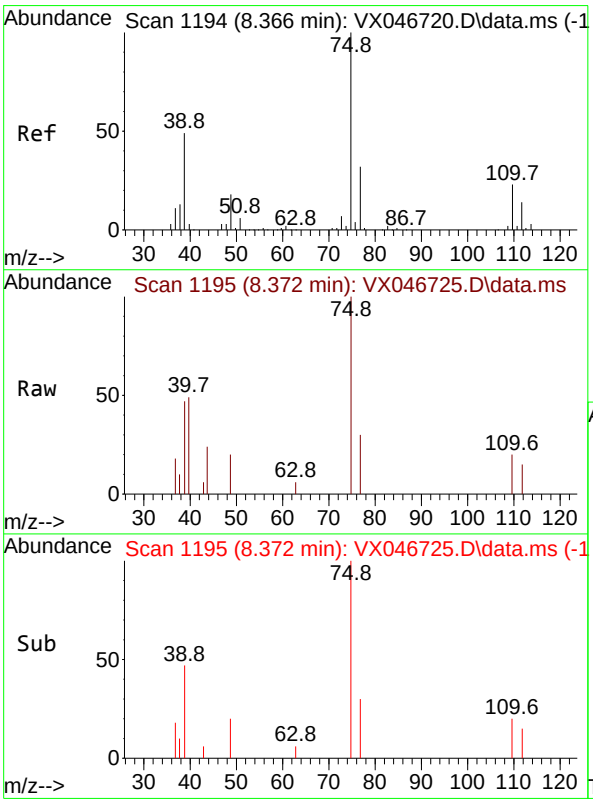

#53
t-1,3-Dichloropropene
Concen: 0.746 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 1607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.3 | 25.6 | 38.4# |

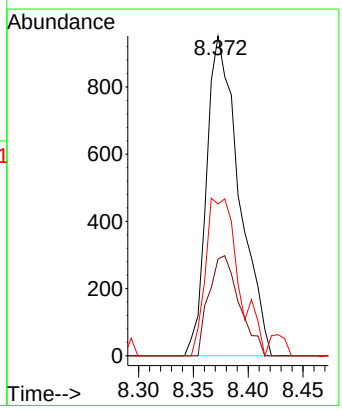


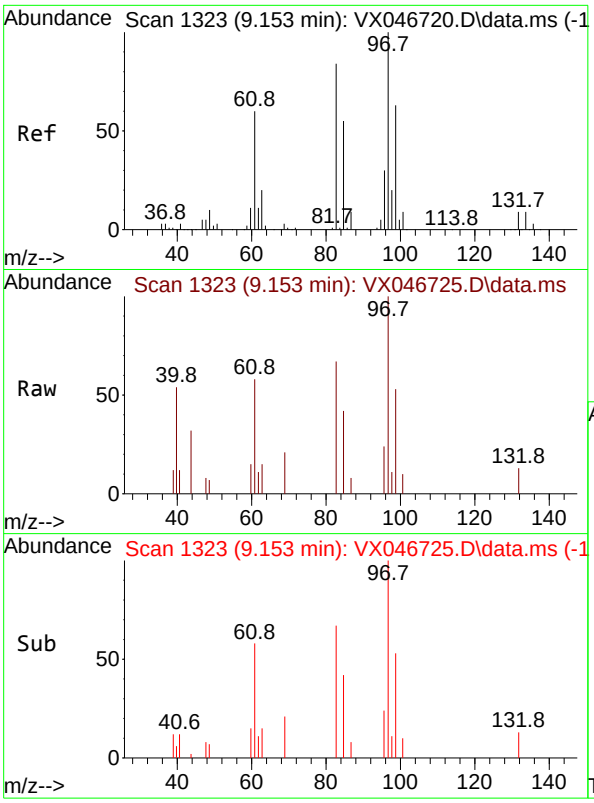




#54
cis-1,3-Dichloropropene
Concen: 0.806 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 1971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 25.3 | 37.9 |
| 39 | 96.1 | 39.2 | 58.8# |



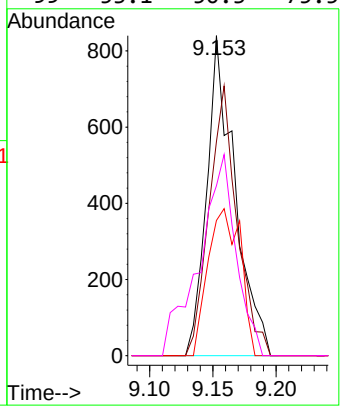


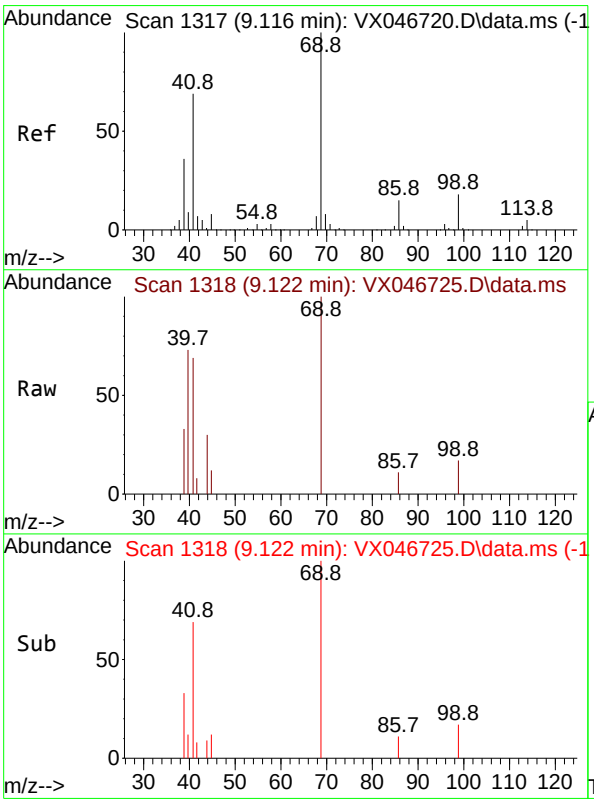

#55
1,1,2-Trichloroethane
Concen: 0.878 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 97 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 66.9 | 67.2 | 100.8# |
| 85 | 42.3 | 44.1 | 66.1# |
| 99 | 53.1 | 50.3 | 75.5 |

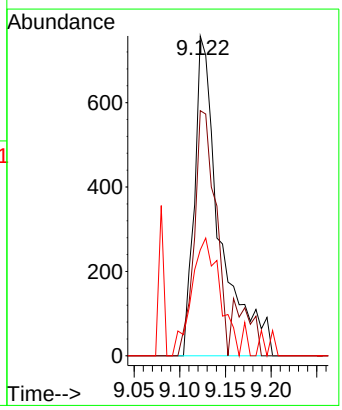


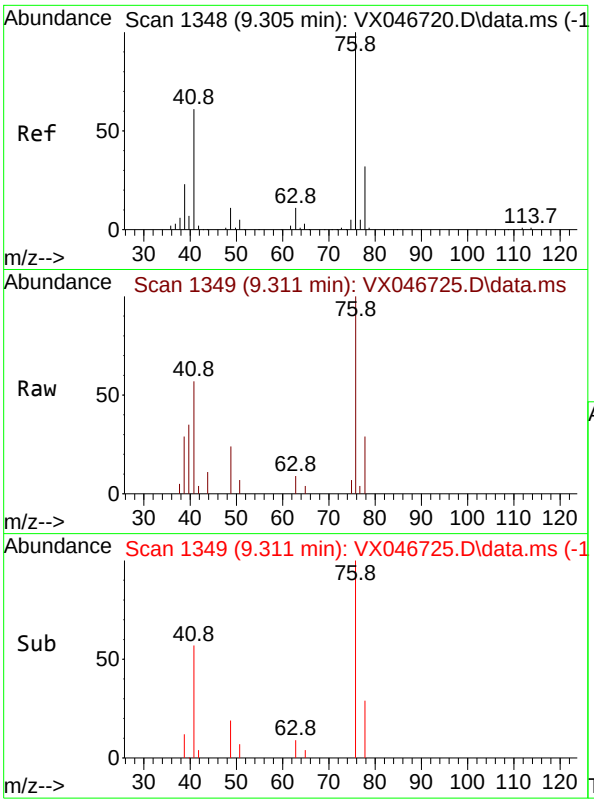




#56
Ethyl methacrylate
Concen: 0.678 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 69 Resp: 1477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 63.2 | 55.4 | 83.2 |
| 39 | 41.0 | 29.7 | 44.5 |



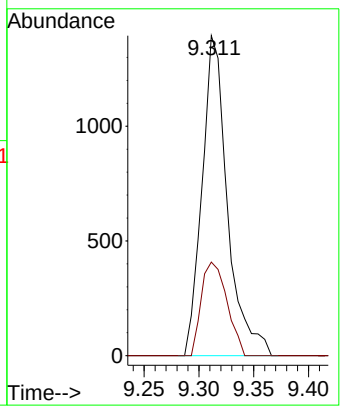


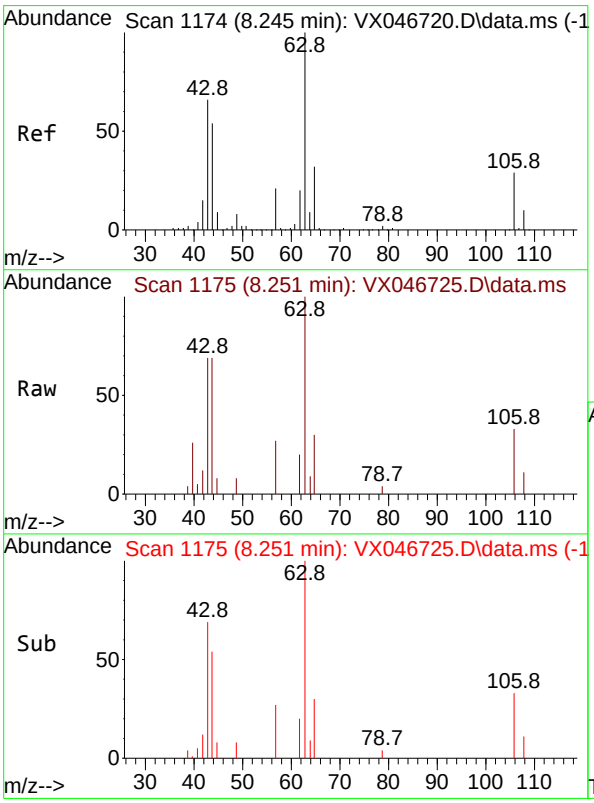

#57
1,3-Dichloropropane
Concen: 0.885 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 2249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 29.5 | 25.7 | 38.5 |

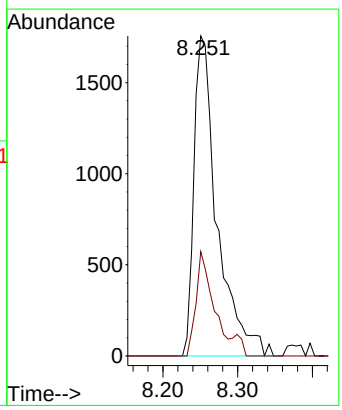


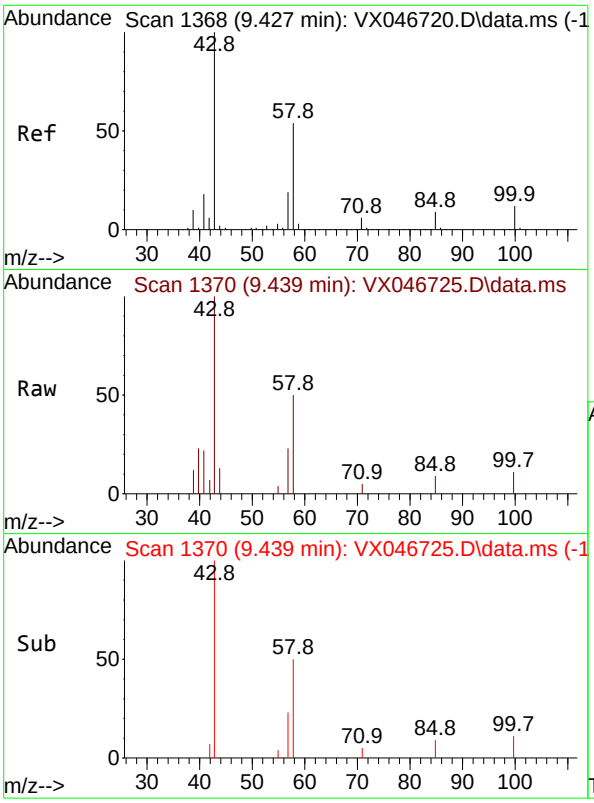




#58
2-Chloroethyl Vinyl ether
Concen: 3.337 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 63 Resp: 3778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.2 | 22.6 | 34.0 |



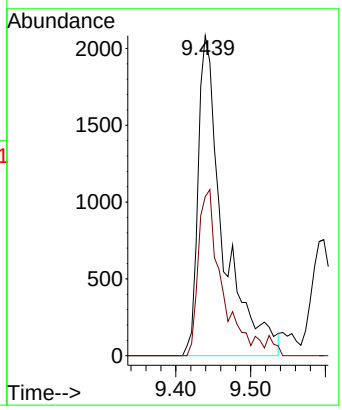


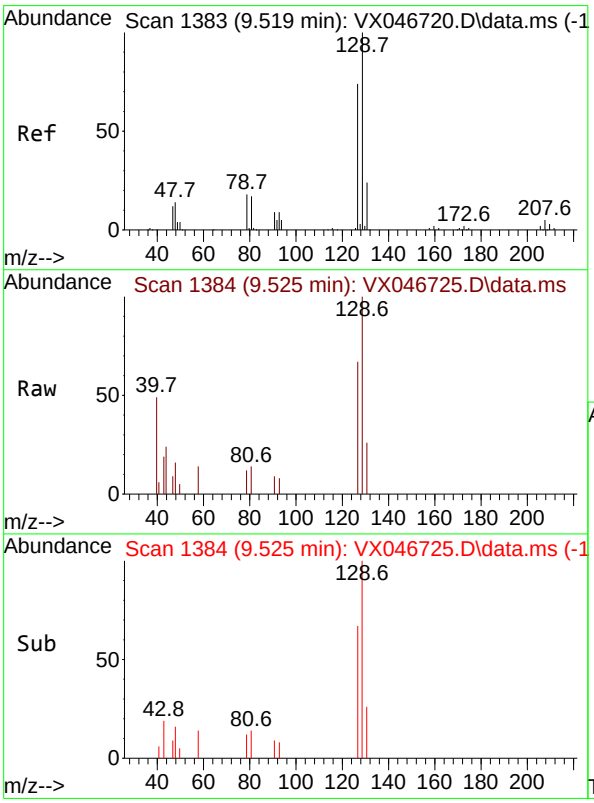

#59
2-Hexanone
Concen: 3.758 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 4833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.0 | 26.8 | 80.4 |

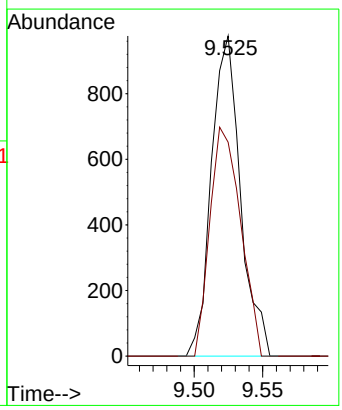


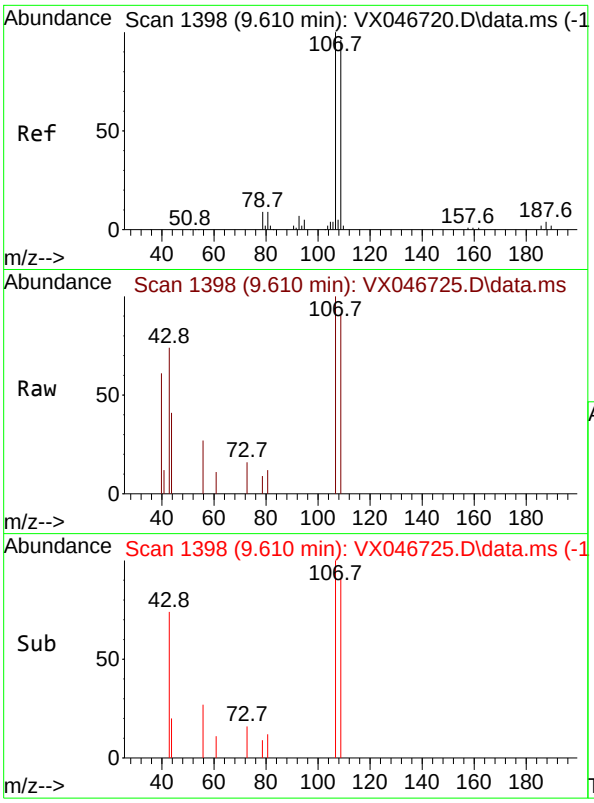




#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:129 Resp: 1436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.8 | 38.4 | 115.2 |



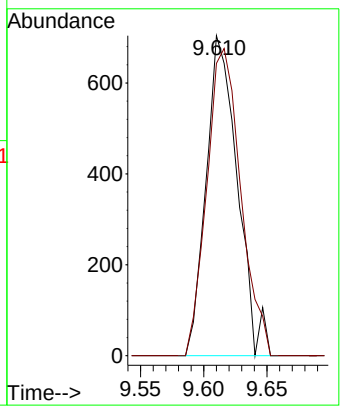


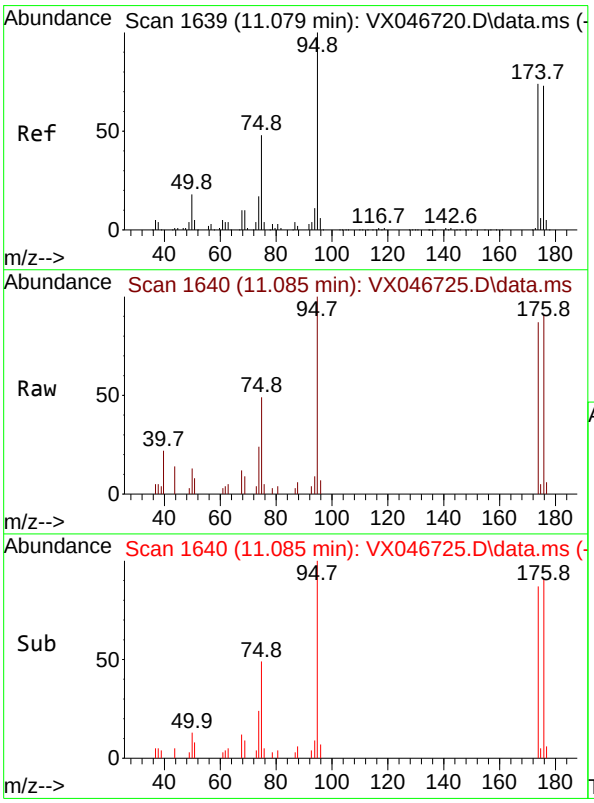

#61
1,2-Dibromoethane
Concen: 0.805 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:107 Resp: 1209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 104.6 | 75.8 | 113.6 |

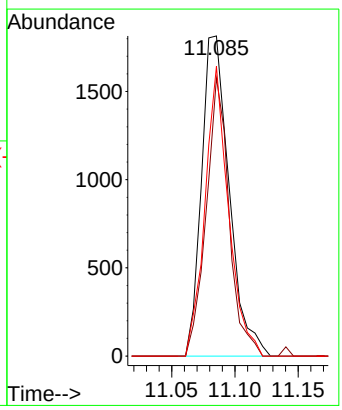


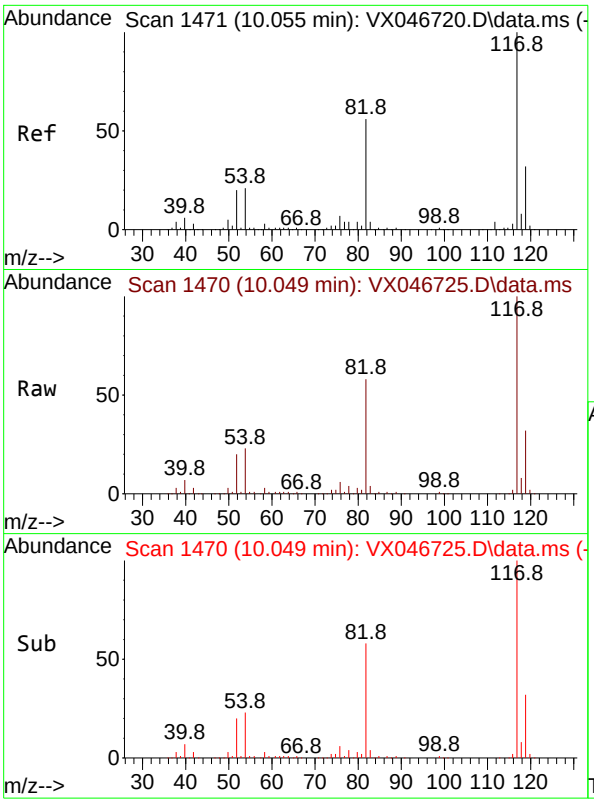




#62
4-Bromofluorobenzene
Concen: 1.379 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 95 Resp: 2763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.0 | 0.0 | 150.4 |
| 176 | 77.1 | 0.0 | 145.0 |



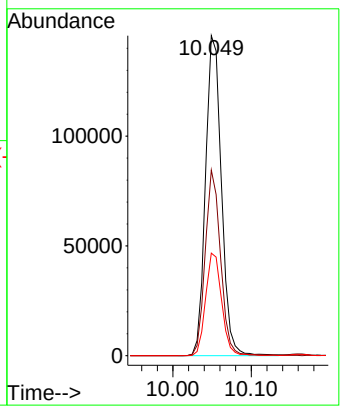


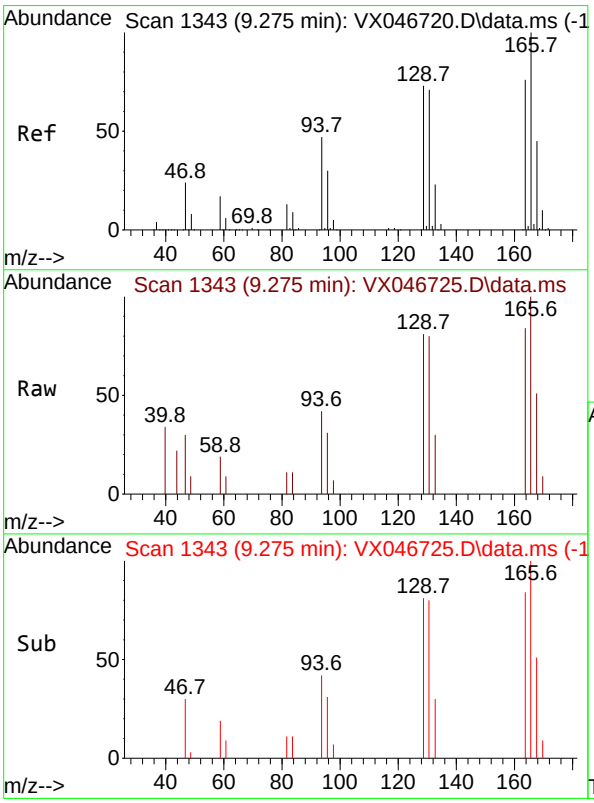

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:117 Resp: 205370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

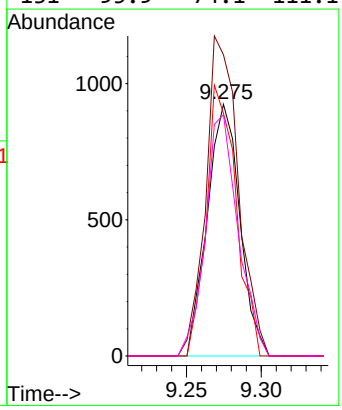


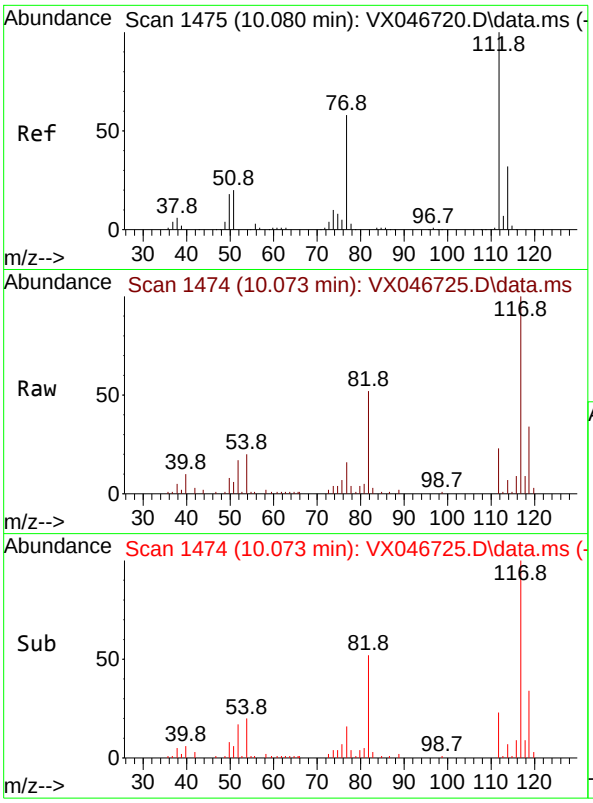




#64
Tetrachloroethene
Concen: 0.983 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:164 Resp: 1399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 119.7 | 104.6 | 157.0 |
| 129 | 96.4 | 76.3 | 114.5 |
| 131 | 95.9 | 74.1 | 111.1 |



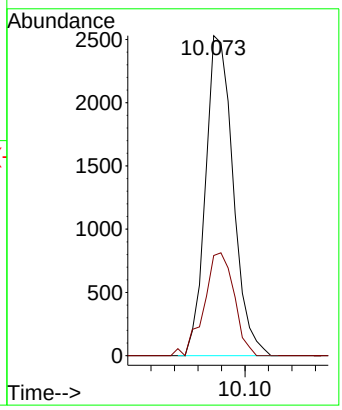


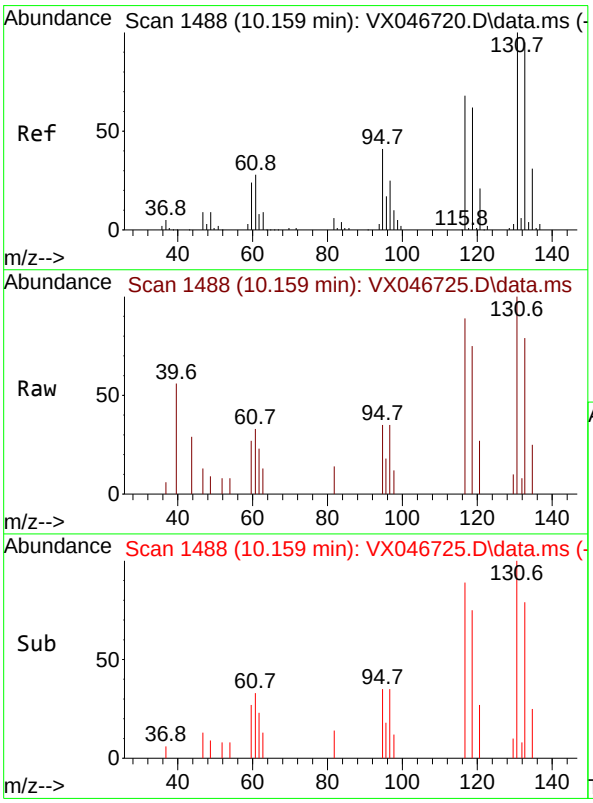

#65
Chlorobenzene
Concen: 0.910 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:112 Resp: 4127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.5 | 38.3 |

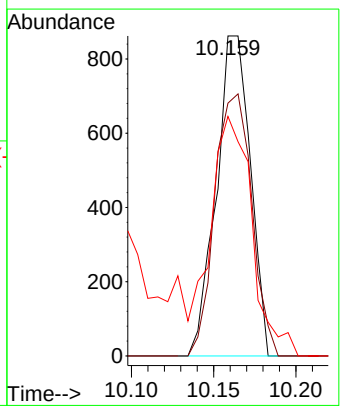


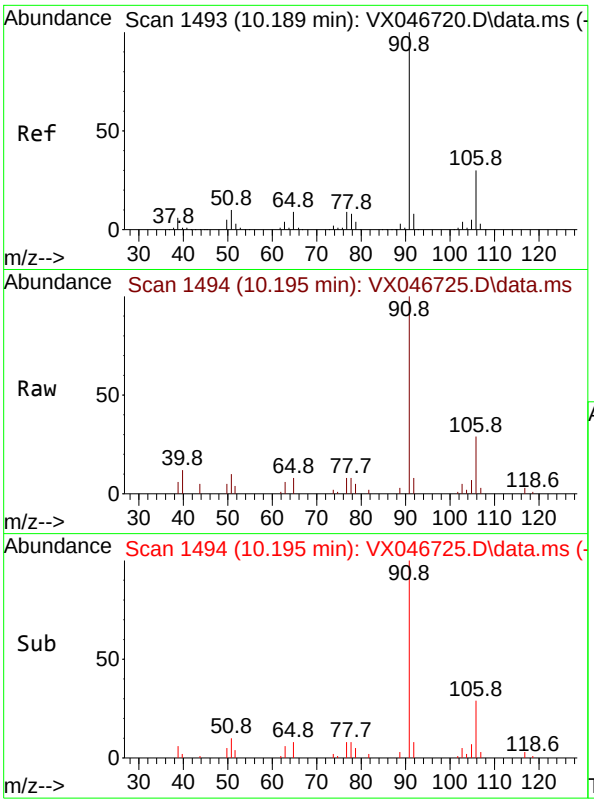




#66
1,1,1,2-Tetrachloroethane
Concen: 0.815 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:131 Resp: 1242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 89.0 | 47.3 | 141.8 |
| 119 | 0.0 | 32.1 | 96.3# |



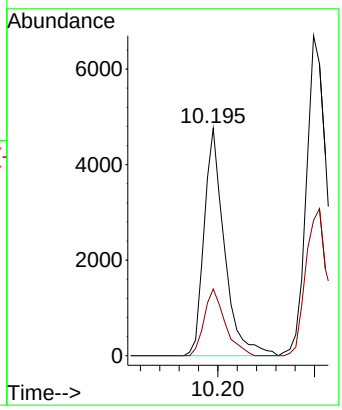


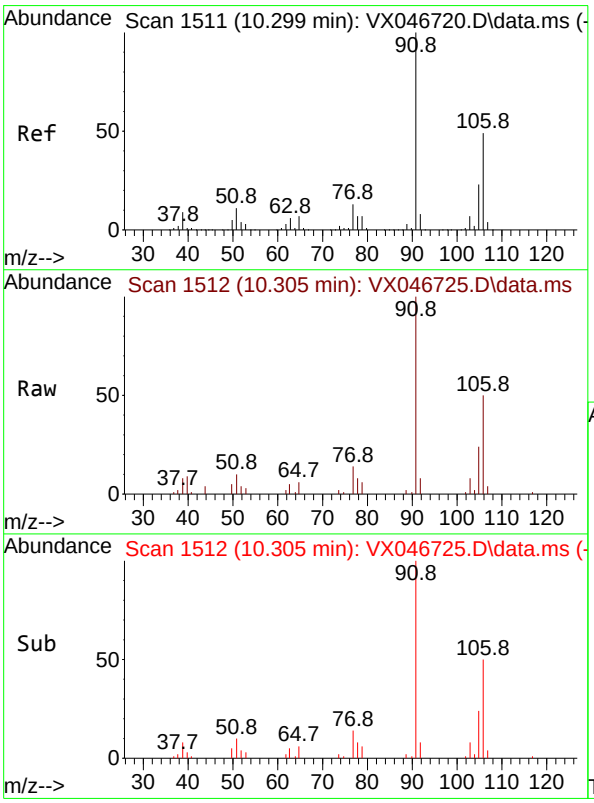

#67
Ethyl Benzene
Concen: 0.880 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 6967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 24.2 | 36.2 |

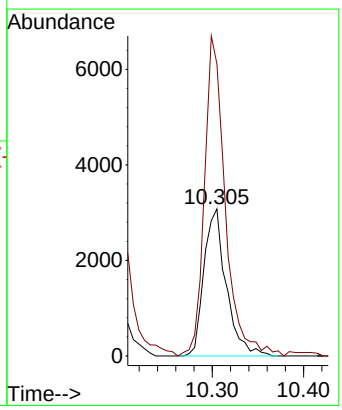


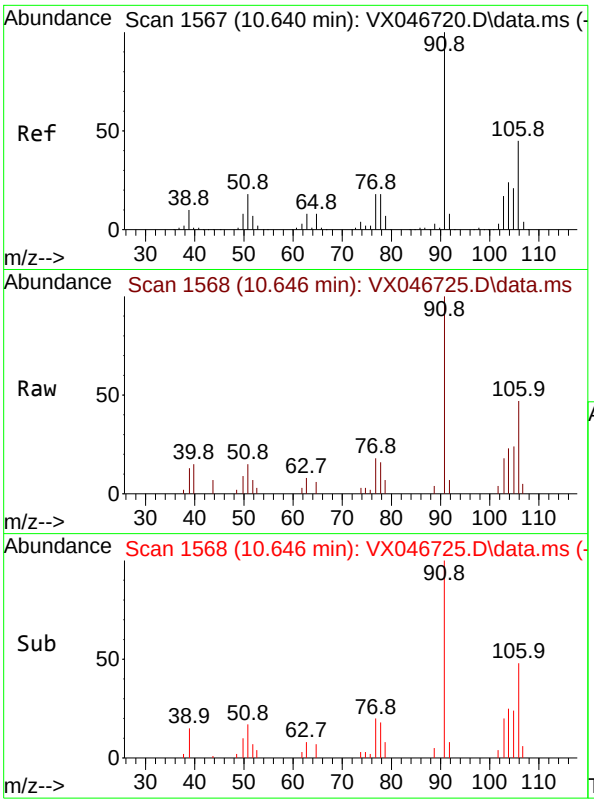




#68
m/p-Xylenes
Concen: 1.767 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:106 Resp: 5214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.7 | 164.8 | 247.2 |



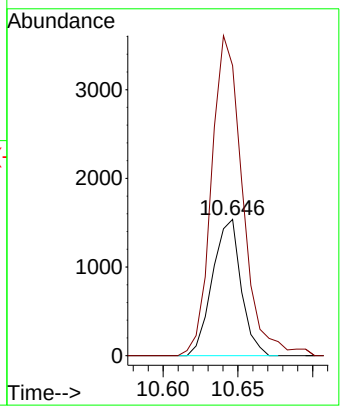


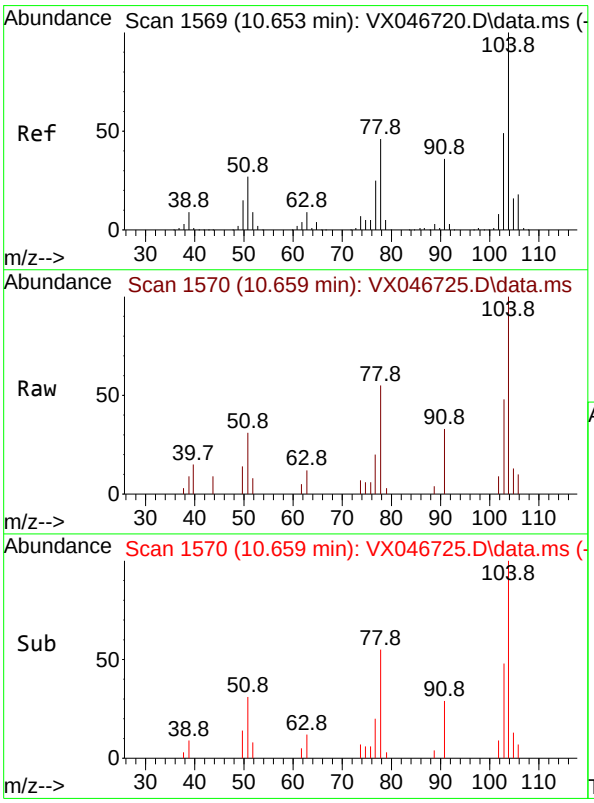

#69
o-Xylene
Concen: 0.739 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:106 Resp: 2045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 255.0 | 111.3 | 333.9 |

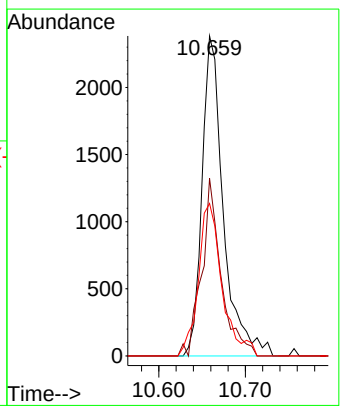


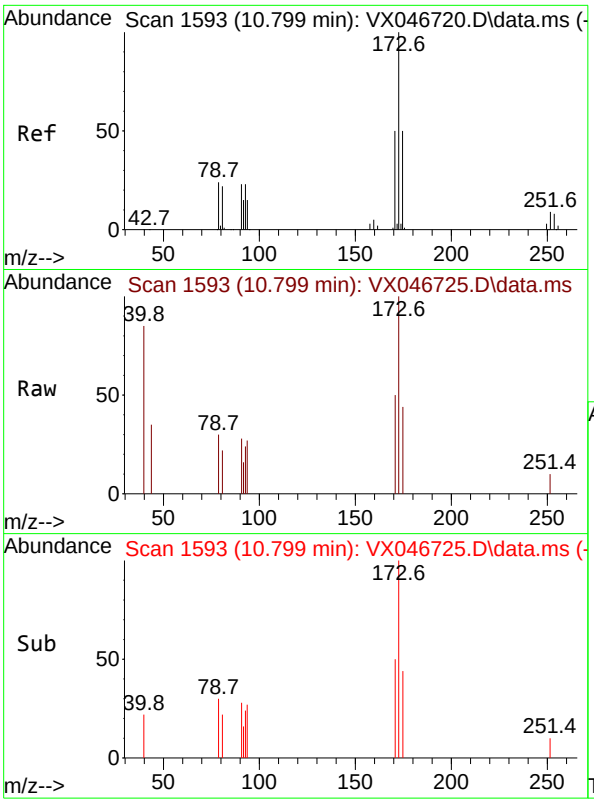




#70
Styrene
Concen: 0.842 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:104 Resp: 4077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.7 | 41.4 | 62.2 |
| 103 | 52.8 | 43.1 | 64.7 |



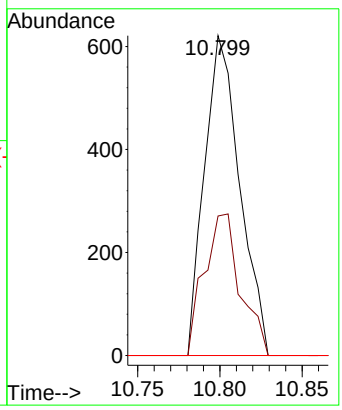


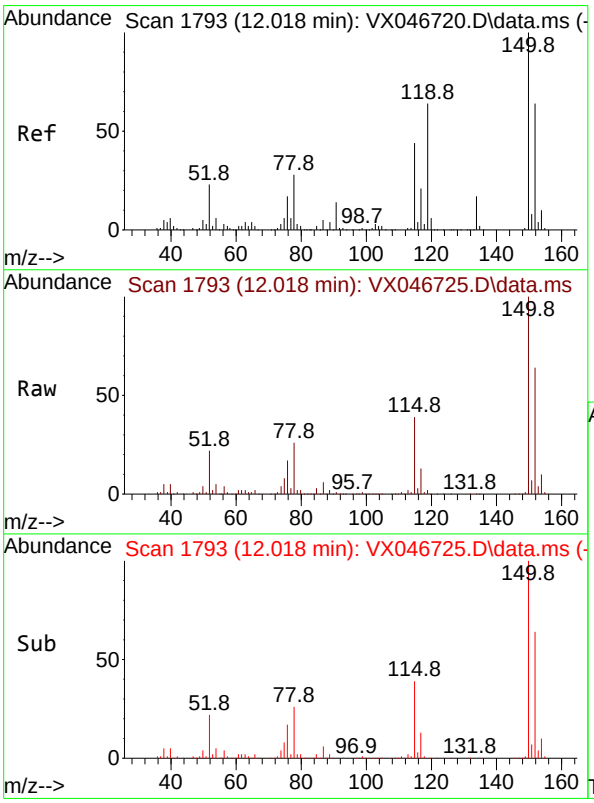

#71
Bromoform
Concen: 0.799 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:173 Resp: 927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.4 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

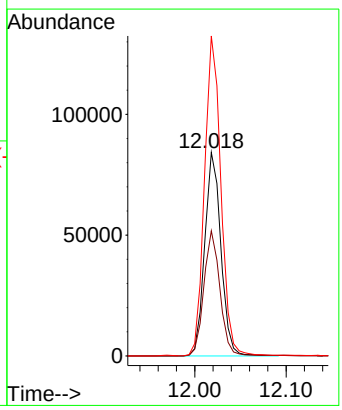


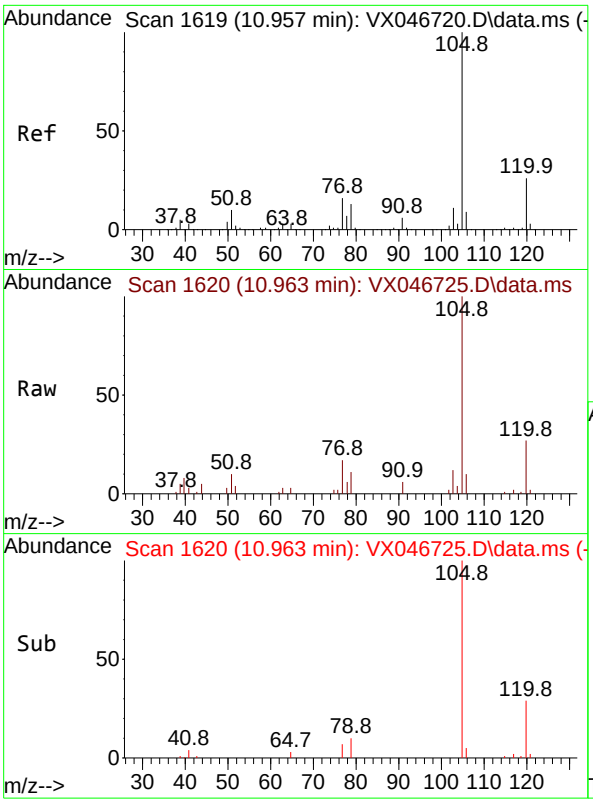




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:152 Resp: 103593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.3 | 43.2 | 129.6 |
| 150 | 159.2 | 0.0 | 346.8 |



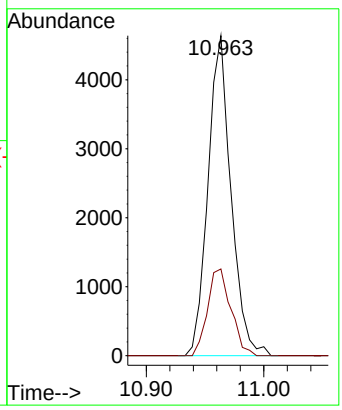


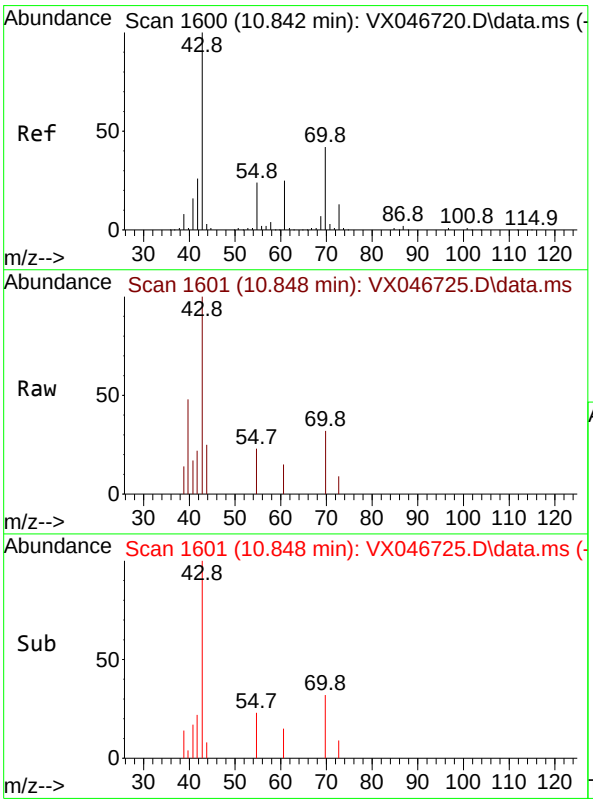

#73
Isopropylbenzene
Concen: 0.828 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 6314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.6 | 13.0 | 39.0 |

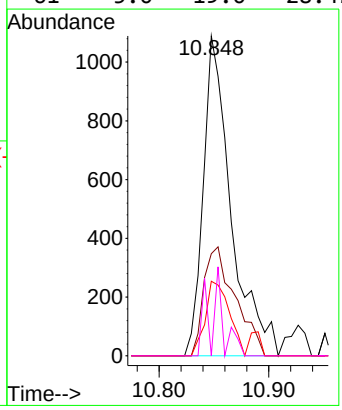


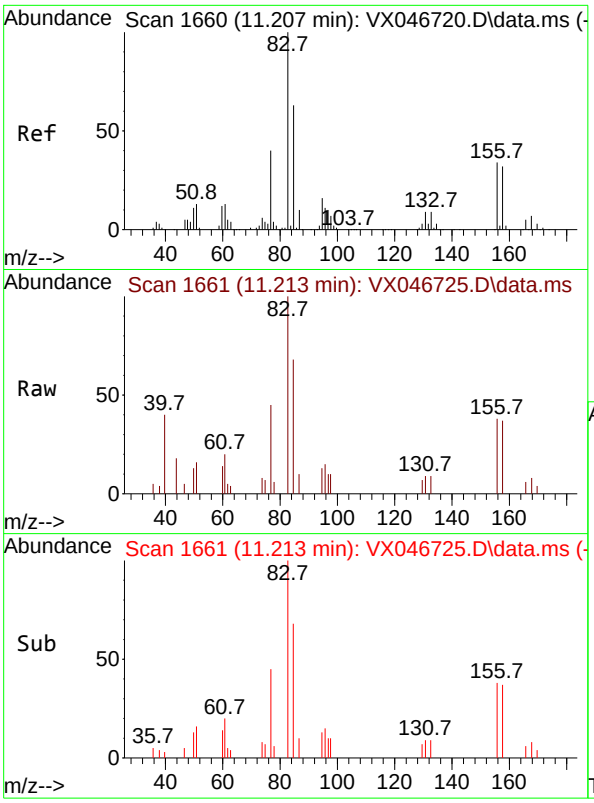




#74
N-amyl acetate
Concen: 0.665 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 43 Resp: 1921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.4 | 33.4 | 50.0 |
| 55 | 20.1 | 19.1 | 28.7 |
| 61 | 5.0 | 19.0 | 28.4# |



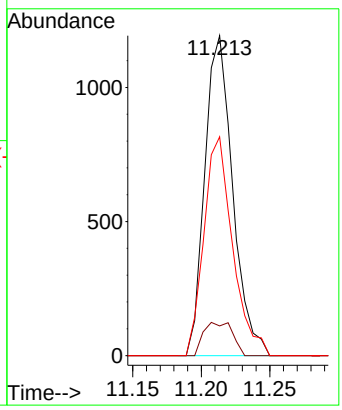


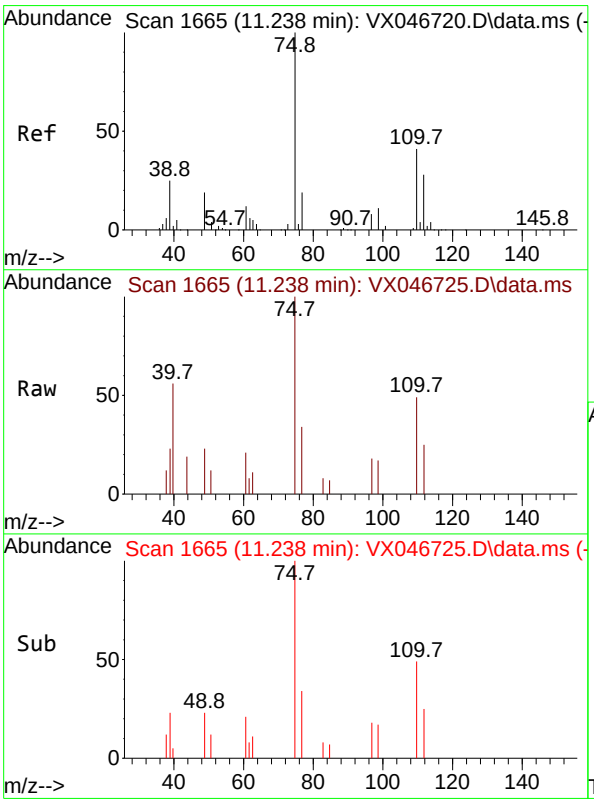

#75
1,1,2,2-Tetrachloroethane
Concen: 0.793 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 1690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 4.9 | 14.6 |
| 85 | 70.3 | 32.0 | 96.0 |

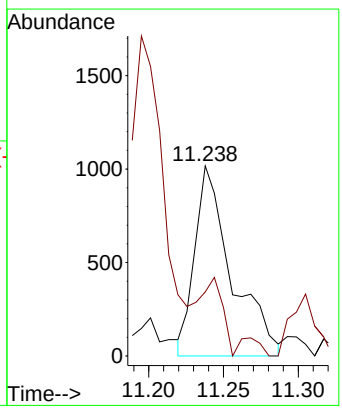


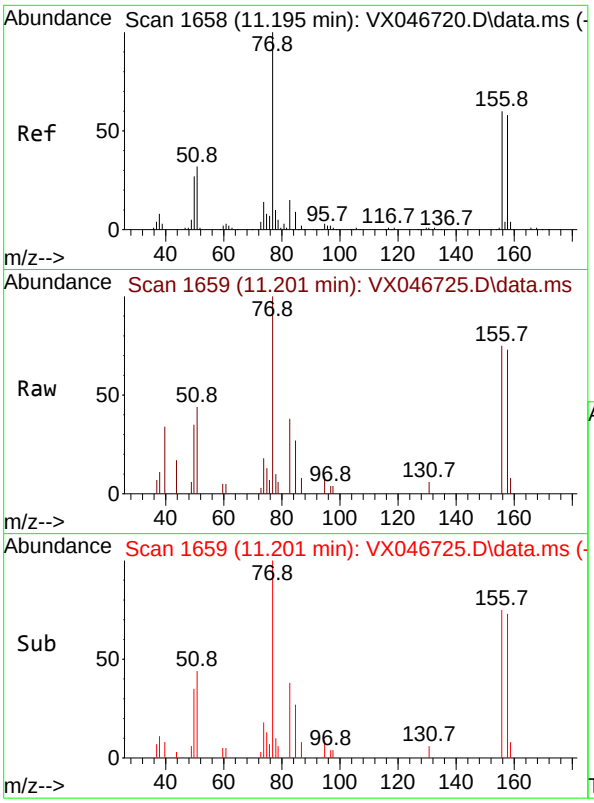




#76
1,2,3-Trichloropropane
Concen: 0.830 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 1746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 23.4 | 18.5 | 55.5 |



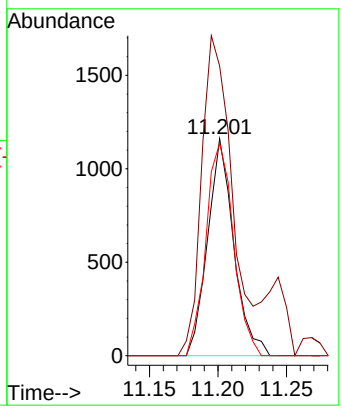


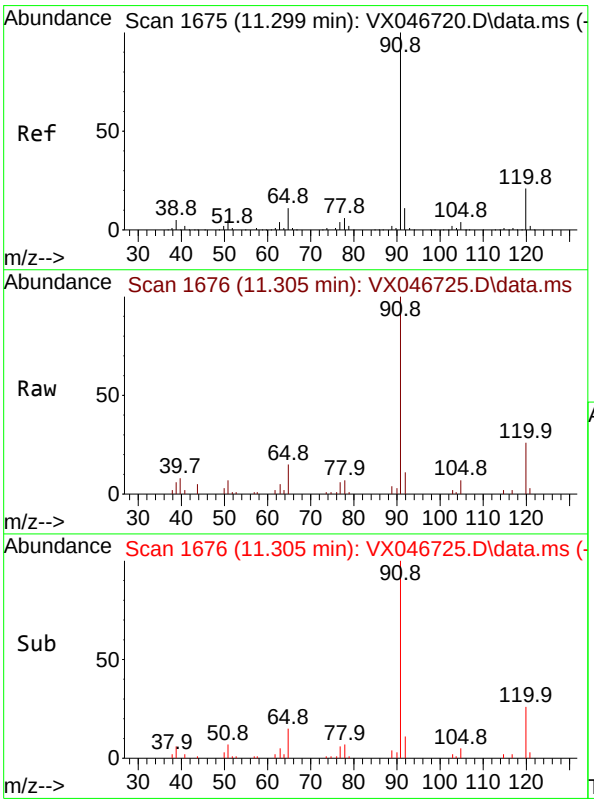

#77
Bromobenzene
Concen: 0.839 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:156 Resp: 1541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.3 | 82.8 | 248.6 |
| 158 | 103.2 | 47.6 | 142.9 |

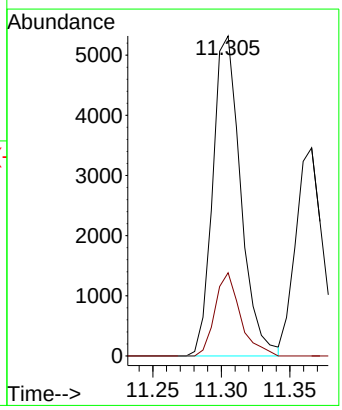


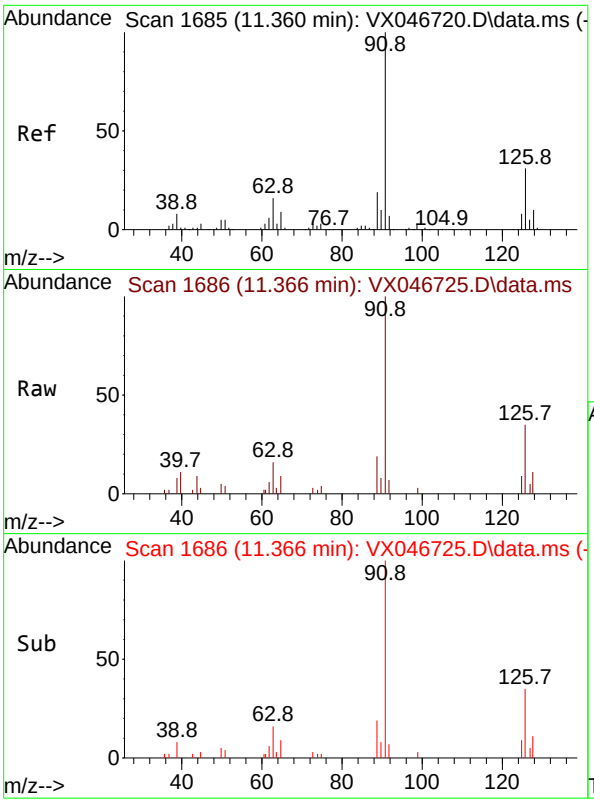




#78
n-propylbenzene
Concen: 0.833 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 7545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 11.4 | 34.1 |



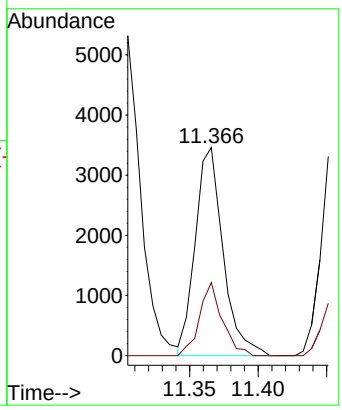


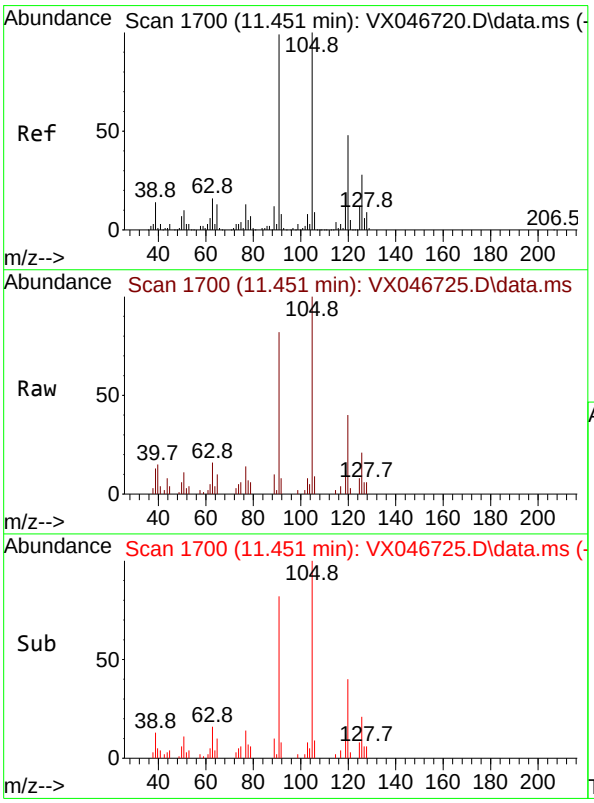

#79
2-Chlorotoluene
Concen: 0.905 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 4896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 16.6 | 49.7 |

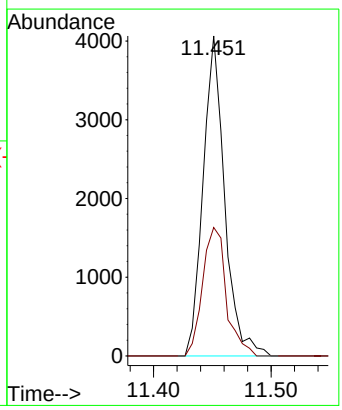


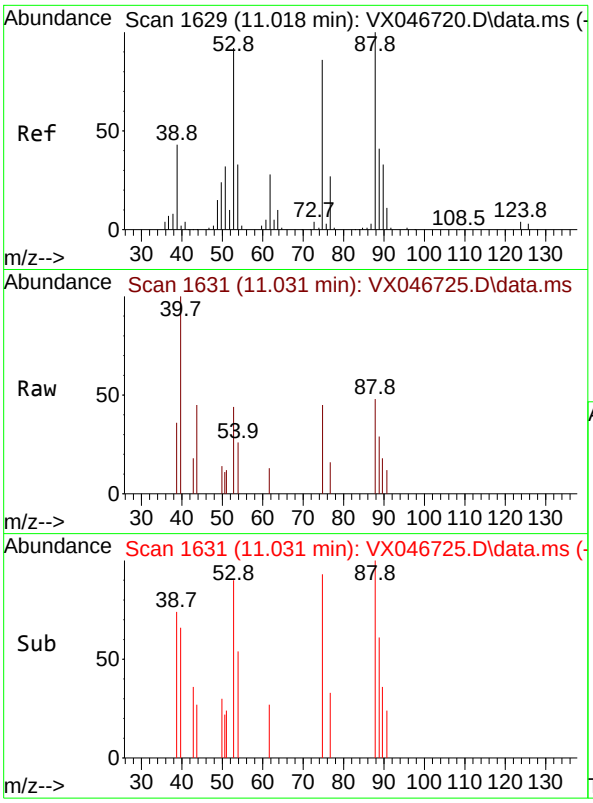




#80
1,3,5-Trimethylbenzene
Concen: 0.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:105 Resp: 5174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 24.1 | 72.2 |



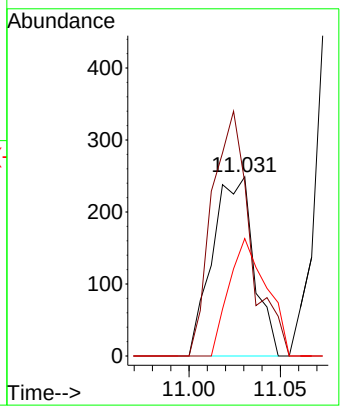


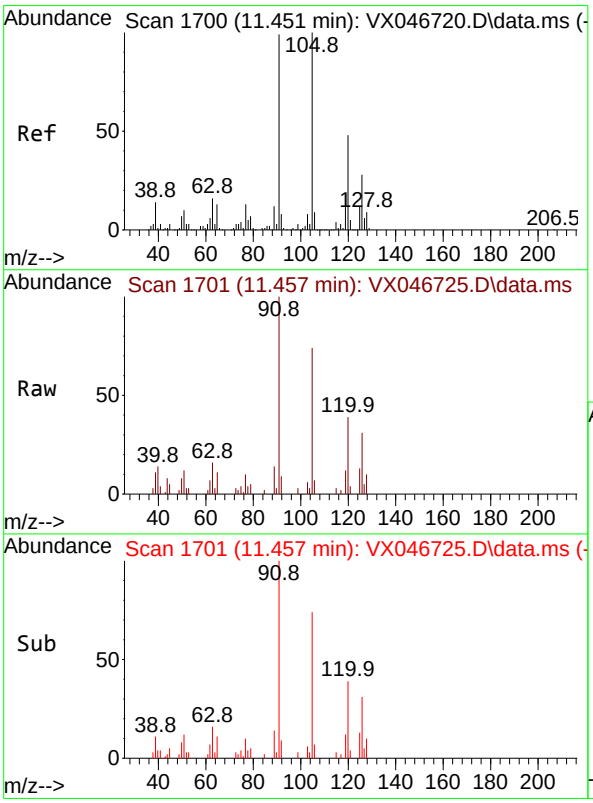

#81
trans-1,4-Dichloro-2-butene
Concen: 0.582 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 127.4 | 86.8 | 130.2 |
| 89 | 59.8 | 36.9 | 55.3# |

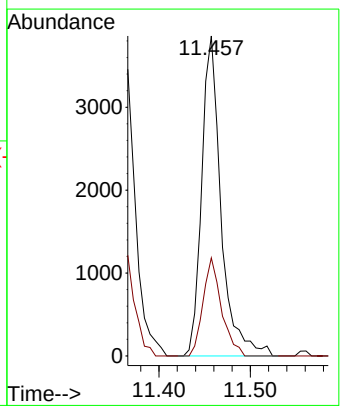


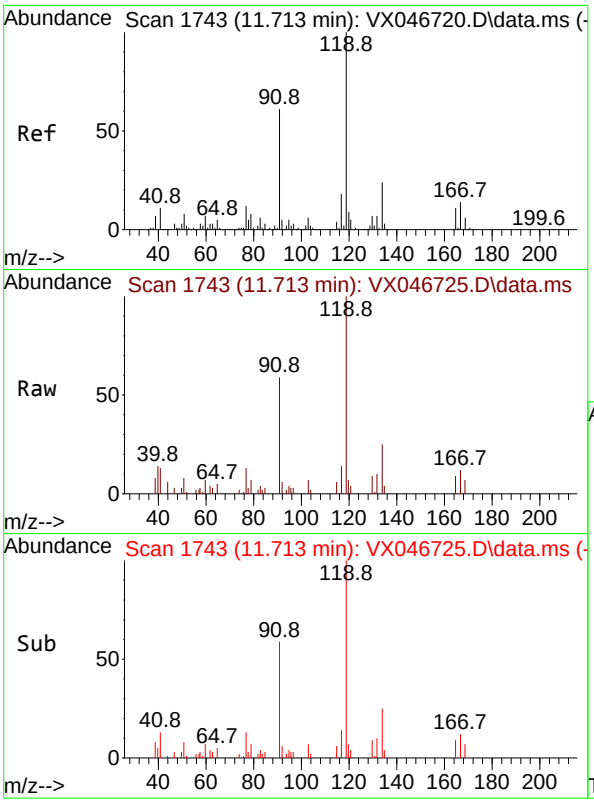




#82
4-Chlorotoluene
Concen: 0.897 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 91 Resp: 5664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.4 | 43.2 |



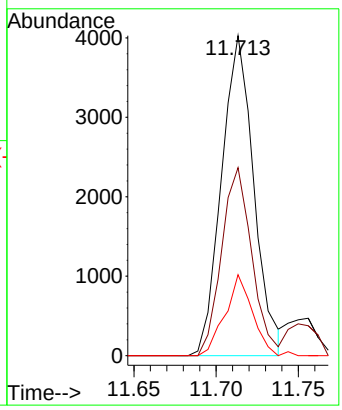


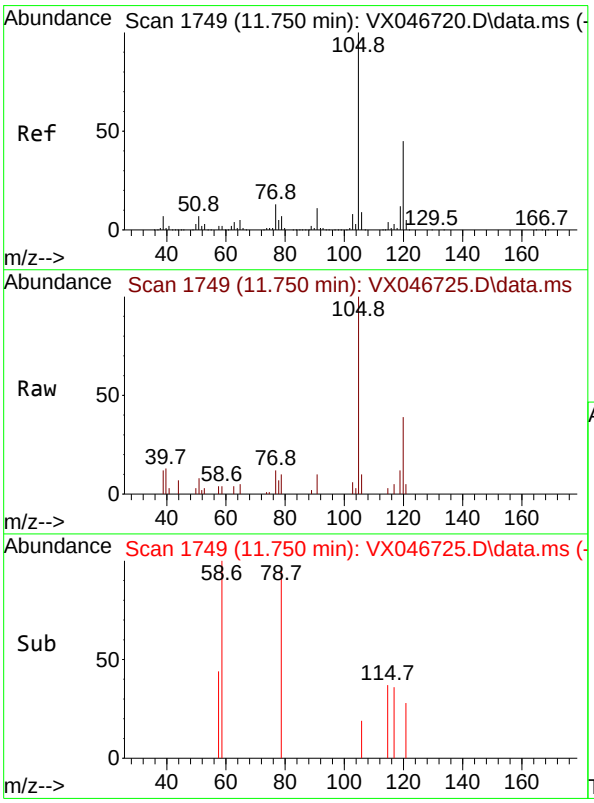

#83
tert-Butylbenzene
Concen: 0.850 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:119 Resp: 5507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 55.1 | 29.5 | 88.6 |
| 134 | 21.6 | 11.7 | 35.0 |

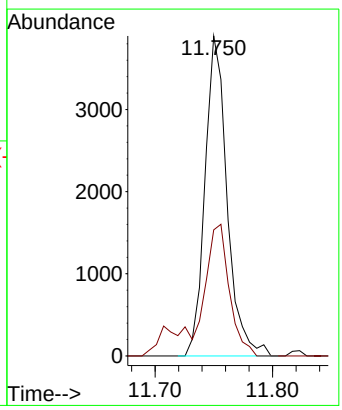


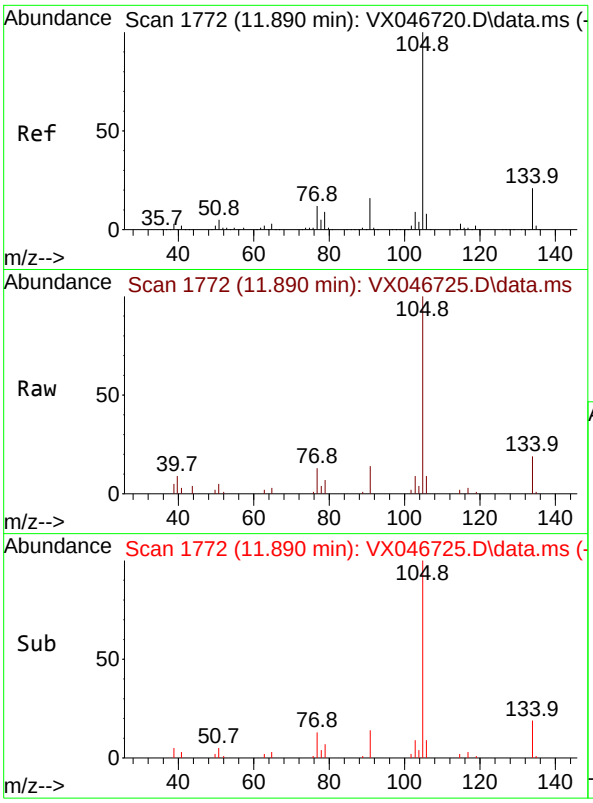




#84
1,2,4-Trimethylbenzene
Concen: 0.808 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:105 Resp: 5087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.1 | 66.3 |



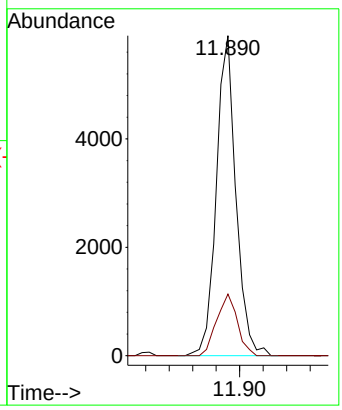


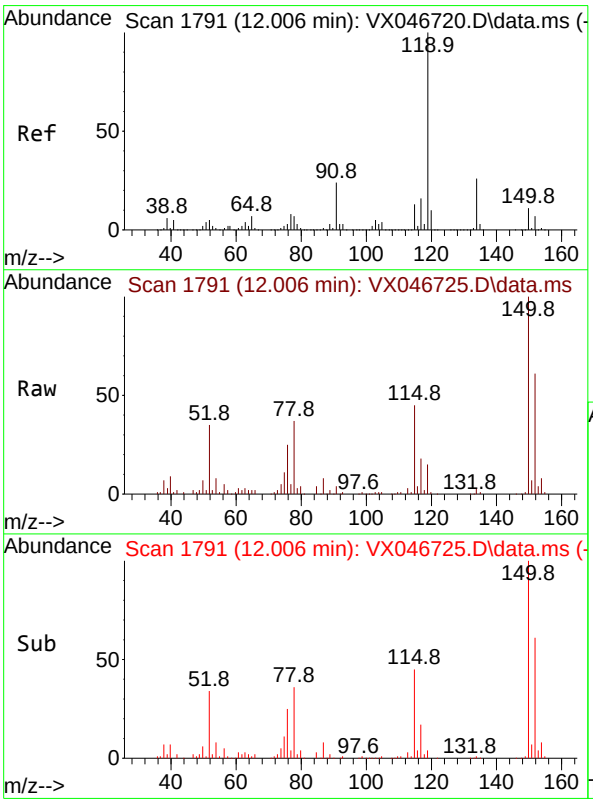

#85
sec-Butylbenzene
Concen: 0.835 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 6839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.3 | 9.8 | 29.4 |

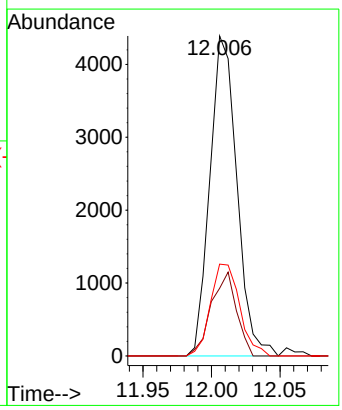


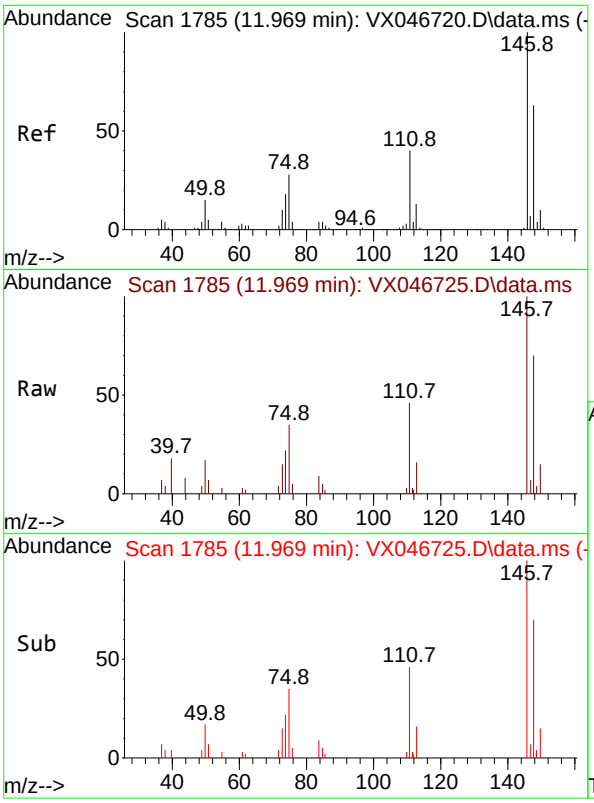




#86
p-Isopropyltoluene
Concen: 0.871 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:119 Resp: 6018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.5 | 12.9 | 38.7 |
| 91 | 31.1 | 12.3 | 36.9 |



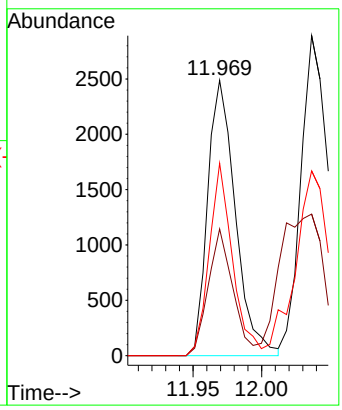


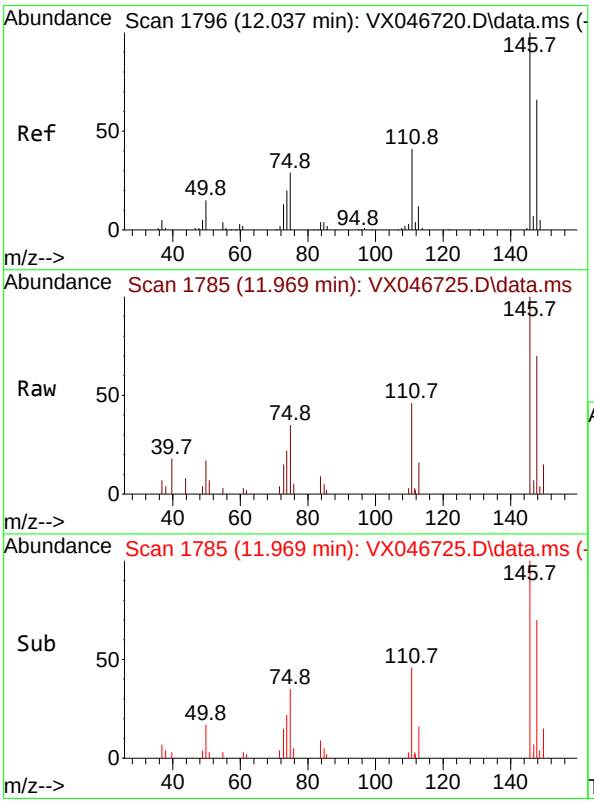

#87
1,3-Dichlorobenzene
Concen: 0.980 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 3509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 58.8 | 31.6 | 94.8 |

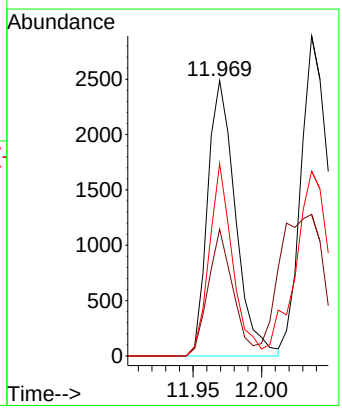


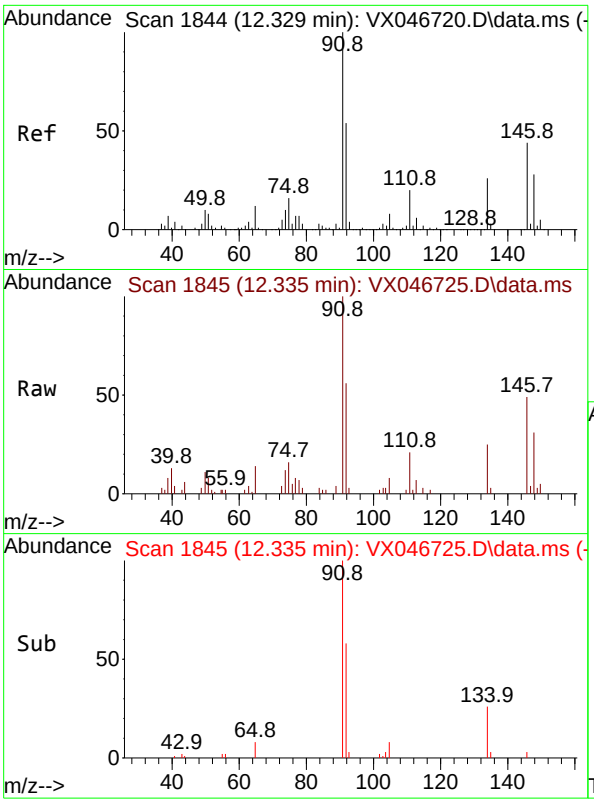




#88
1,4-Dichlorobenzene
Concen: 0.954 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:146 Resp: 3509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.3 | 61.0 |
| 148 | 58.8 | 32.1 | 96.5 |



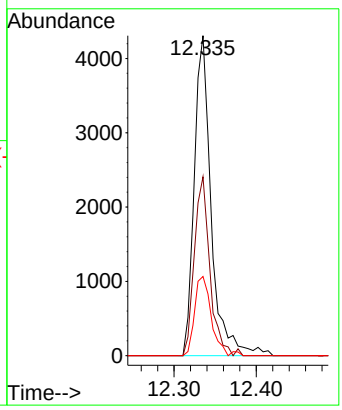


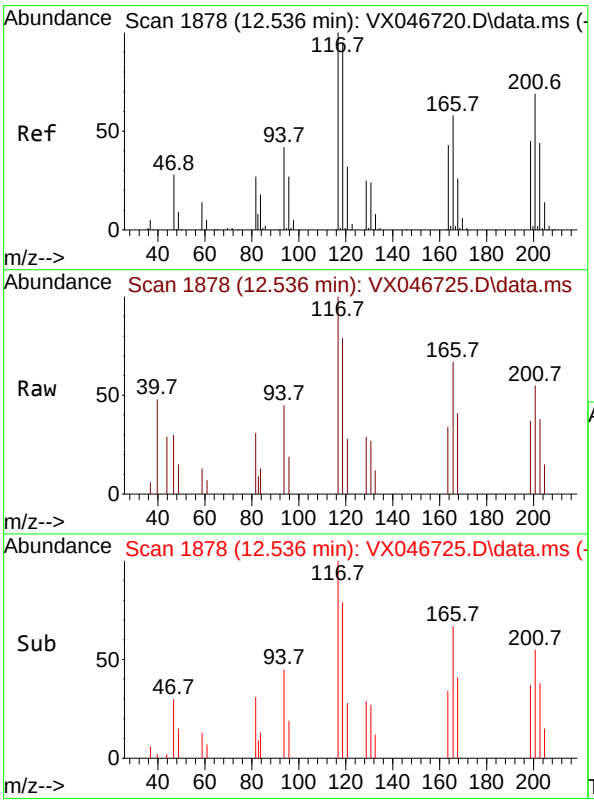

#89
n-Butylbenzene
Concen: 0.943 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 6186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.3 | 27.1 | 81.3 |
| 134 | 24.5 | 12.9 | 38.6 |

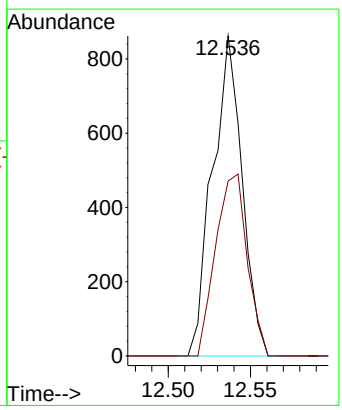


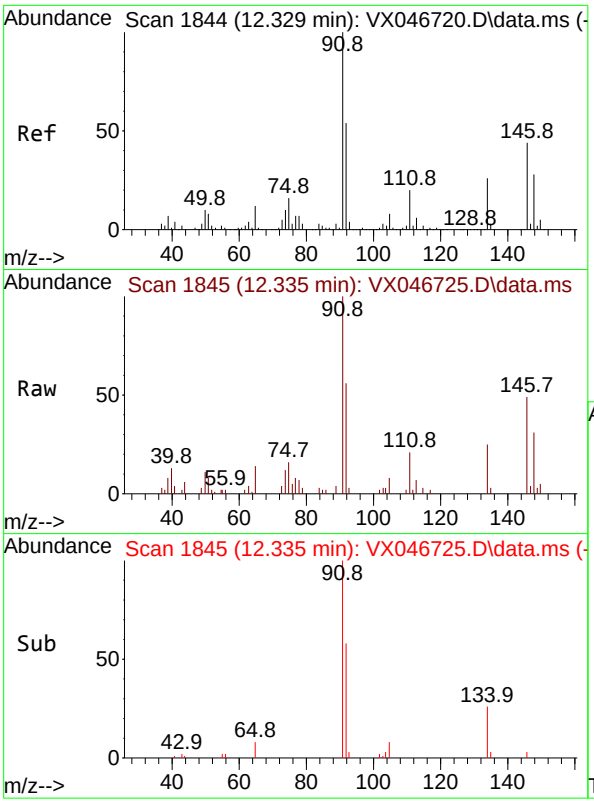




#90
Hexachloroethane
Concen: 0.893 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:117 Resp: 1081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.5 | 34.4 | 103.3 |



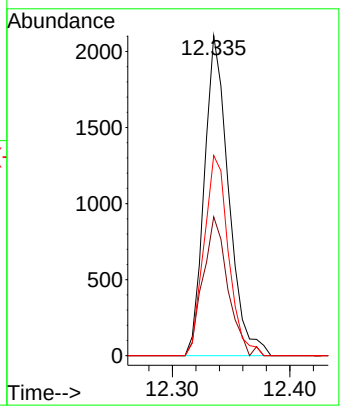


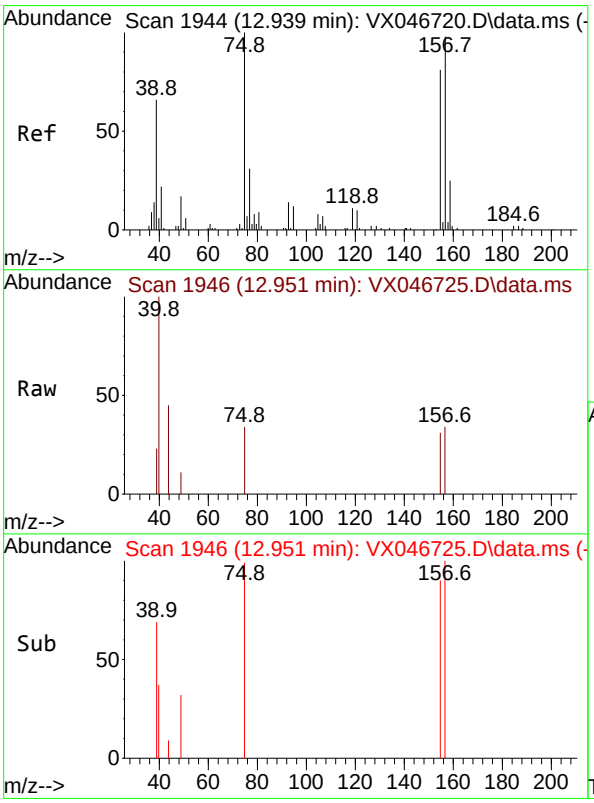

#91
1,2-Dichlorobenzene
Concen: 0.904 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 3024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 21.7 | 65.1 |
| 148 | 63.1 | 32.0 | 96.2 |

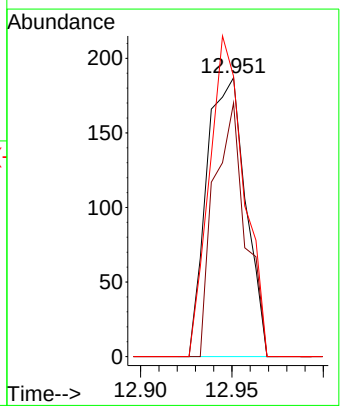


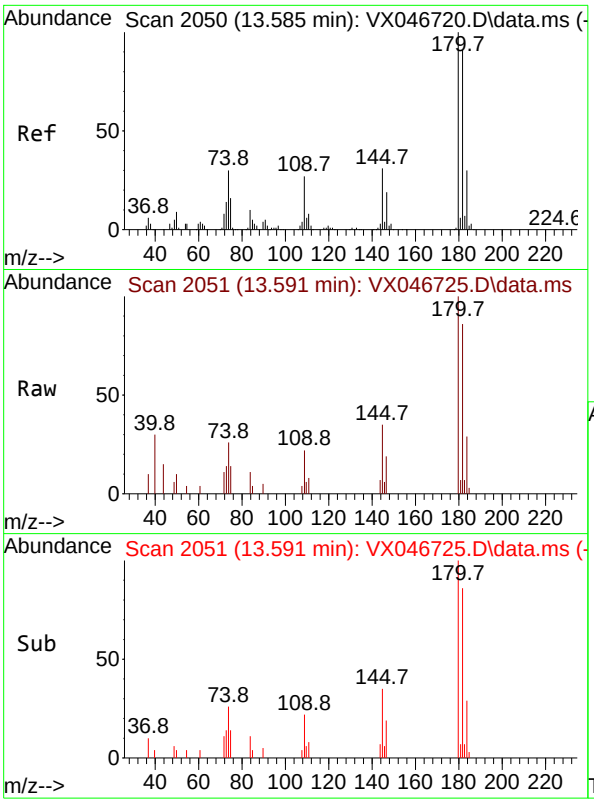




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.659 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.012 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion: 75 Resp: 277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 73.6 | 41.9 | 125.7 |
| 157 | 102.5 | 51.4 | 154.3 |



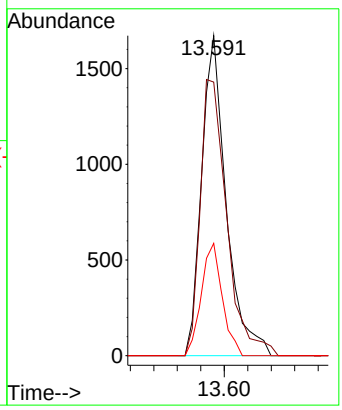


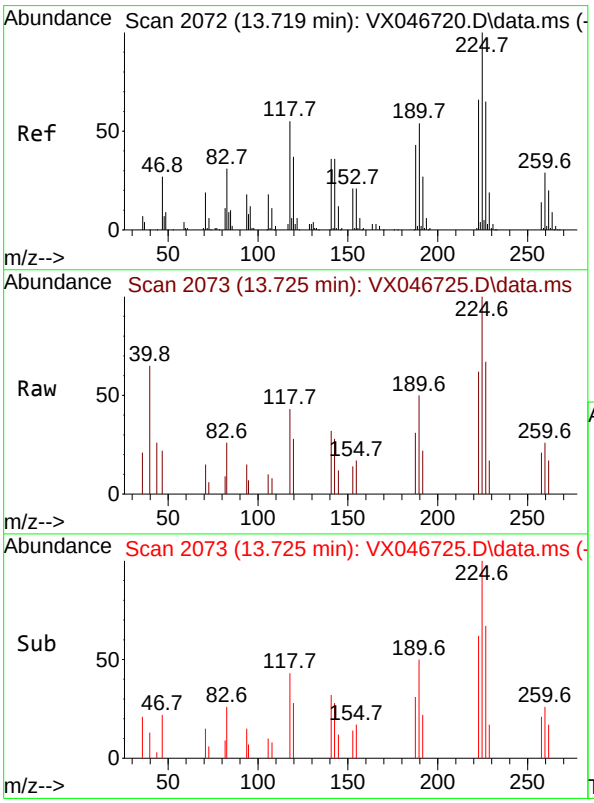

#93
1,2,4-Trichlorobenzene
Concen: 1.019 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:180 Resp: 2424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.7 | 140.1 |
| 145 | 30.0 | 15.8 | 47.4 |

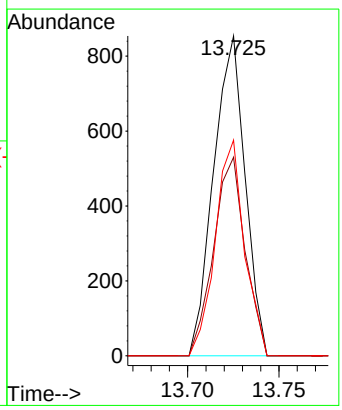


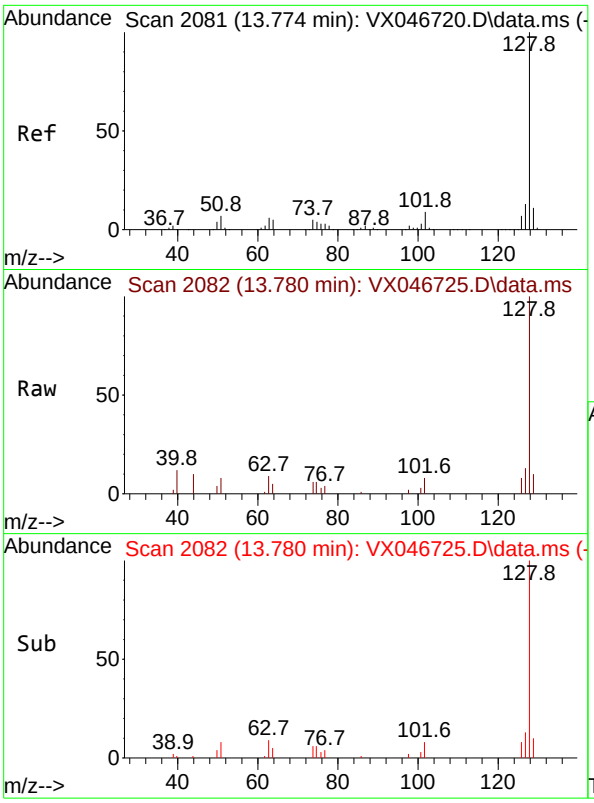




#94
Hexachlorobutadiene
Concen: 1.025 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:225 Resp: 1025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 32.5 | 97.5 |
| 227 | 62.4 | 32.2 | 96.6 |



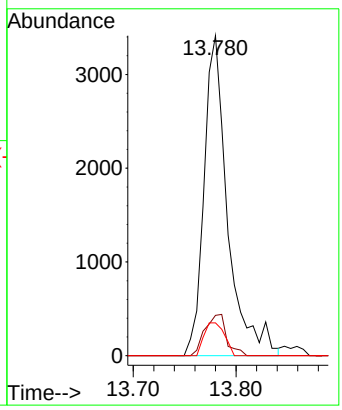


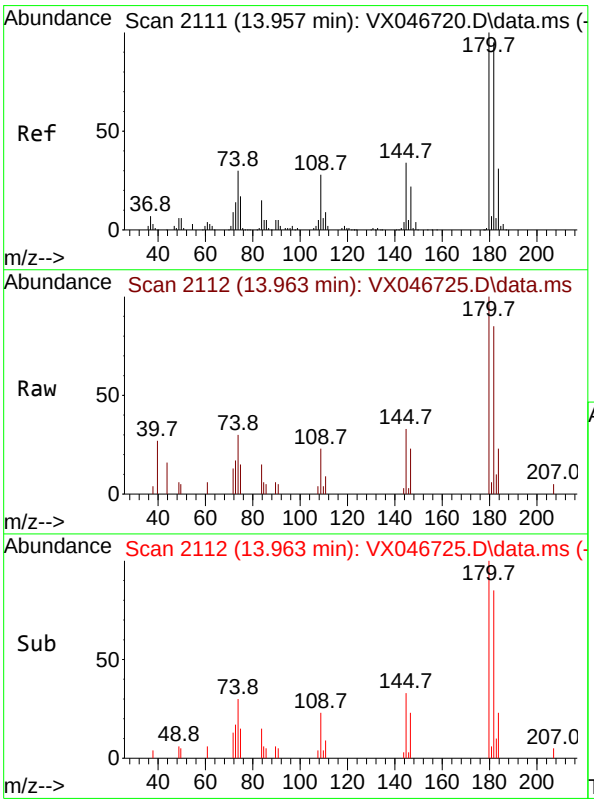

#95
Naphthalene
Concen: 0.806 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:128 Resp: 5461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.8 | 10.1 | 15.1 |
| 129 | 8.9 | 8.7 | 13.1 |

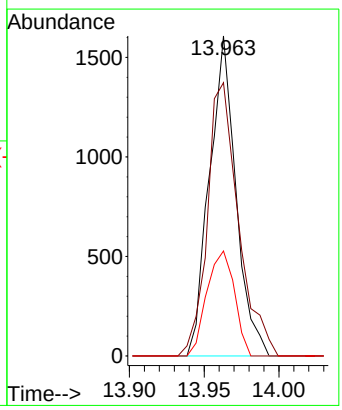



#96
1,2,3-Trichlorobenzene
Concen: 0.871 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046725.D
Acq: 17 Jun 2025 17:18

Tgt Ion:180 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.9 | 47.8 | 143.4 |
| 145 | 34.1 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 129144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 209541 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 184761 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 91992 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 81629 | 45.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 91.400% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 66647 | 48.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 96.140% | | |
| 50) Toluene-d8 | 8.647 | 98 | 236781 | 47.537 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 95.080% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 88588 | 47.712 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 95.420% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 75554 | 54.798 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 76483 | 51.393 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 82156 | 51.768 | ug/l | 95 |
| 5) Bromomethane | 1.618 | 94 | 48957 | 54.831 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 49931 | 51.911 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 123768 | 51.363 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 42437 | 51.316 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 75525 | 51.089 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 84139 | 45.861 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 40385 | 251.888 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 74097 | 51.945 | ug/l | 99 |
| 13) Acrolein | 2.246 | 56 | 59544 | 254.972 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 131610 | 50.922 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 187601 | 260.219 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 146745 | 246.347 | ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 205516 | 47.710 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 80049 | 52.909 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 226557 | 51.008 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 80668 | 48.696 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 76889 | 50.375 | ug/l | 98 |
| 22) Diisopropyl ether | 3.770 | 45 | 257775 | 51.890 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1044679 | 264.451 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 142442 | 50.502 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 222870 | 264.542 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 104151 | 50.629 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 89665 | 50.003 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 64330 | 50.308 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 143570 | 263.836 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 144108 | 51.089 | ug/l | 98 |
| 31) Cyclohexane | 5.483 | 56 | 132301 | 49.462 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 123796 | 50.042 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 100241 | 50.088 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 94953 | 51.401 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 109471 | 50.403 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 132086 | 50.155 | ug/l | 97 |
| 40) Benzene | 6.044 | 78 | 304346 | 51.385 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 54501 | 55.341 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.099 | 62 | 106085 | 50.970 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 155773 | 53.888 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 76981 | 51.000 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 74773 | 50.940 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 54149 | 51.329 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 110823 | 51.479 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 79868 | 55.091 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 20314 | 964.253 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 470527 | 272.916 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 188131 | 51.237 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105435 | 52.785 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 117487 | 51.813 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 70739 | 51.698 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109612 | 54.266 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 121649 | 51.625 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 293709 | 279.922 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 326564 | 273.982 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 82234 | 50.997 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 72749 | 52.268 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 62943 | 49.172 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 203947 | 50.006 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 69709 | 50.856 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 359779 | 50.487 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 272935 | 102.789 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 130980 | 52.635 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 227060 | 52.139 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 53660 | 51.404 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 346098 | 51.083 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 138890 | 54.107 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 98960 | 52.310 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 106102 | 62.974 | ug/l | | 92 |
| 77) Bromobenzene | 11.195 | 156 | 82515 | 50.611 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 412345 | 51.240 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 239904 | 49.931 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 288104 | 51.746 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29929 | 50.210 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 280848 | 50.085 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 287513 | 49.958 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 286365 | 51.193 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 371523 | 51.079 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 311698 | 50.791 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 154181 | 48.501 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 153158 | 46.906 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 296174 | 50.829 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 52831 | 49.161 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 147561 | 49.672 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 19851 | 53.151 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104267 | 49.369 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45958 | 51.729 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 315669 | 52.462 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 103451 | 51.200 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

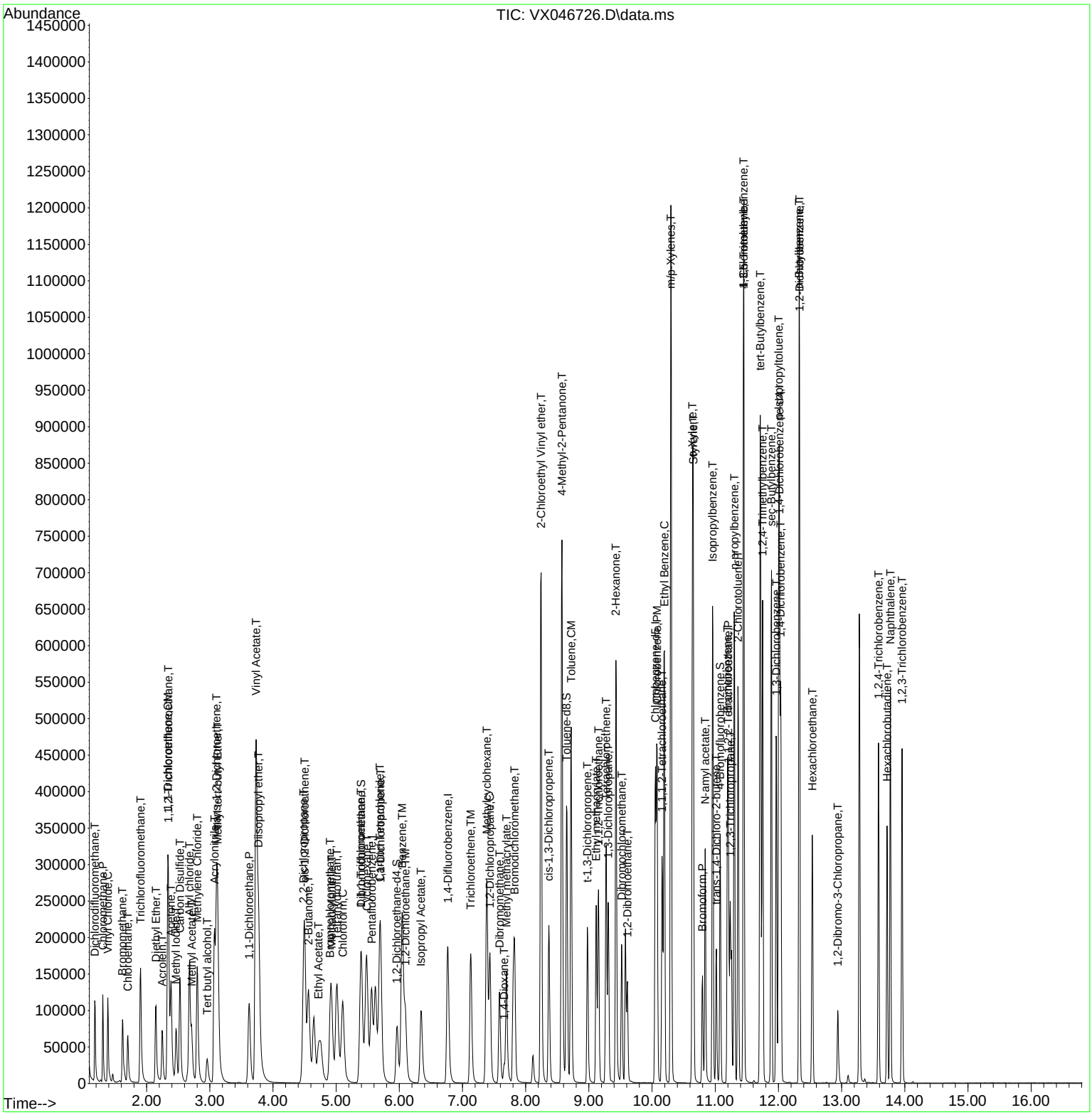
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

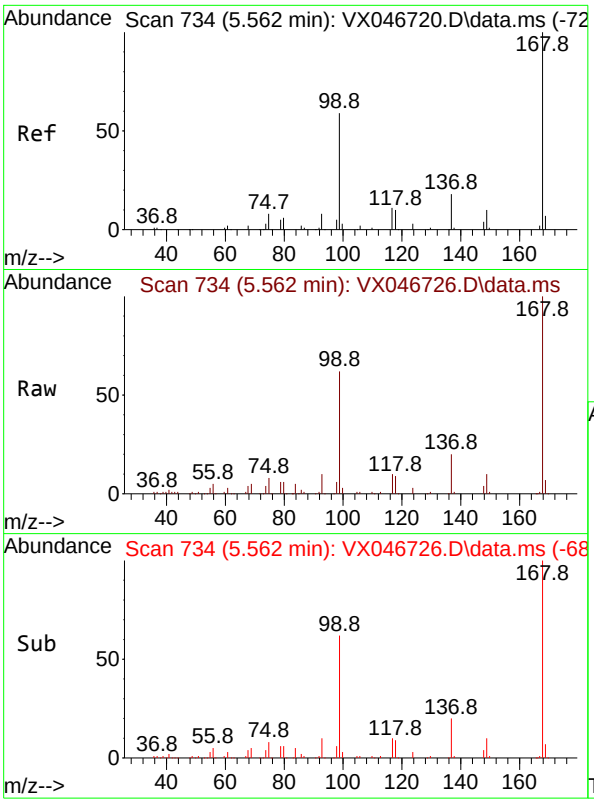
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



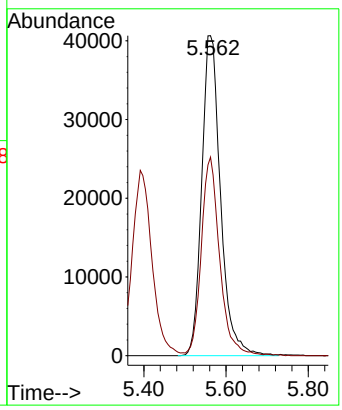


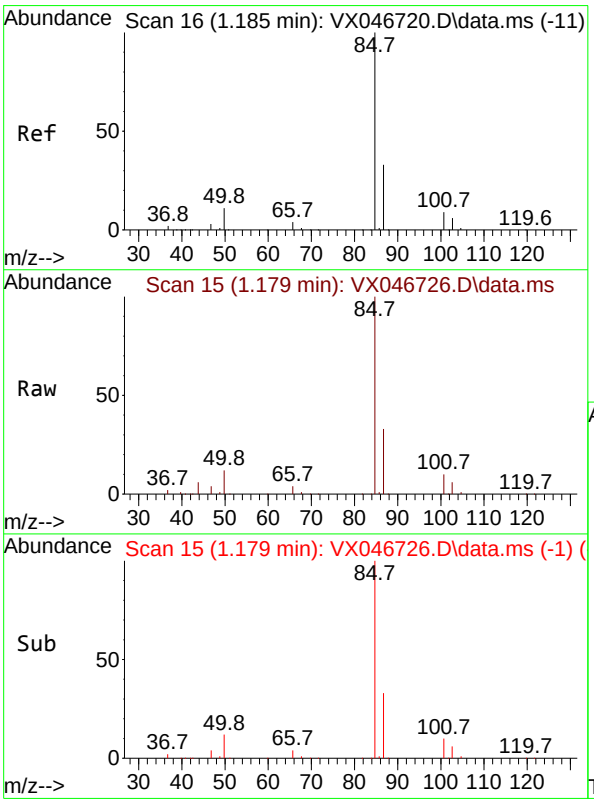

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:168 Resp: 129144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.8 | 48.5 | 72.7 |

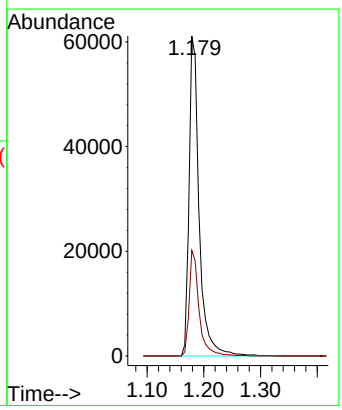


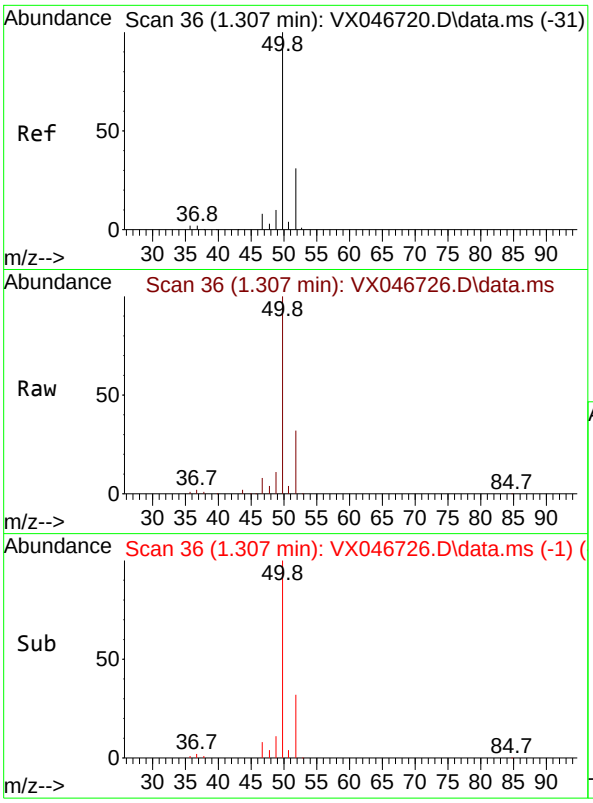




#2
Dichlorodifluoromethane
Concen: 54.798 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 85 Resp: 75554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 16.6 | 49.8 |



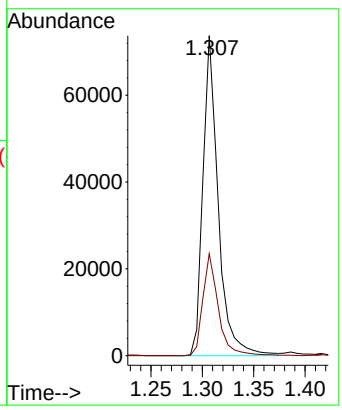


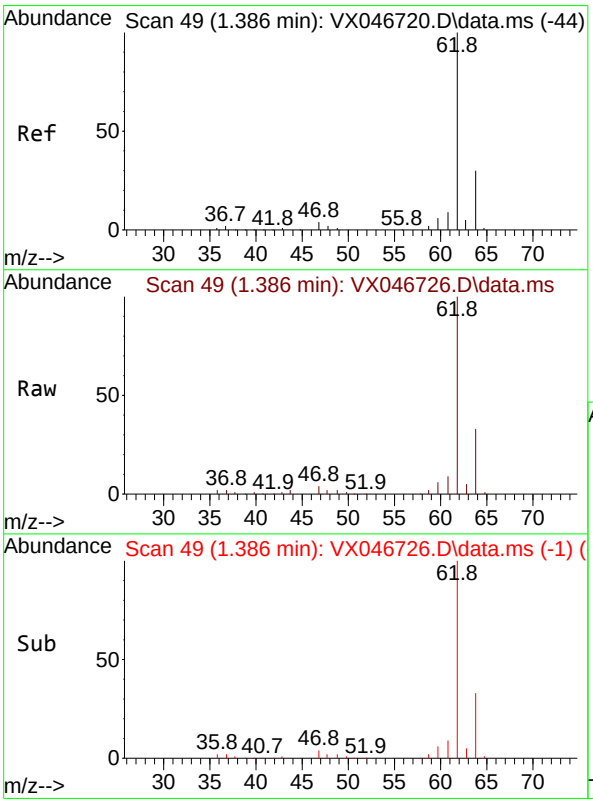

#3
Chloromethane
Concen: 51.393 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 50 Resp: 76483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |

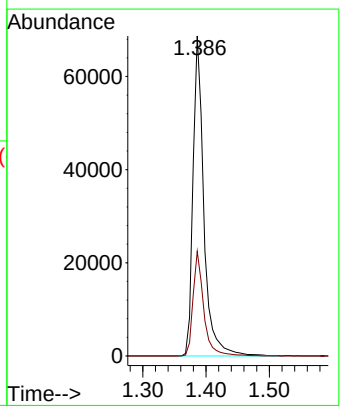


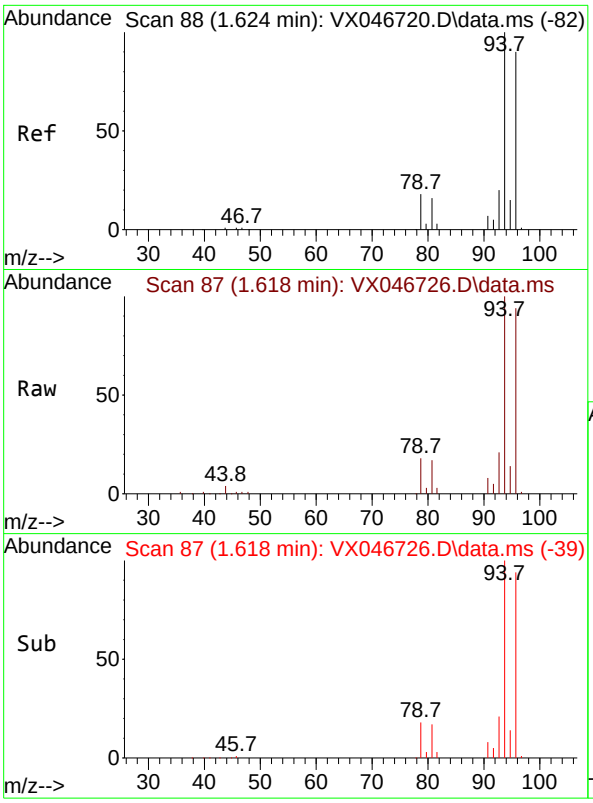




#4
Vinyl Chloride
Concen: 51.768 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 62 Resp: 82156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 23.9 | 35.9 |



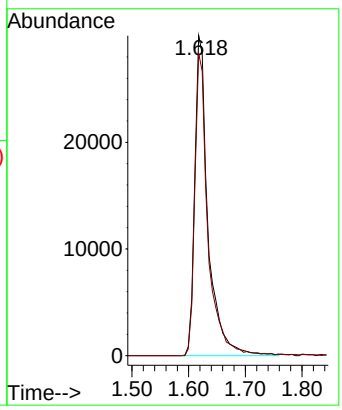


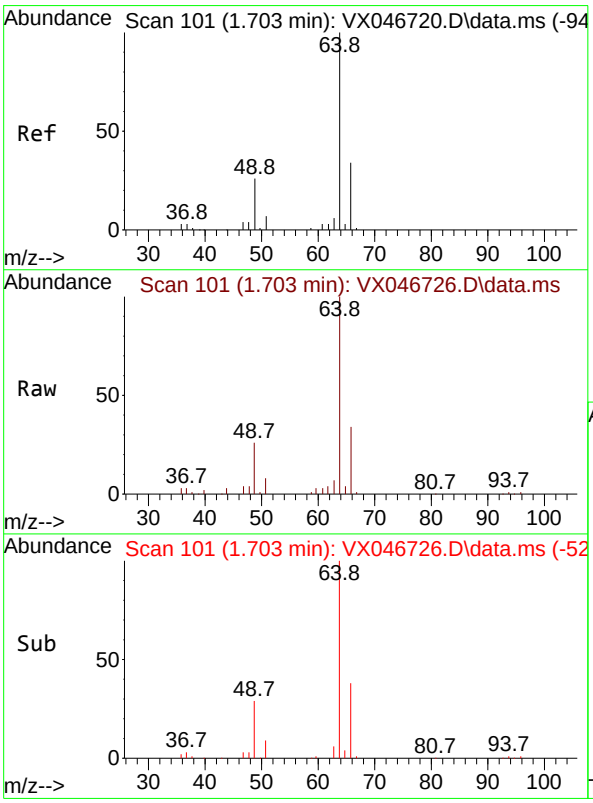

#5
Bromomethane
Concen: 54.831 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 94 Resp: 48957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 72.3 | 108.5 |

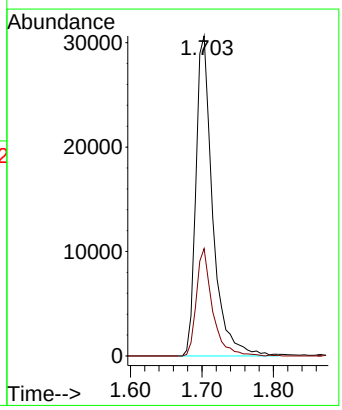


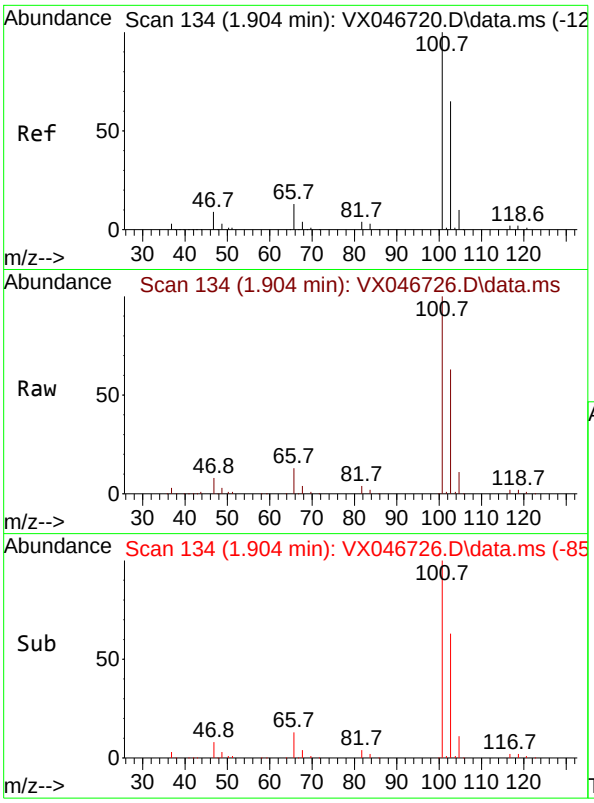




#6
Chloroethane
Concen: 51.911 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 64 Resp: 49931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 27.1 | 40.7 |



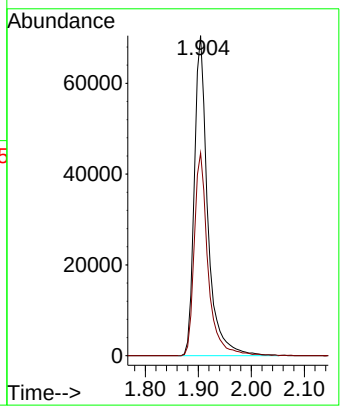


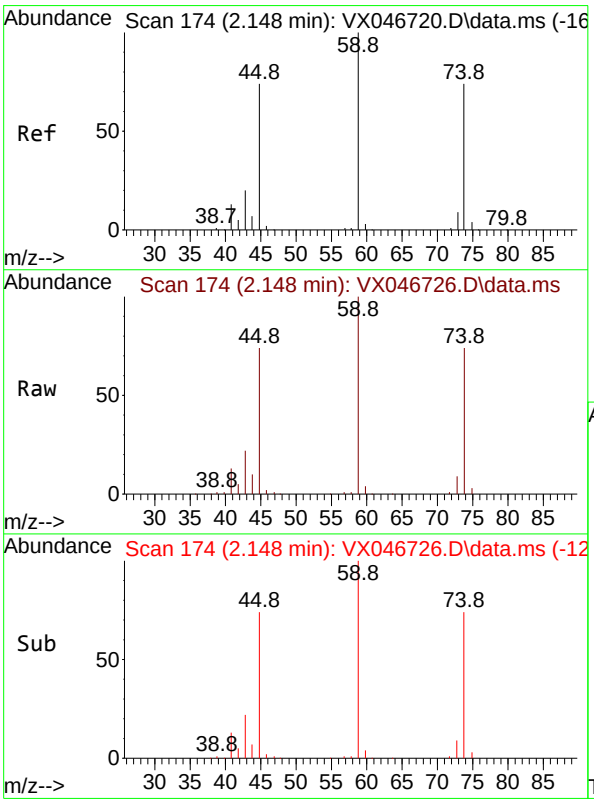

#7
Trichlorofluoromethane
Concen: 51.363 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:101 Resp: 123768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.4 | 51.8 | 77.8 |

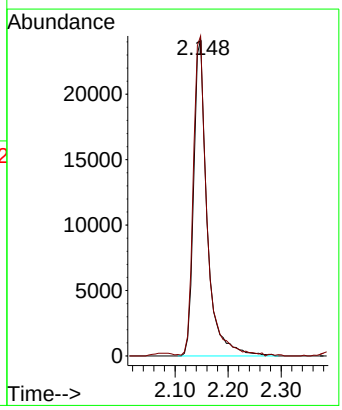


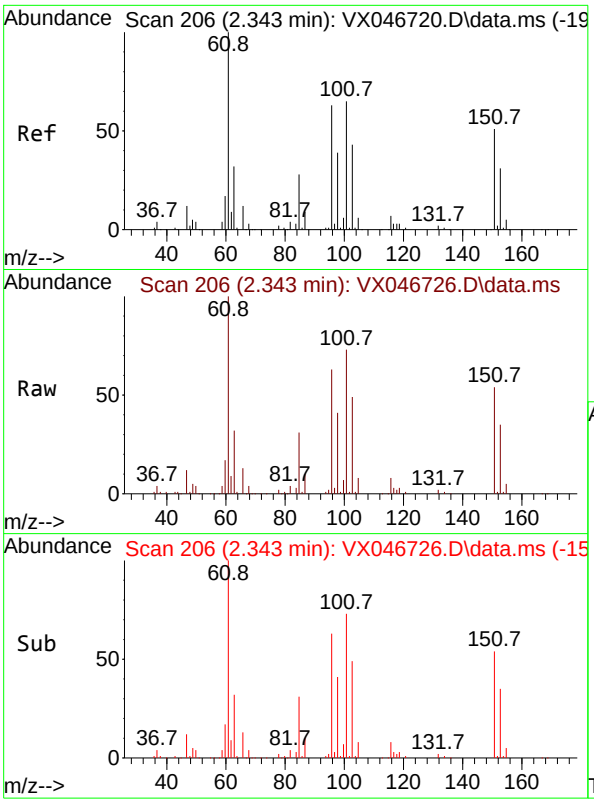




#8
Diethyl Ether
Concen: 51.316 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 74 Resp: 42437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.7 | 52.3 | 157.1 |



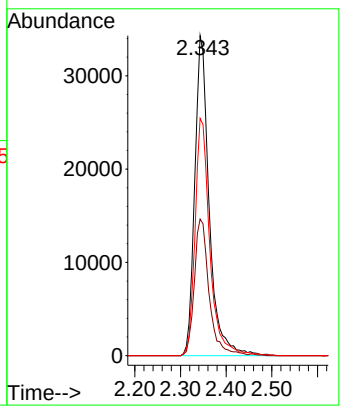


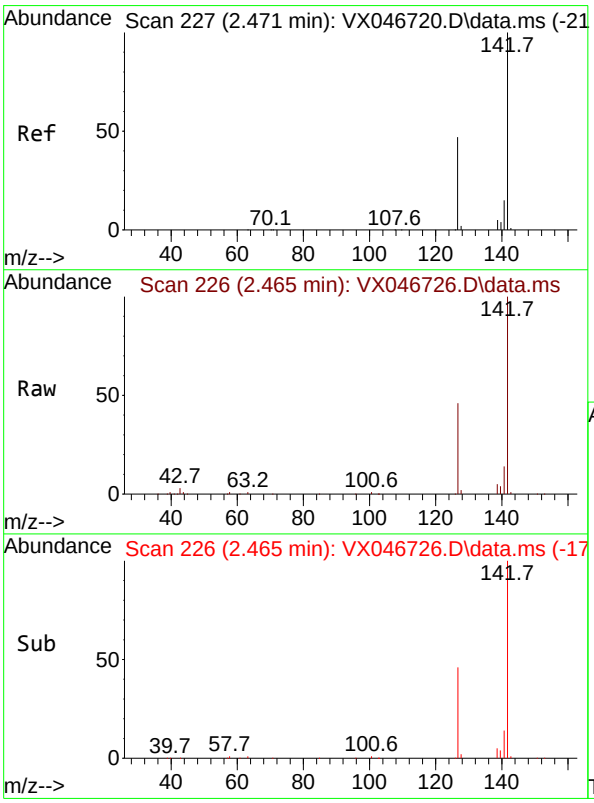

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.089 ug/l
RT: 2.343 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:101 Resp: 75525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.4 | 53.0 |
| 151 | 75.9 | 61.2 | 91.8 |

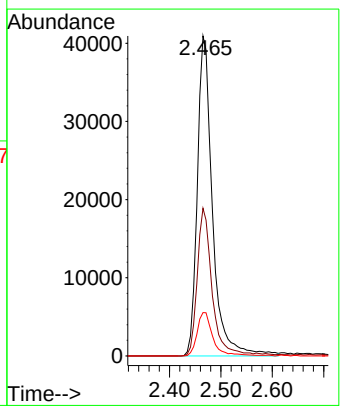


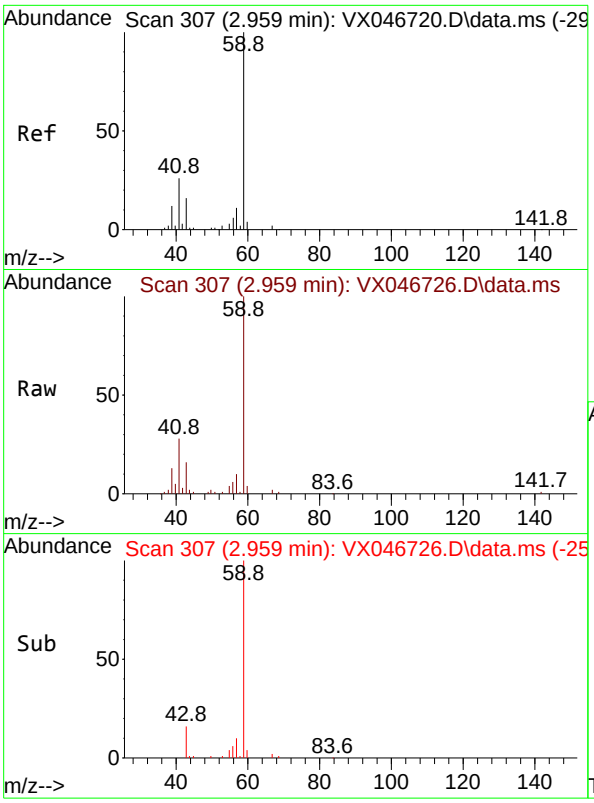




#10
Methyl Iodide
Concen: 45.861 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:142 Resp: 84139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.9 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |



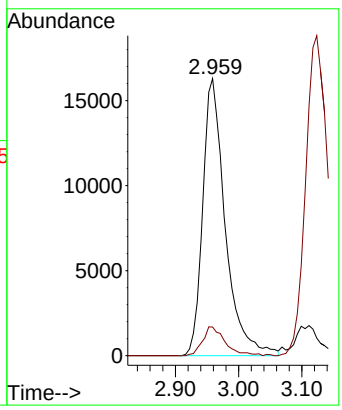


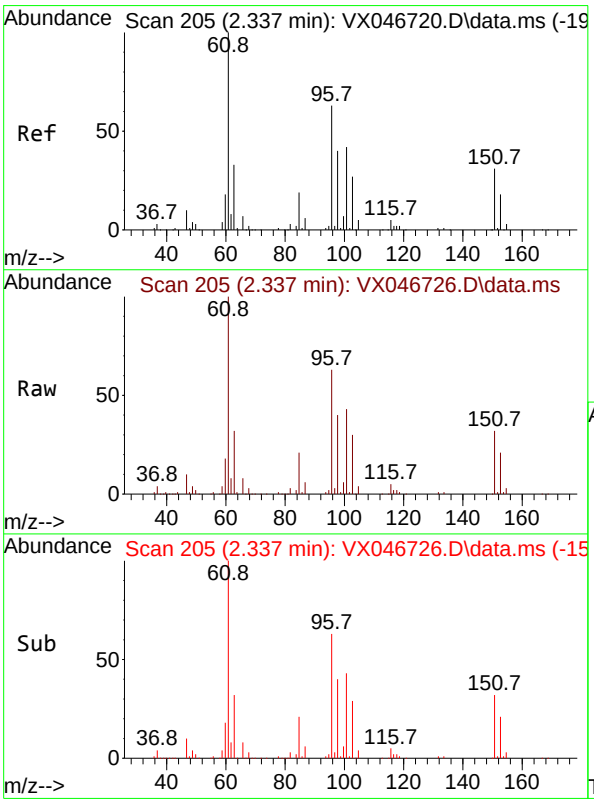

#11
Tert butyl alcohol
Concen: 251.888 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 59 Resp: 40385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

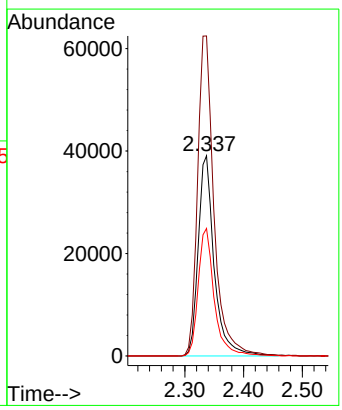


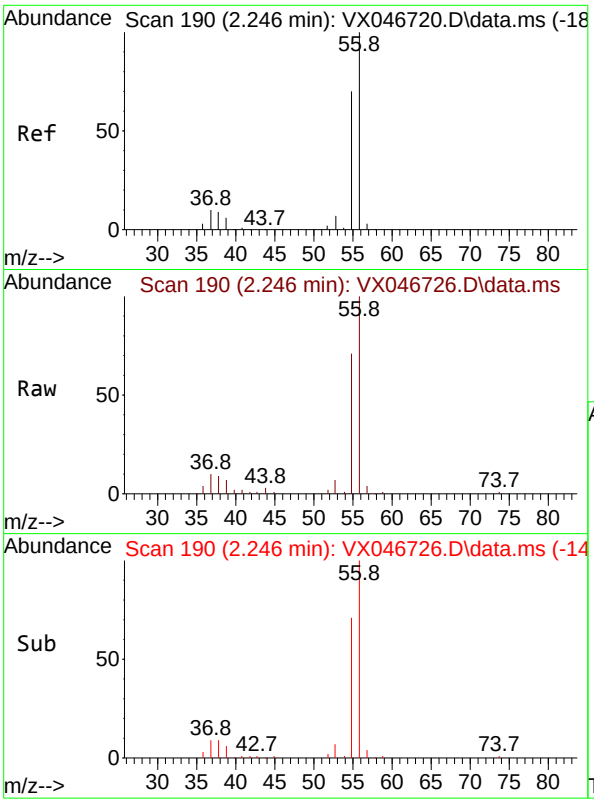




#12
1,1-Dichloroethene
Concen: 51.945 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 96 Resp: 74097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.8 | 126.6 | 189.8 |
| 98 | 63.7 | 50.7 | 76.1 |



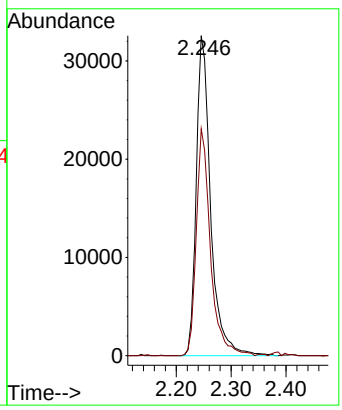


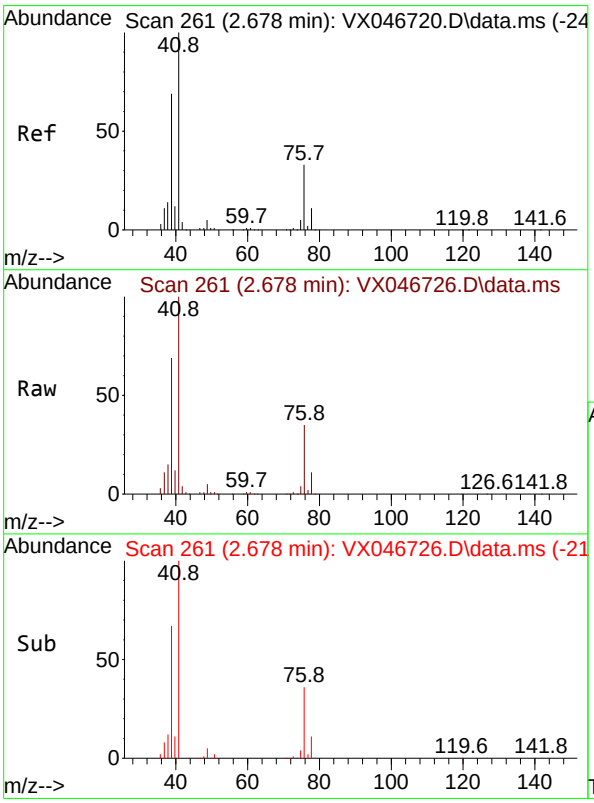

#13
Acrolein
Concen: 254.972 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 56 Resp: 59544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.0 | 55.2 | 82.8 |

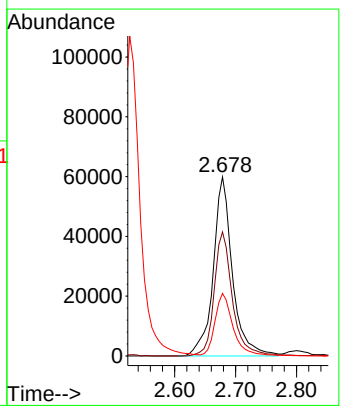


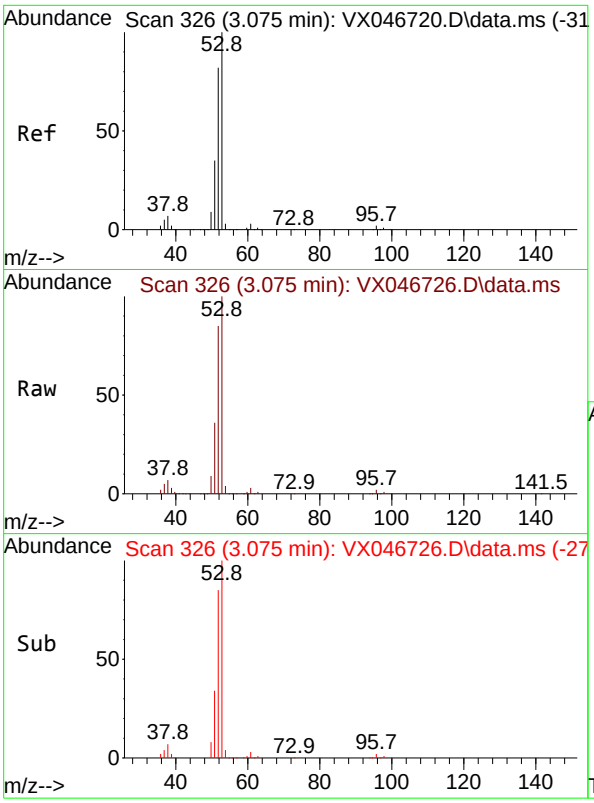




#14
Allyl chloride
Concen: 50.922 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 41 Resp: 131610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.1 | 53.6 | 80.4 |
| 76 | 33.1 | 26.8 | 40.2 |



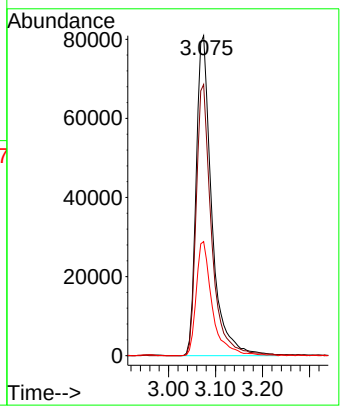


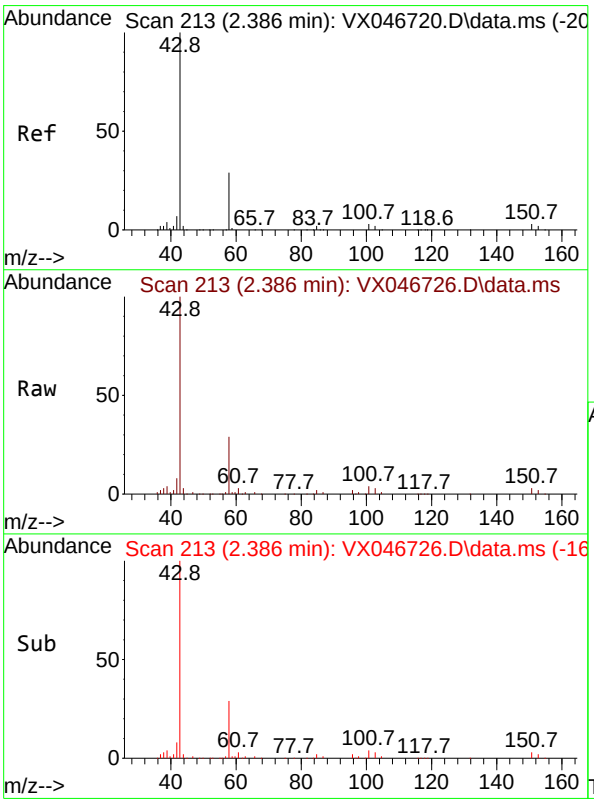

#15
Acrylonitrile
Concen: 260.219 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 53 Resp: 187601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 65.1 | 97.7 |
| 51 | 36.7 | 28.9 | 43.3 |

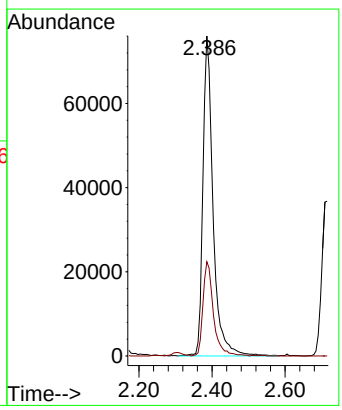


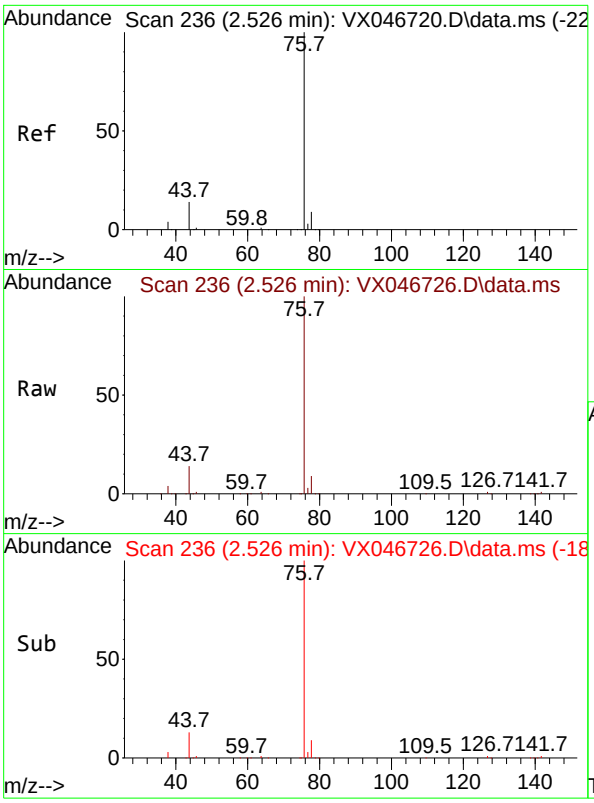




#16
Acetone
Concen: 246.347 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 146745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 24.5 | 36.7 |



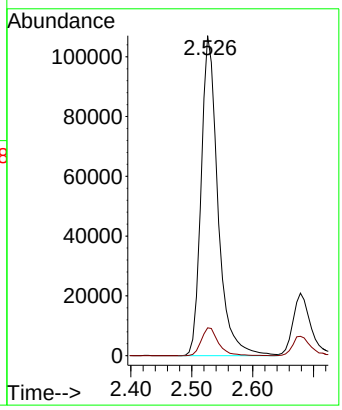


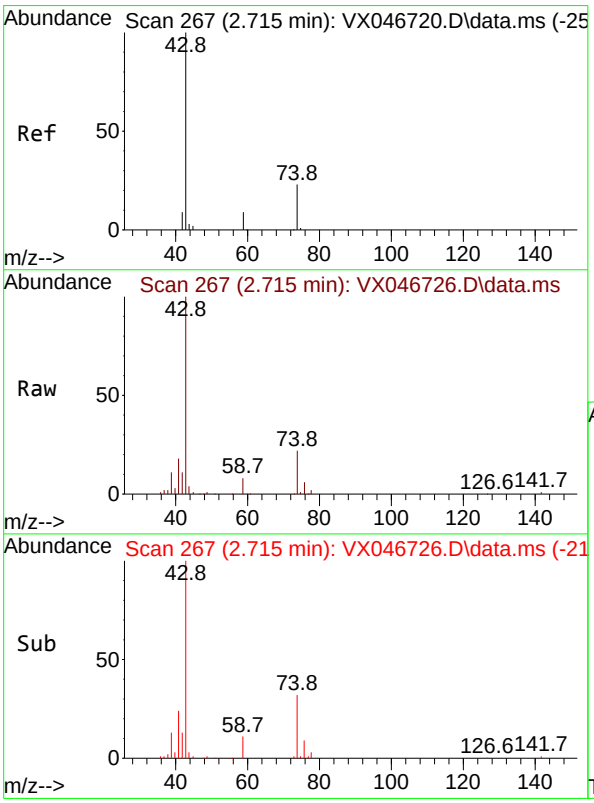

#17
Carbon Disulfide
Concen: 47.710 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 76 Resp: 205516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.5 | 11.3 |

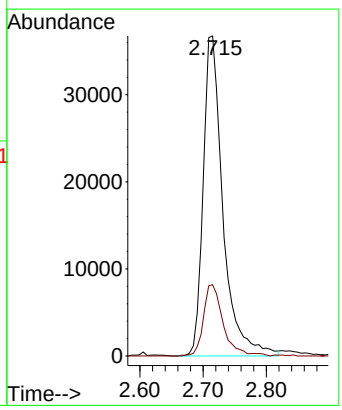


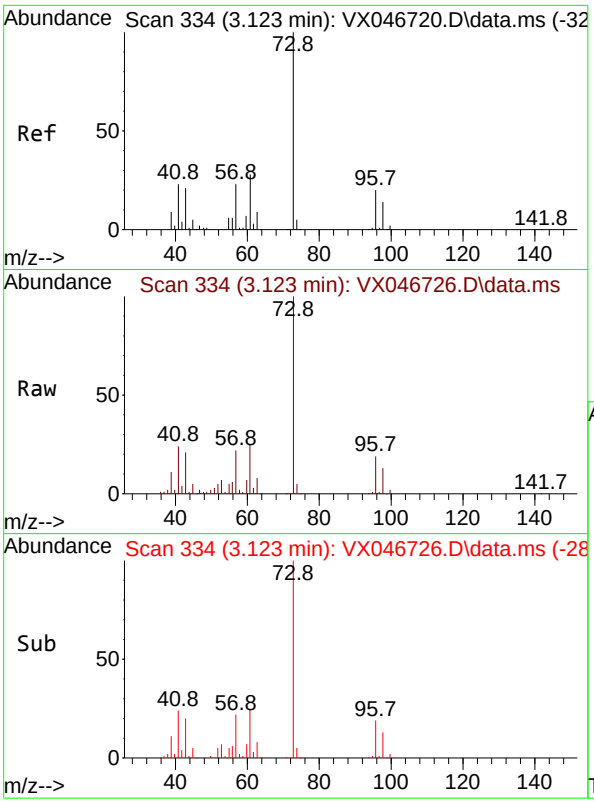




#18
Methyl Acetate
Concen: 52.909 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 80049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 18.4 | 27.6 |



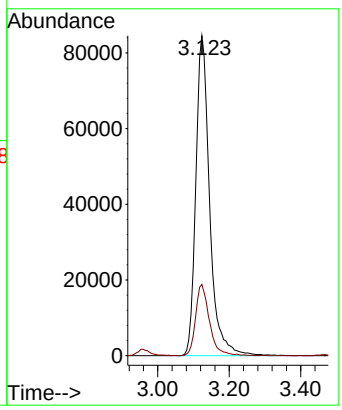


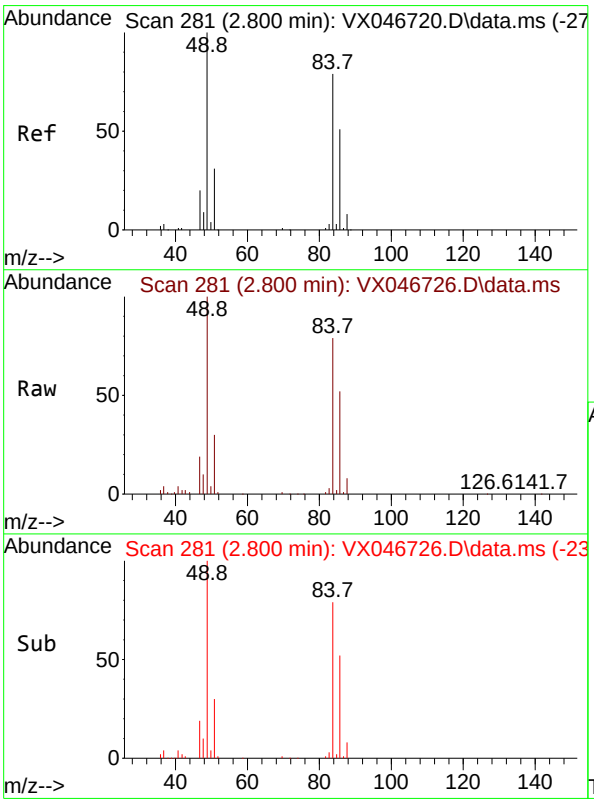

#19
Methyl tert-butyl Ether
Concen: 51.008 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 73 Resp: 226557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 18.2 | 27.2 |

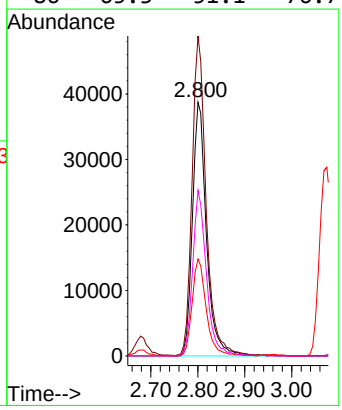


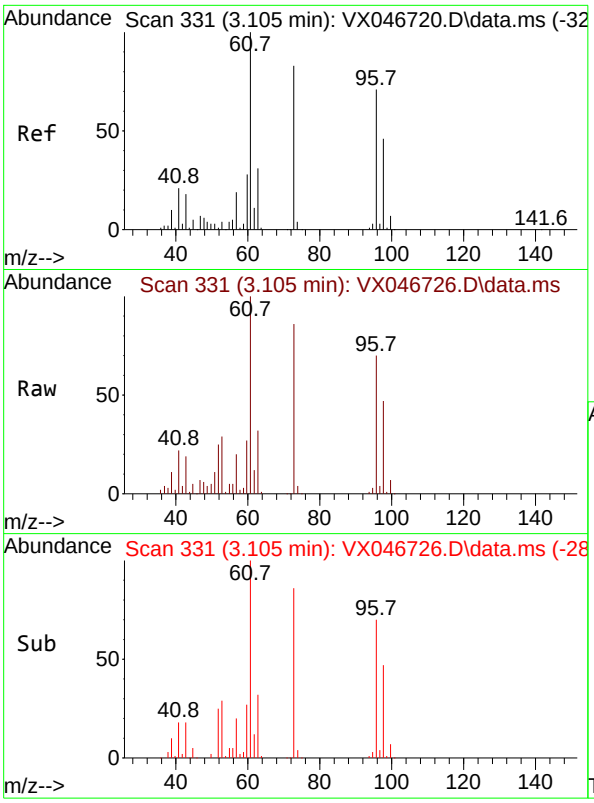




#20
Methylene Chloride
Concen: 48.696 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 84 Resp: 80668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.0 | 101.3 | 151.9 |
| 51 | 38.3 | 31.0 | 46.6 |
| 86 | 65.3 | 51.1 | 76.7 |



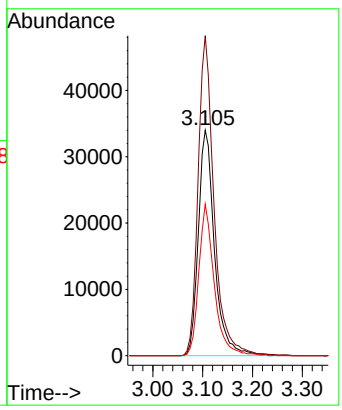


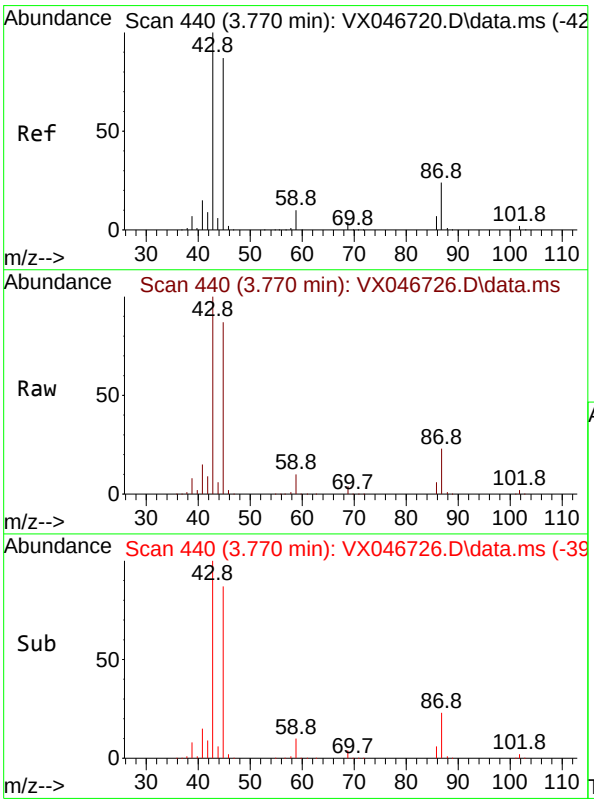

#21
trans-1,2-Dichloroethene
Concen: 50.375 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 96 Resp: 76889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.0 | 112.5 | 168.7 |
| 98 | 69.1 | 51.9 | 77.9 |

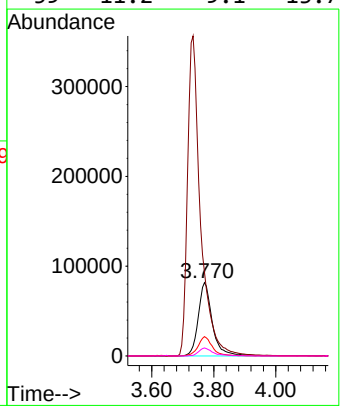


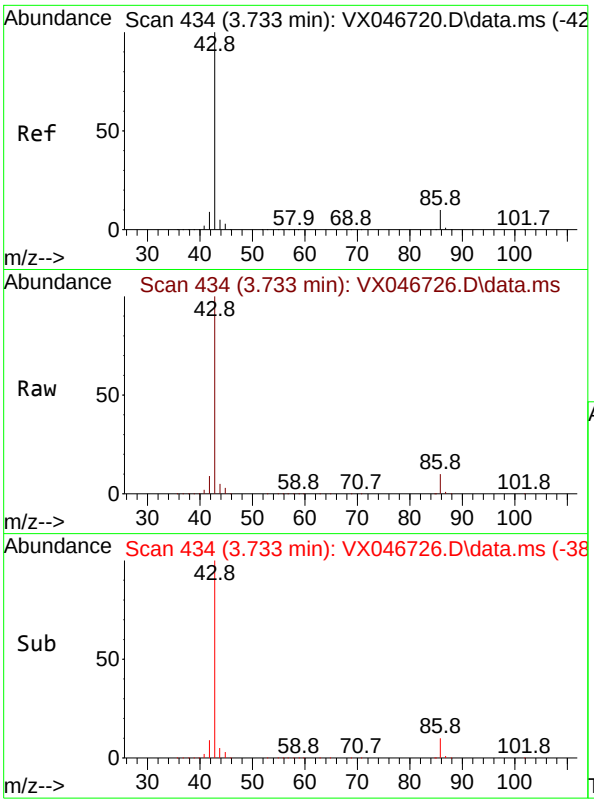




#22
Diisopropyl ether
Concen: 51.890 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 45 Resp: 257775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 114.3 | 91.9 | 137.9 |
| 87 | 26.4 | 22.0 | 33.0 |
| 59 | 11.2 | 9.1 | 13.7 |



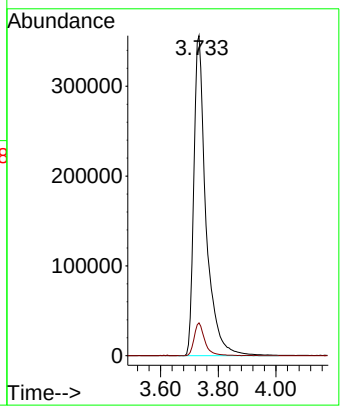


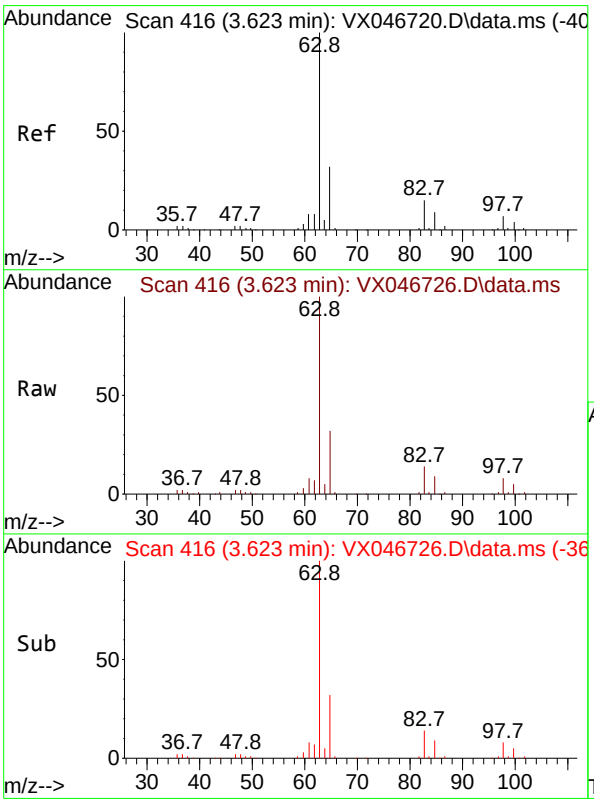

#23
Vinyl Acetate
Concen: 264.451 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 1044679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

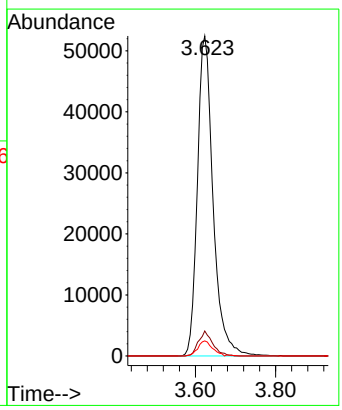


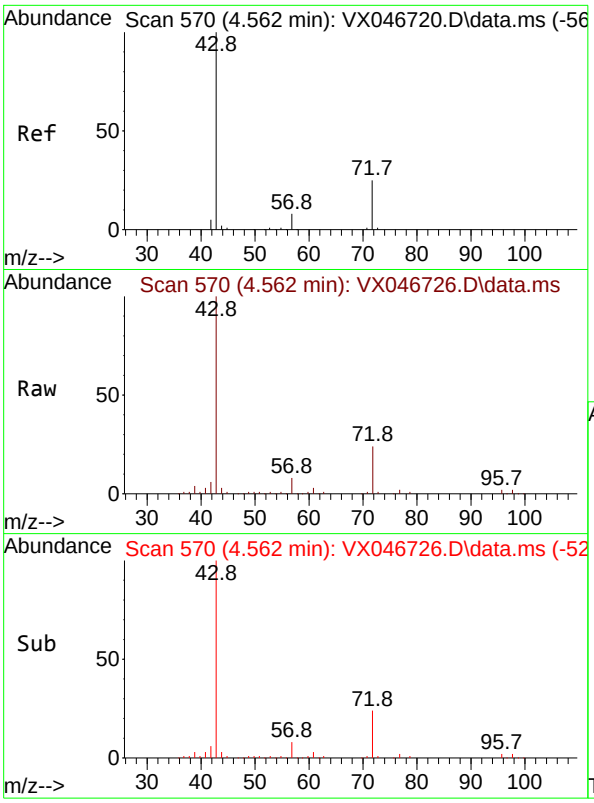




#24
1,1-Dichloroethane
Concen: 50.502 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 63 Resp: 142442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.7 | 2.2 | 6.6 |



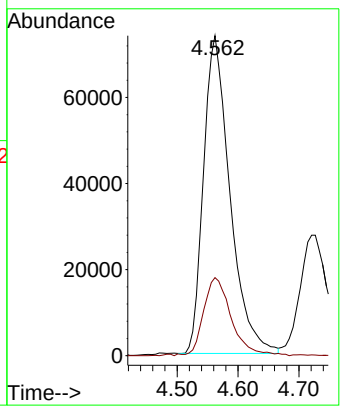


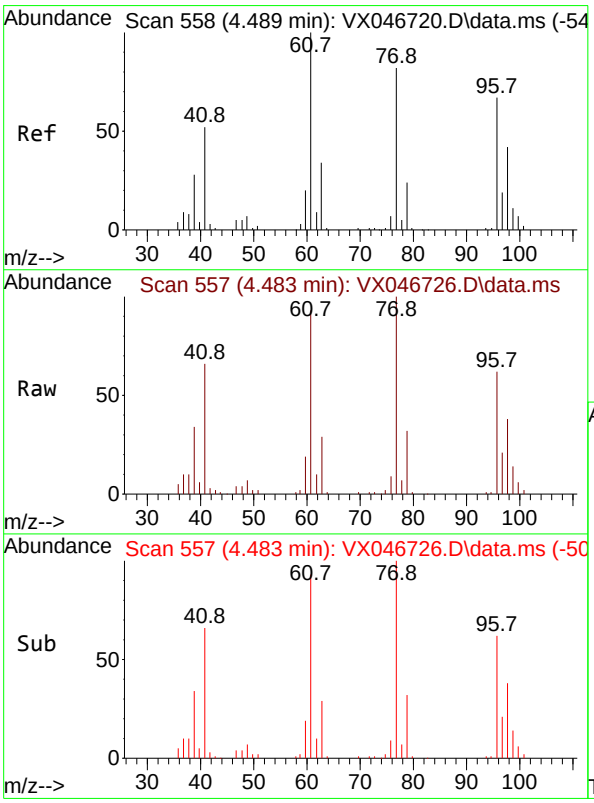

#25
2-Butanone
Concen: 264.542 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 222870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.1 | 20.2 | 30.4 |

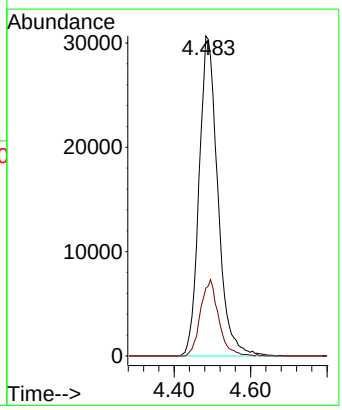


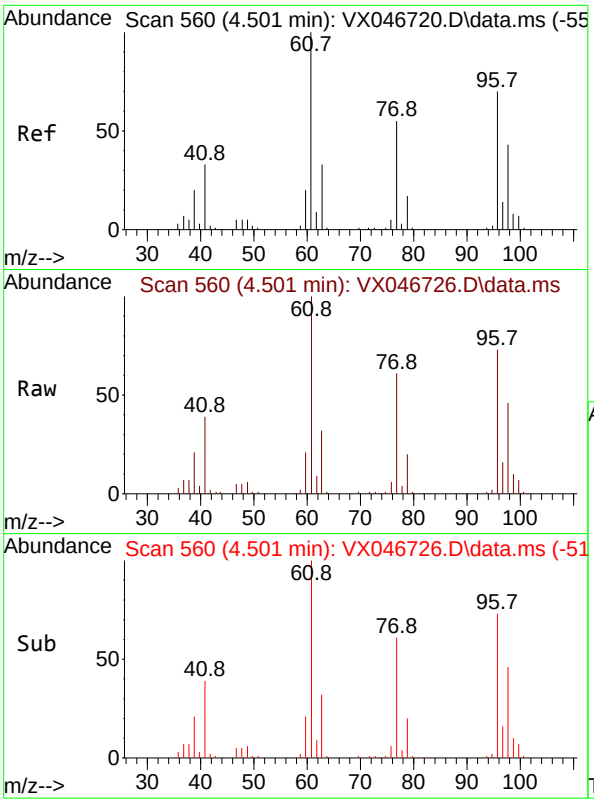




#26
2,2-Dichloropropane
Concen: 50.629 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 77 Resp: 104151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.0 | 11.8 | 35.3 |



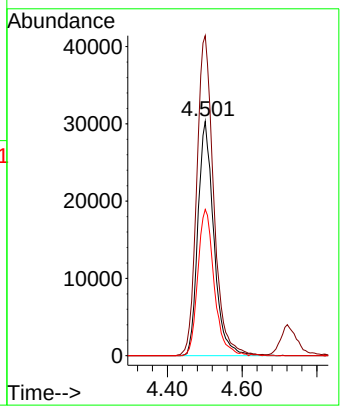


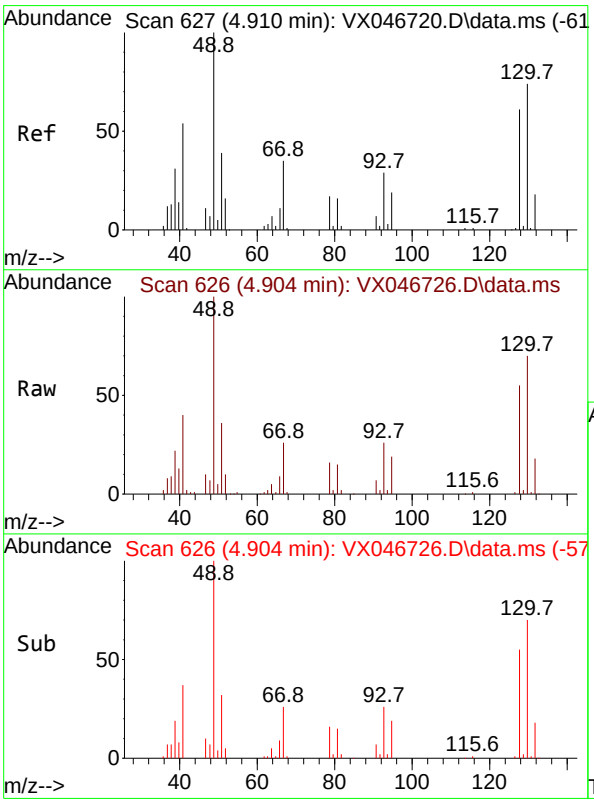

#27
cis-1,2-Dichloroethene
Concen: 50.003 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 96 Resp: 89665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 0.0 | 291.0 |
| 98 | 64.2 | 0.0 | 126.8 |

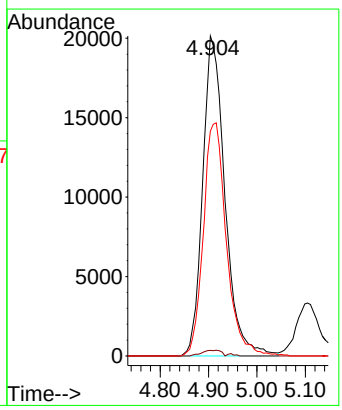


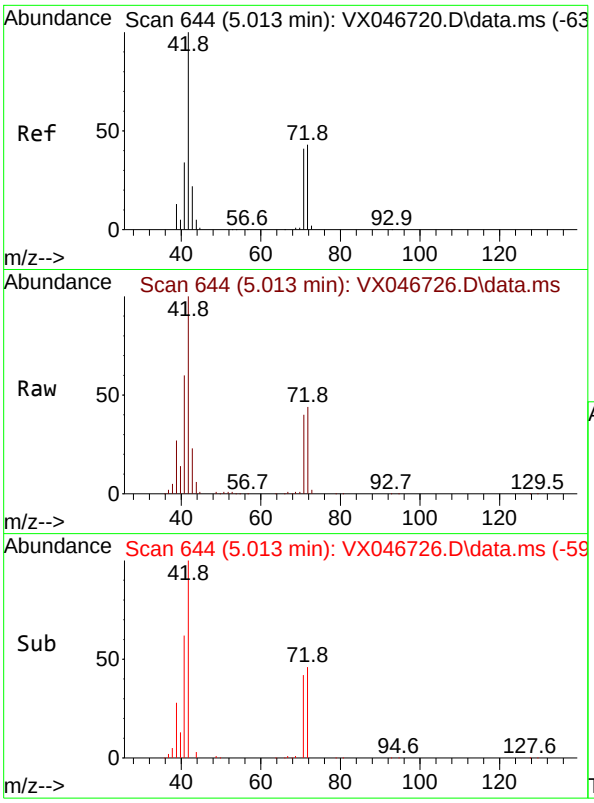




#28
Bromochloromethane
Concen: 50.308 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 49 Resp: 64330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.5 | 0.0 | 3.8 |
| 130 | 75.6 | 61.4 | 92.0 |



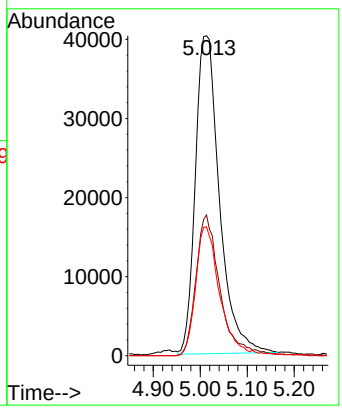


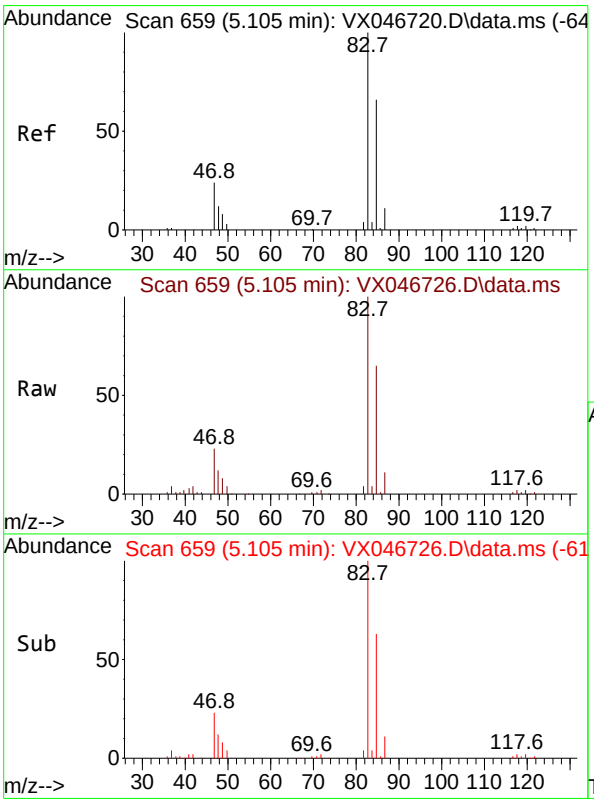

#29
Tetrahydrofuran
Concen: 263.836 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 42 Resp: 143570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.3 | 34.9 | 52.3 |
| 71 | 40.8 | 32.2 | 48.2 |

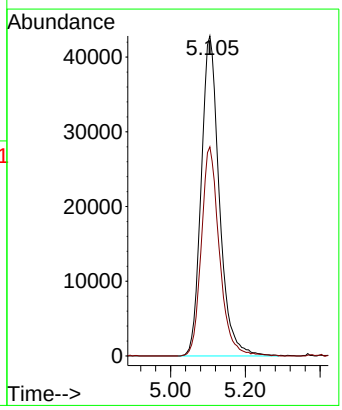


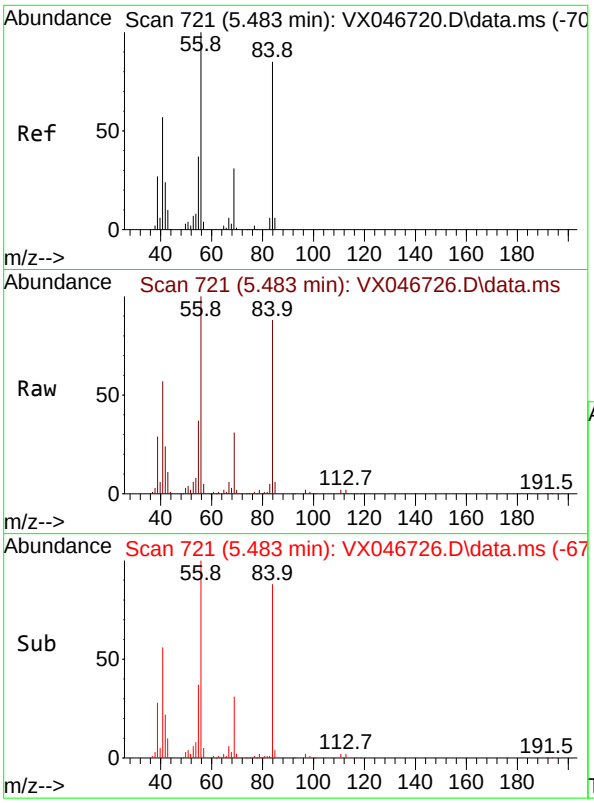




#30
Chloroform
Concen: 51.089 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 83 Resp: 144108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 53.7 | 80.5 |



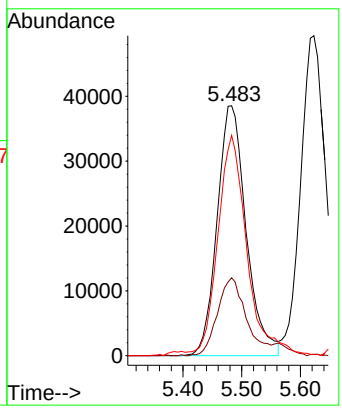


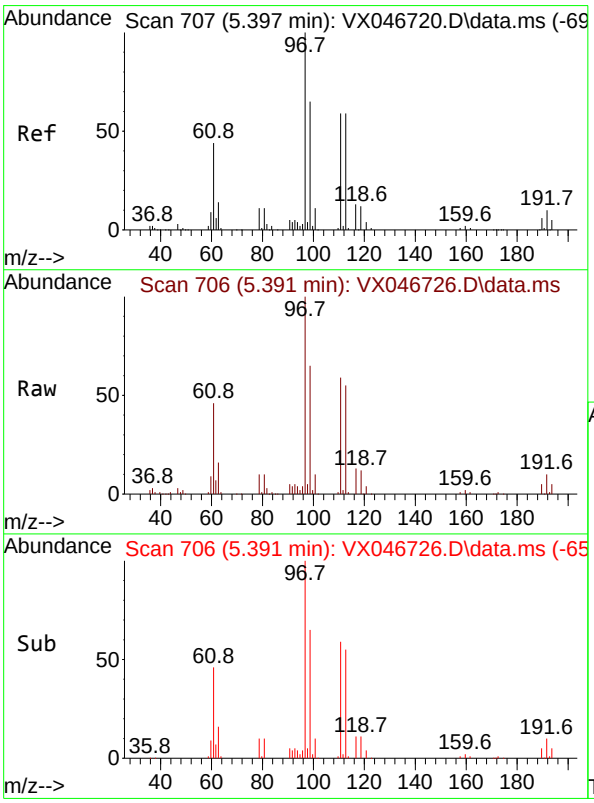

#31
Cyclohexane
Concen: 49.462 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 56 Resp: 132301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 24.8 | 37.2 |
| 84 | 86.8 | 68.2 | 102.2 |

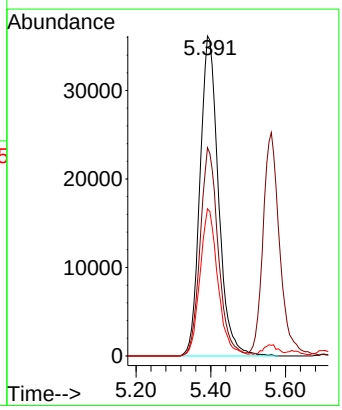


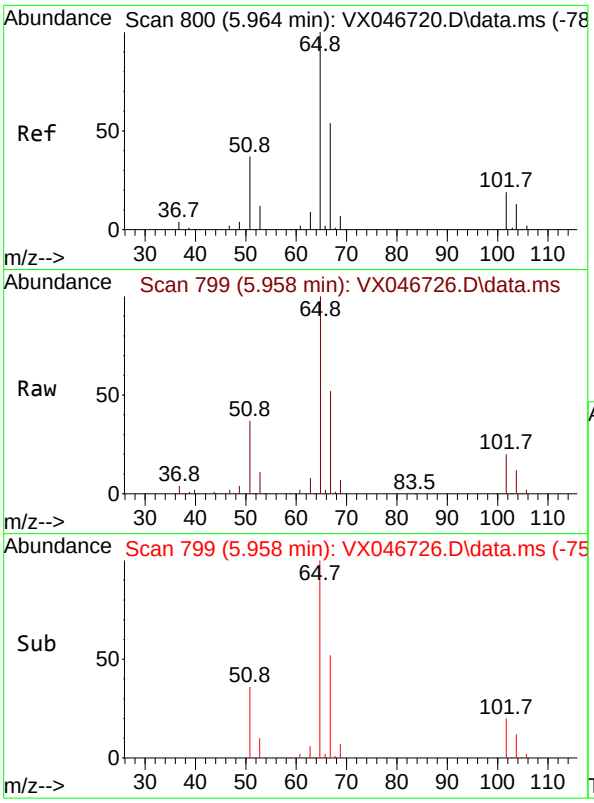




#32
1,1,1-Trichloroethane
Concen: 50.042 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 97 Resp: 123796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 51.3 | 76.9 |
| 61 | 45.1 | 36.4 | 54.6 |



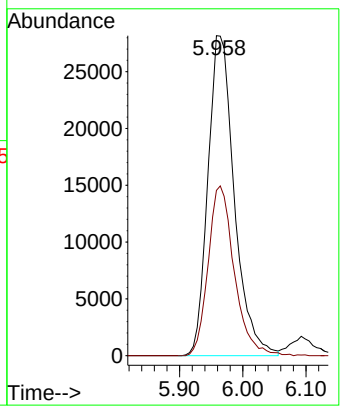


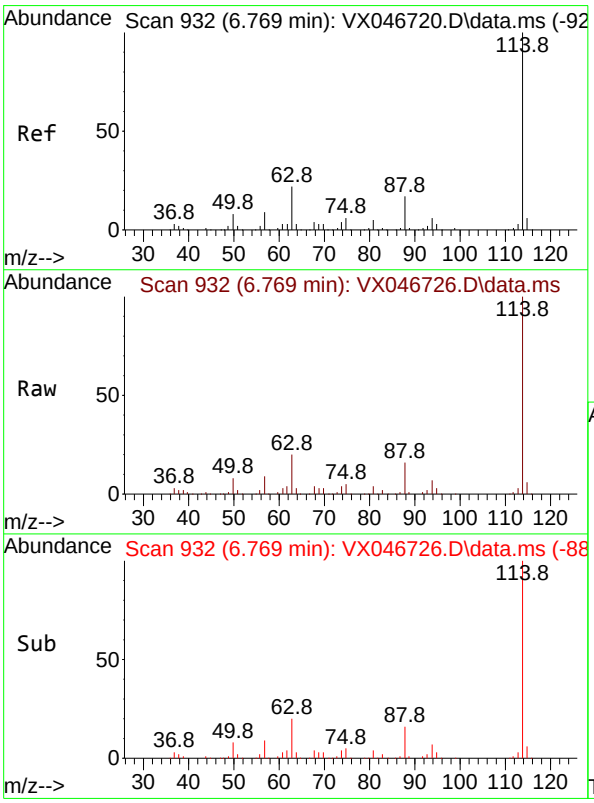

#33
1,2-Dichloroethane-d4
Concen: 45.697 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 65 Resp: 81629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 105.4 |

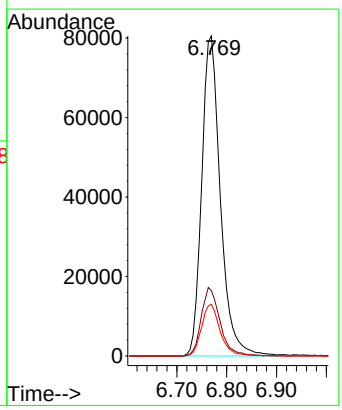


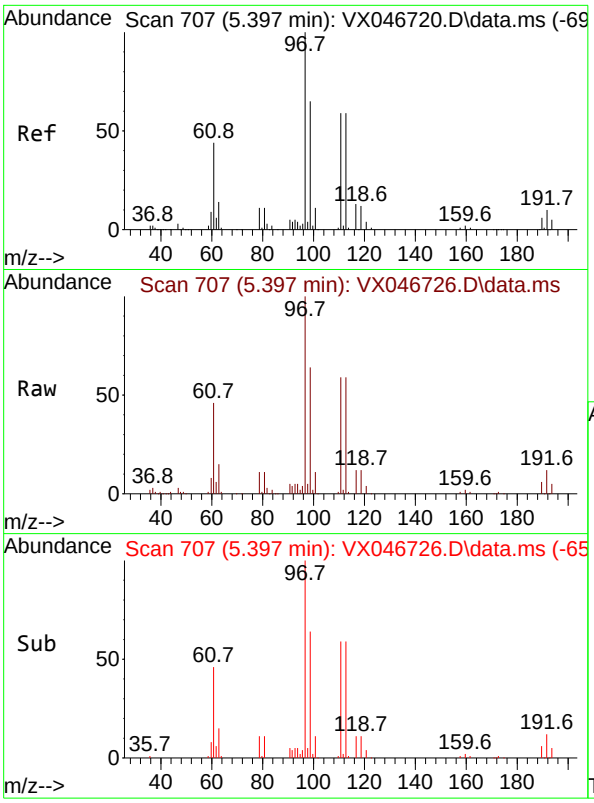




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:114 Resp: 209541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |



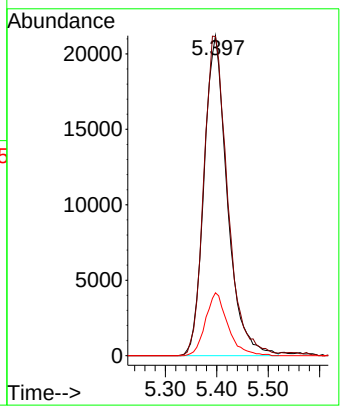


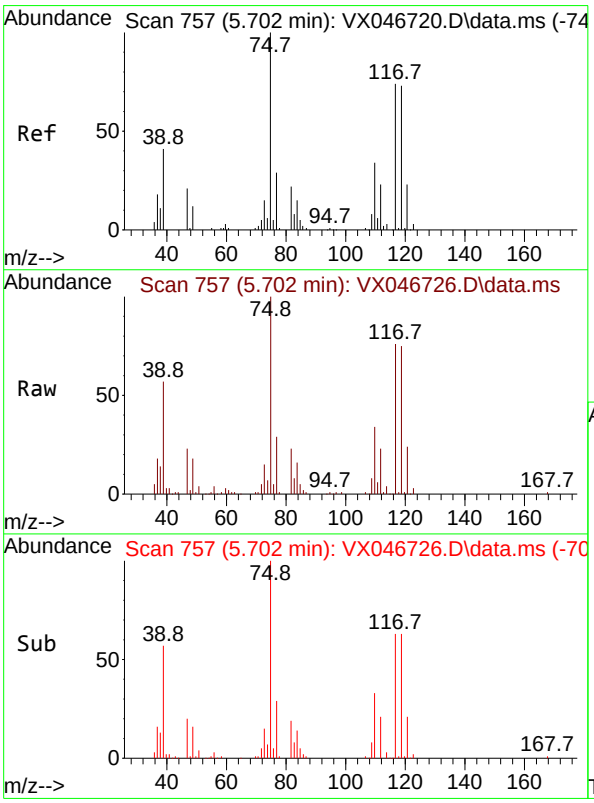

#35
Dibromofluoromethane
Concen: 48.072 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:113 Resp: 66647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 18.9 | 15.3 | 22.9 |

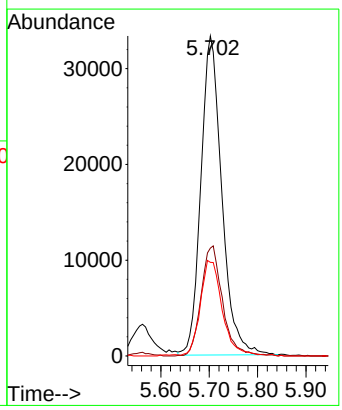


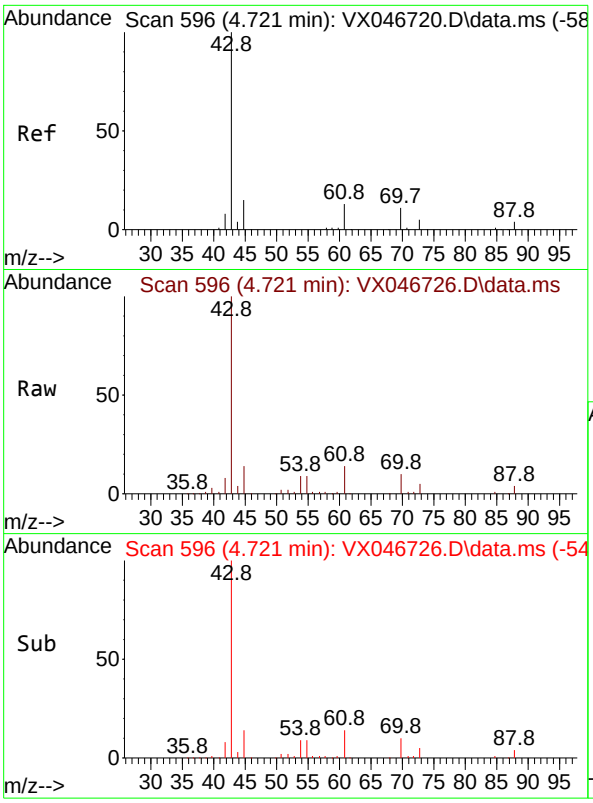




#36
1,1-Dichloropropene
Concen: 50.088 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 100241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.3 | 17.2 | 51.5 |
| 77 | 30.7 | 24.2 | 36.4 |



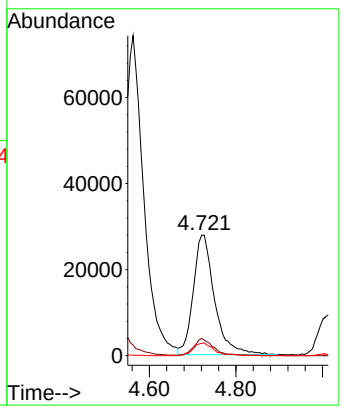


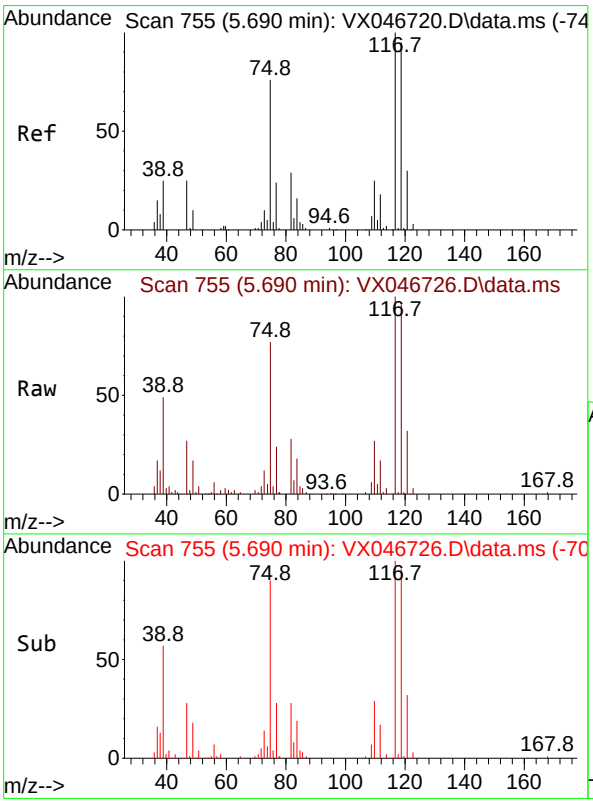

#37
Ethyl Acetate
Concen: 51.401 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 94953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 9.7 | 14.5 |
| 70 | 10.1 | 8.1 | 12.1 |

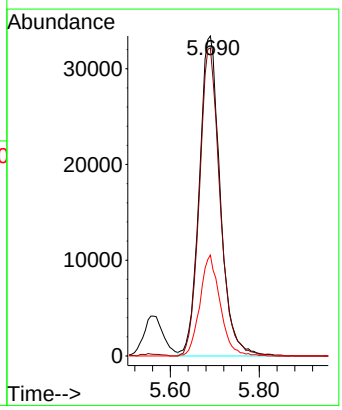


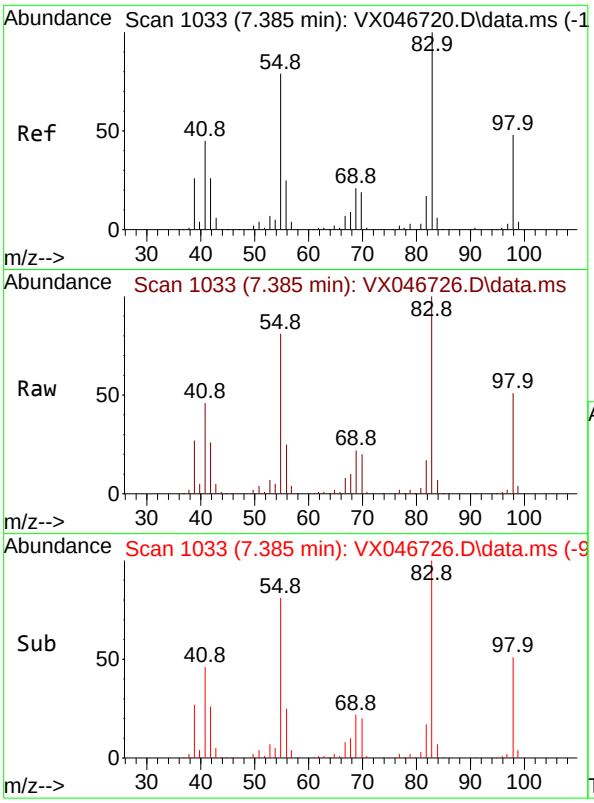




#38
Carbon Tetrachloride
Concen: 50.403 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:117 Resp: 109471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 75.2 | 112.8 |
| 121 | 31.6 | 24.1 | 36.1 |



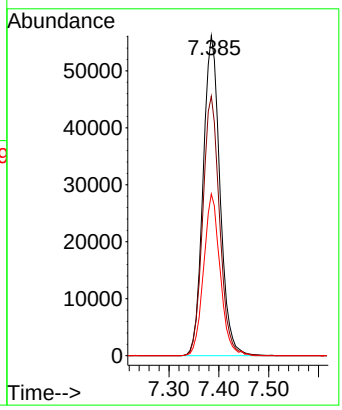


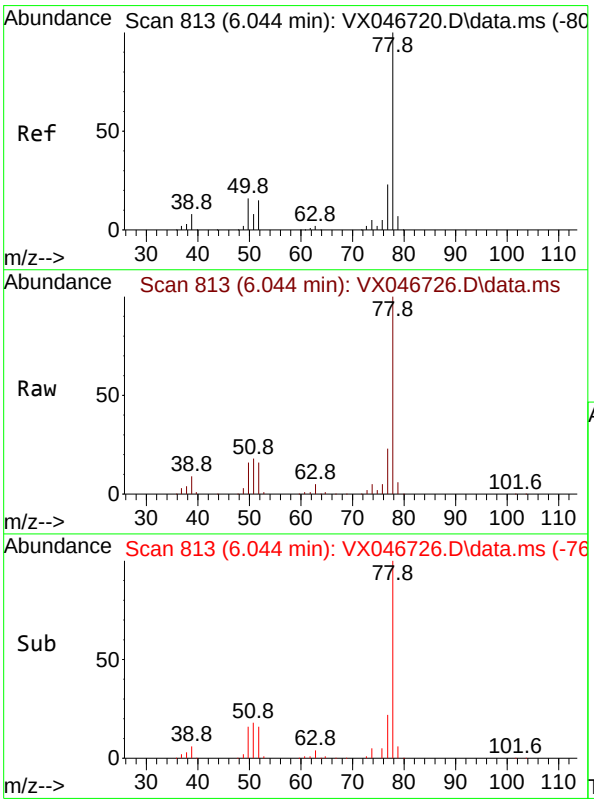

#39
Methylcyclohexane
Concen: 50.155 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 83 Resp: 132086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.1 | 63.0 | 94.4 |
| 98 | 50.5 | 38.8 | 58.2 |

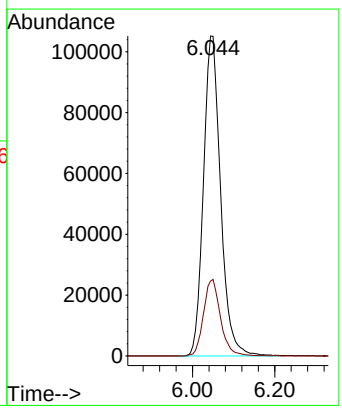


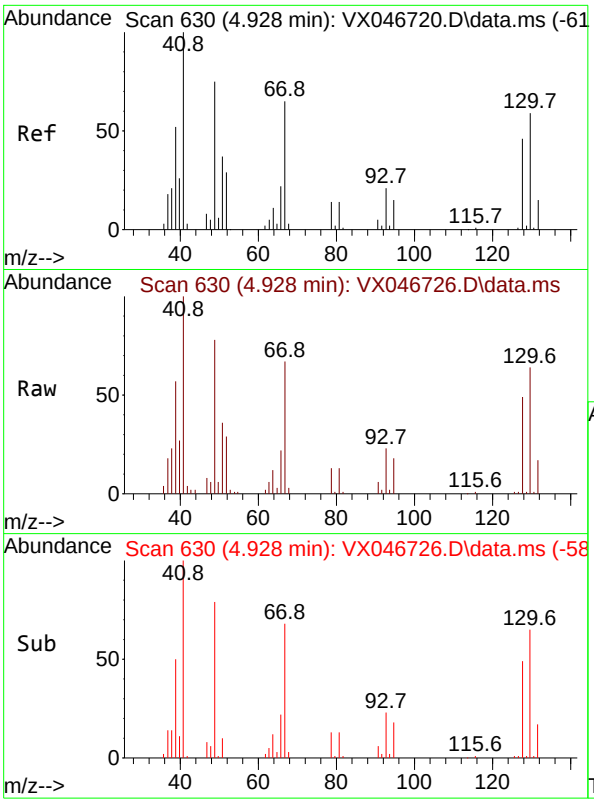




#40
Benzene
Concen: 51.385 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 78 Resp: 304346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 18.8 | 28.2 |



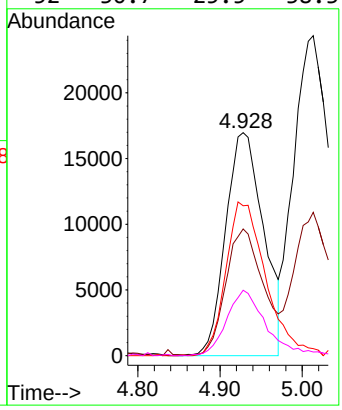


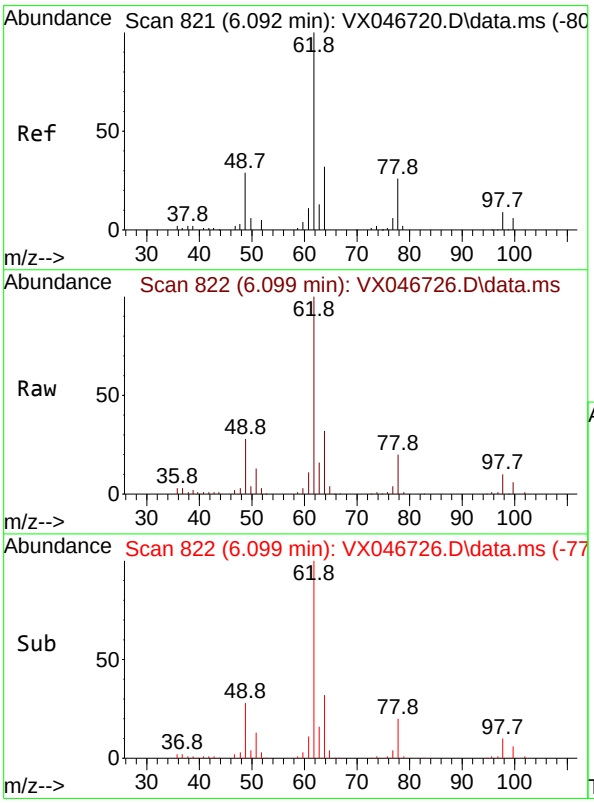

#41
Methacrylonitrile
Concen: 55.341 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 41 Resp: 54501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.5 | 45.9 | 68.9 |
| 67 | 72.5 | 61.2 | 91.8 |
| 52 | 30.7 | 25.5 | 38.3 |

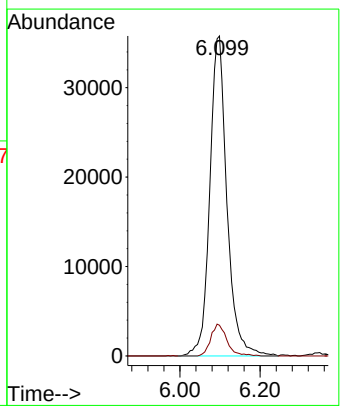


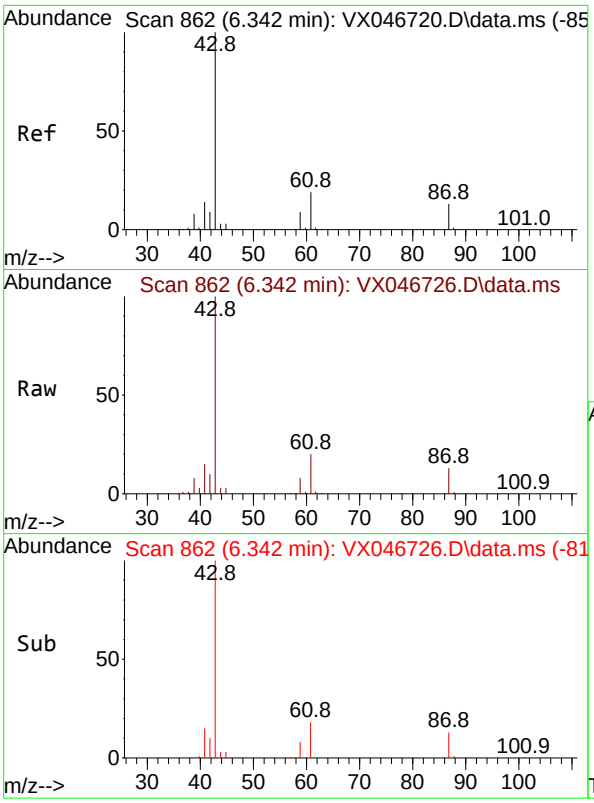




#42
1,2-Dichloroethane
Concen: 50.970 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 62 Resp: 106085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.8 |



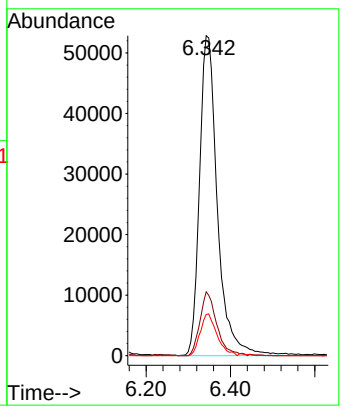


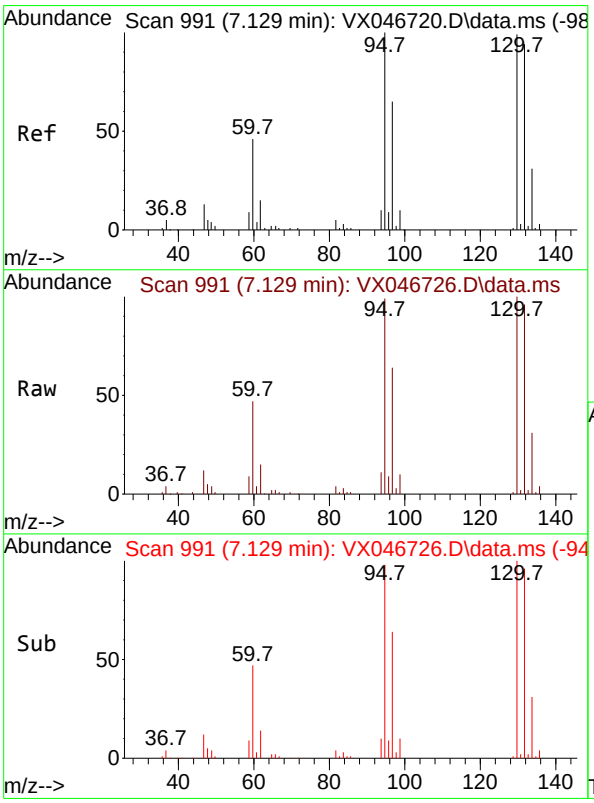

#43
Isopropyl Acetate
Concen: 53.888 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 155773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.8 | 15.3 | 22.9 |
| 87 | 12.2 | 10.0 | 15.0 |

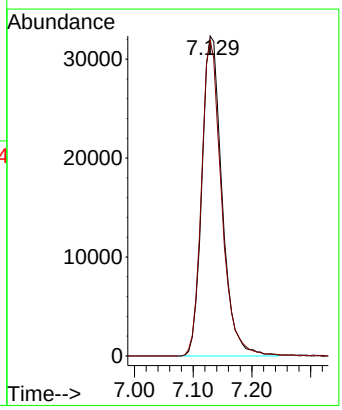


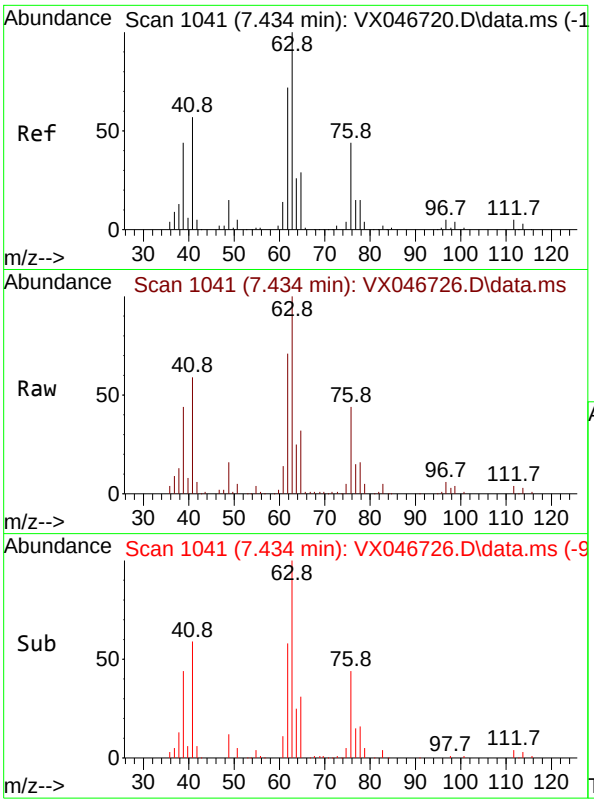




#44
Trichloroethene
Concen: 51.000 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:130 Resp: 76981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 202.6 |



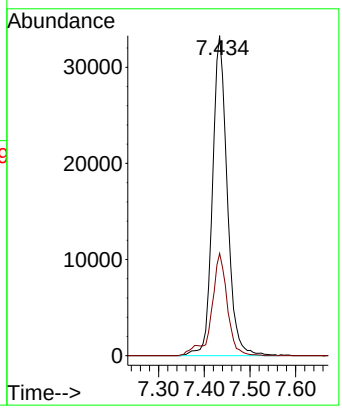


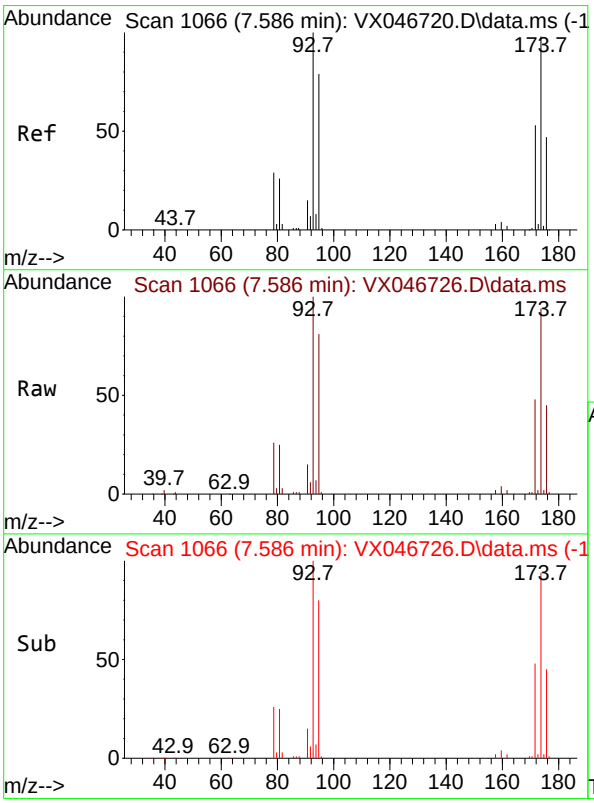

#45
1,2-Dichloropropane
Concen: 50.940 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 63 Resp: 74773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 22.9 | 34.3 |

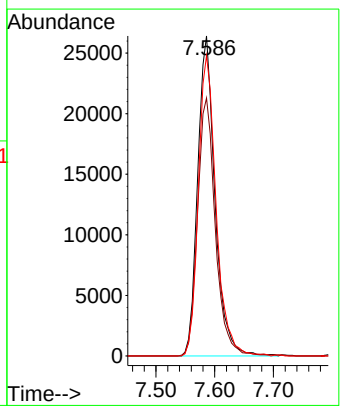


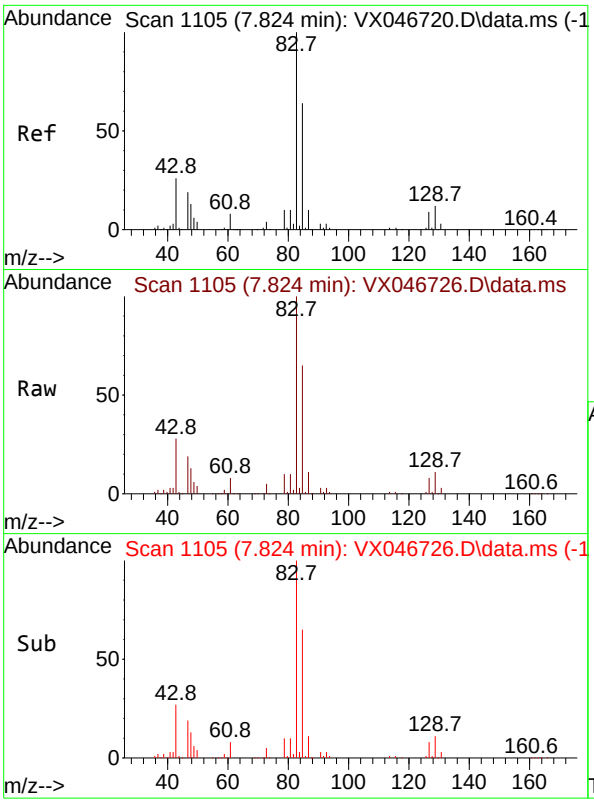




#46
Dibromomethane
Concen: 51.329 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 93 Resp: 54149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.2 | 99.4 |
| 174 | 96.3 | 77.0 | 115.6 |



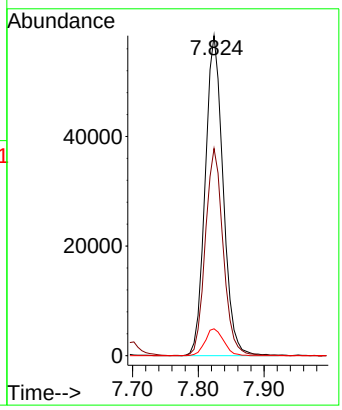


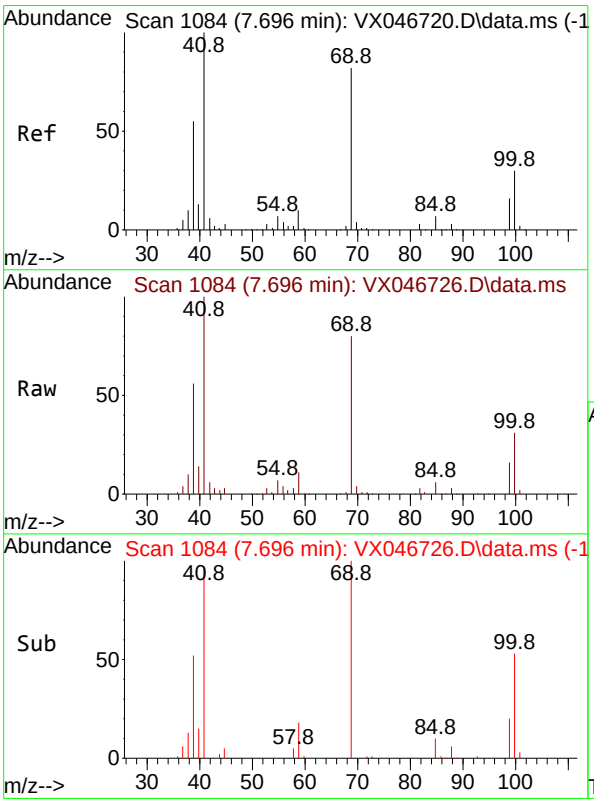

#47
Bromodichloromethane
Concen: 51.479 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 83 Resp: 110823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.4 | 77.2 |
| 127 | 8.4 | 6.9 | 10.3 |

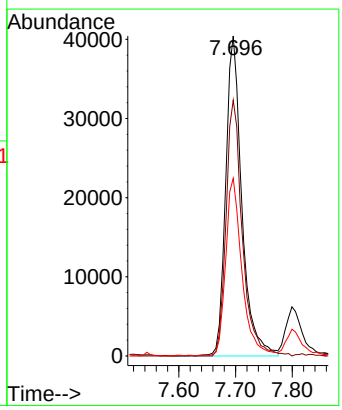


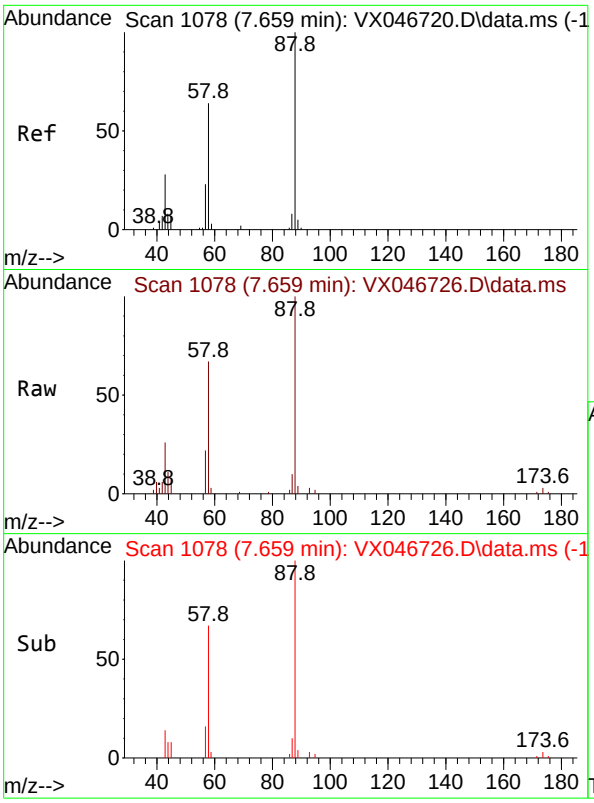




#48
Methyl methacrylate
Concen: 55.091 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 41 Resp: 79868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.6 | 63.4 | 95.2 |
| 39 | 55.9 | 45.4 | 68.0 |



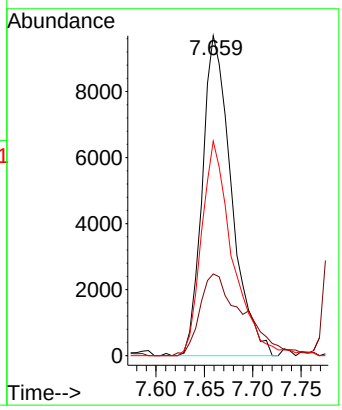


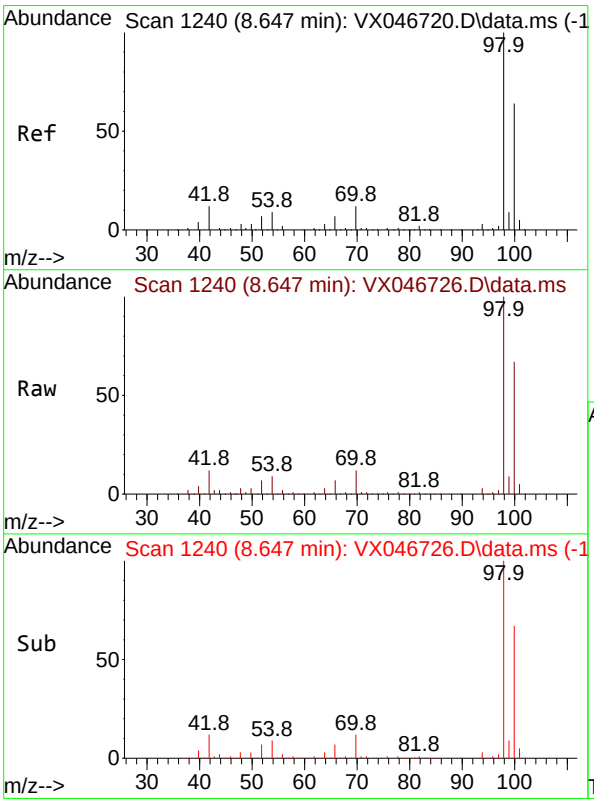

#49
1,4-Dioxane
Concen: 964.253 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 88 Resp: 20314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 31.2 | 46.8 |
| 58 | 72.0 | 54.7 | 82.1 |

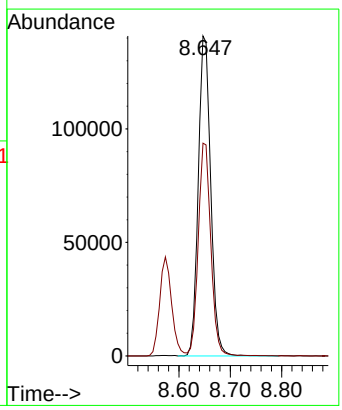


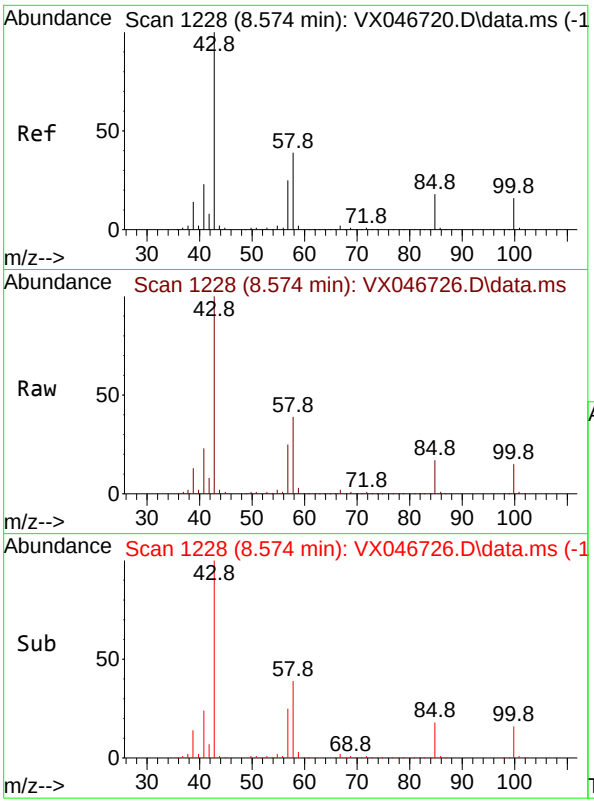




#50
Toluene-d8
Concen: 47.537 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 98 Resp: 236781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |



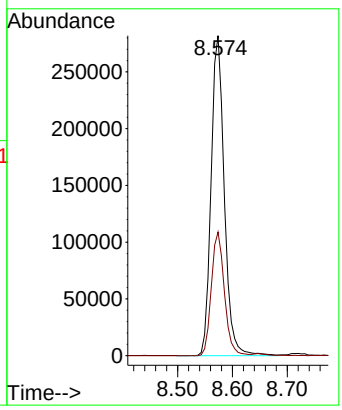


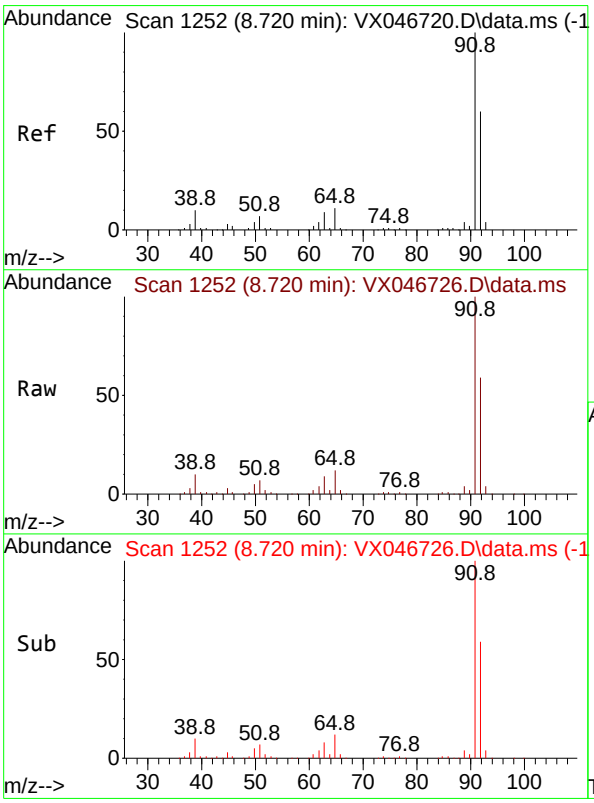

#51
4-Methyl-2-Pentanone
Concen: 272.916 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 470527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |

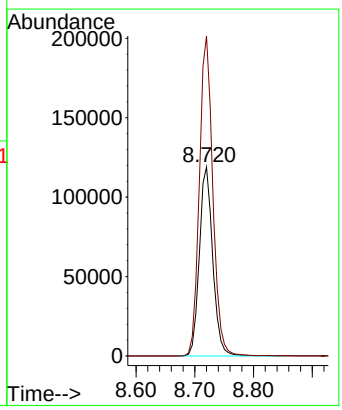


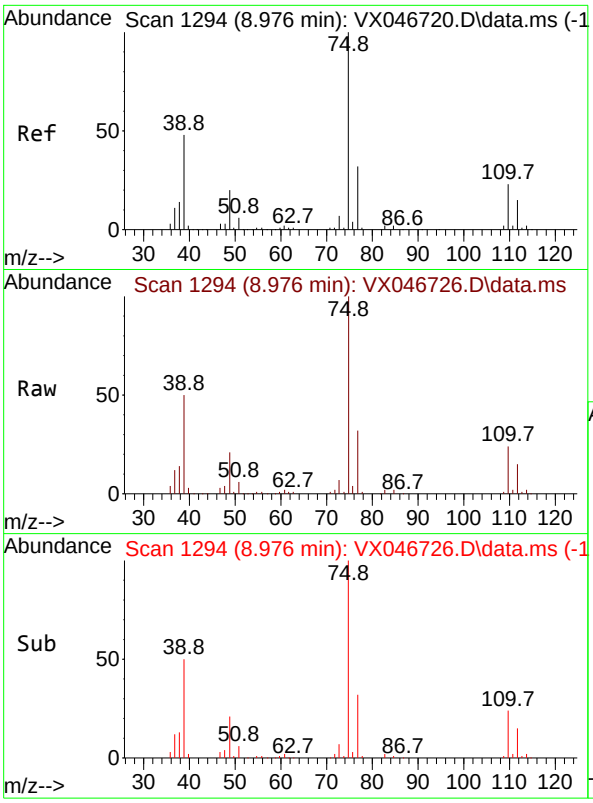




#52
Toluene
Concen: 51.237 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 92 Resp: 188131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 134.8 | 202.2 |



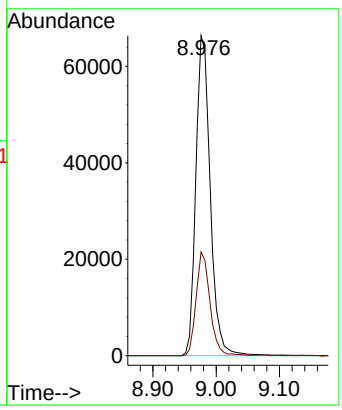


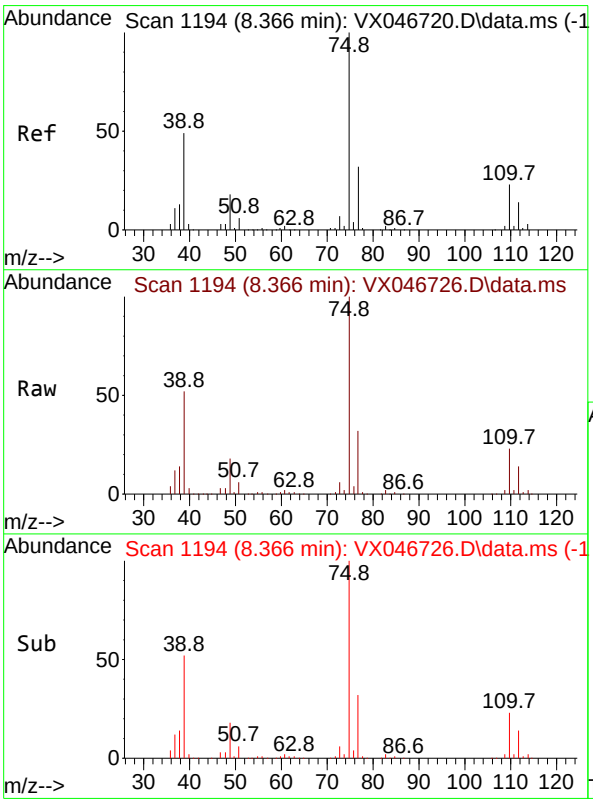

#53
t-1,3-Dichloropropene
Concen: 52.785 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 75 Resp: 105435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.6 | 38.4 |

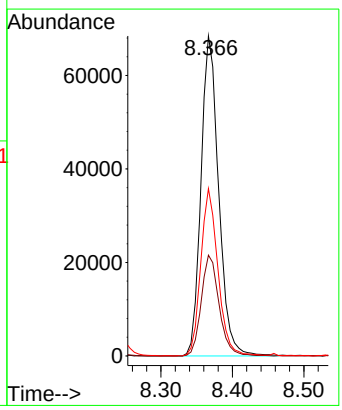


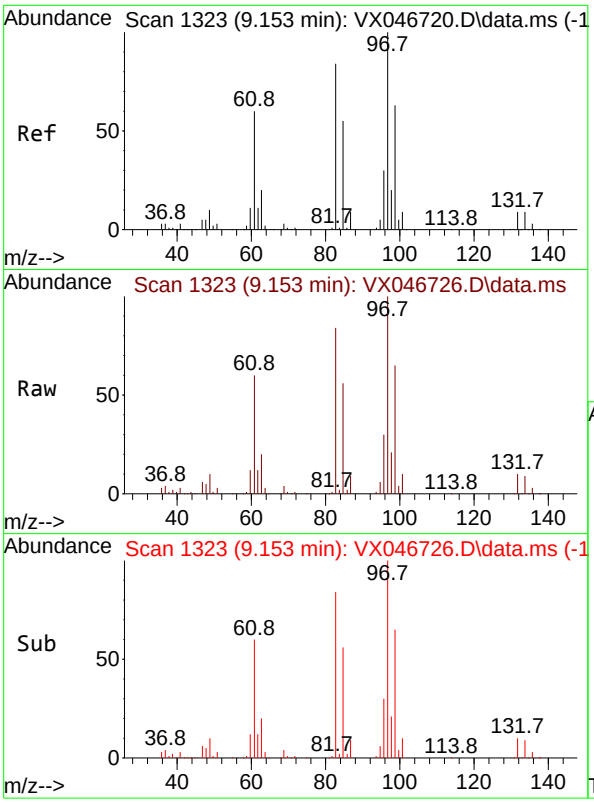




#54
cis-1,3-Dichloropropene
Concen: 51.813 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 117487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |
| 39 | 52.2 | 39.2 | 58.8 |



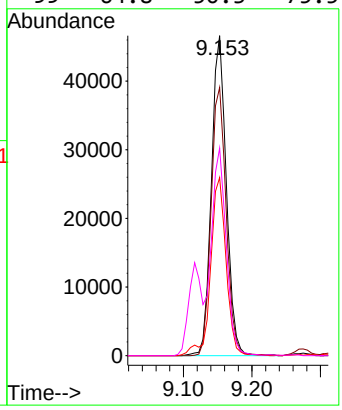


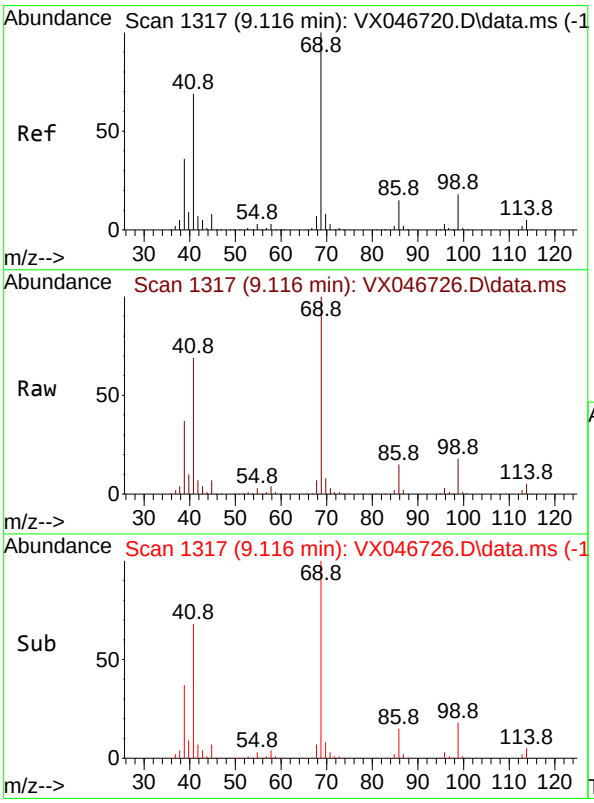

#55
1,1,2-Trichloroethane
Concen: 51.698 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 97 Resp: 70739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.8 | 67.2 | 100.8 |
| 85 | 55.5 | 44.1 | 66.1 |
| 99 | 64.8 | 50.3 | 75.5 |

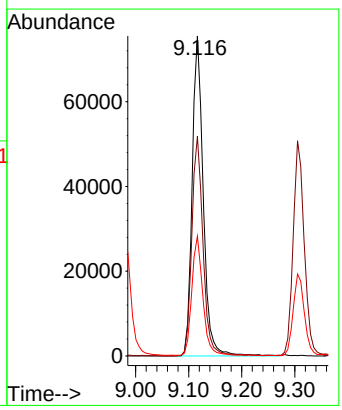


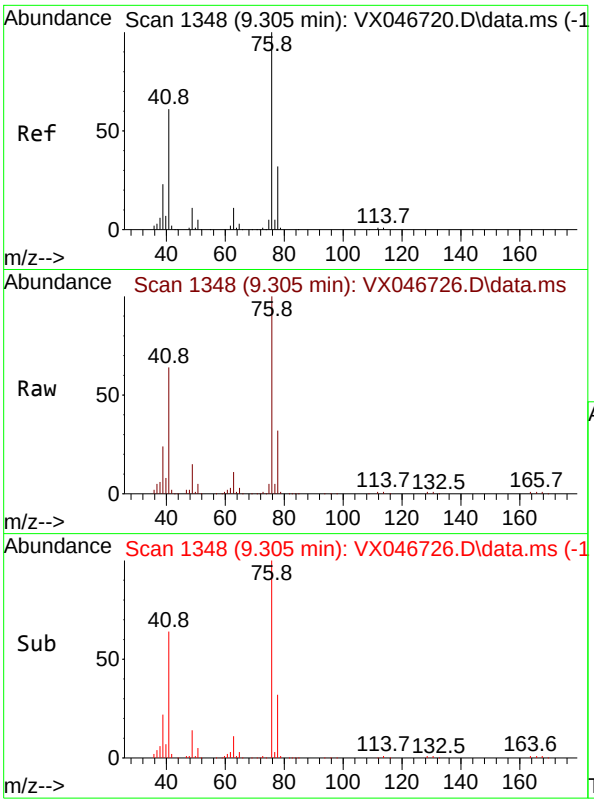




#56
Ethyl methacrylate
Concen: 54.266 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 69 Resp: 109612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.7 | 29.7 | 44.5 |



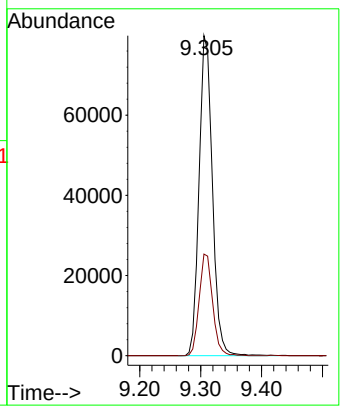


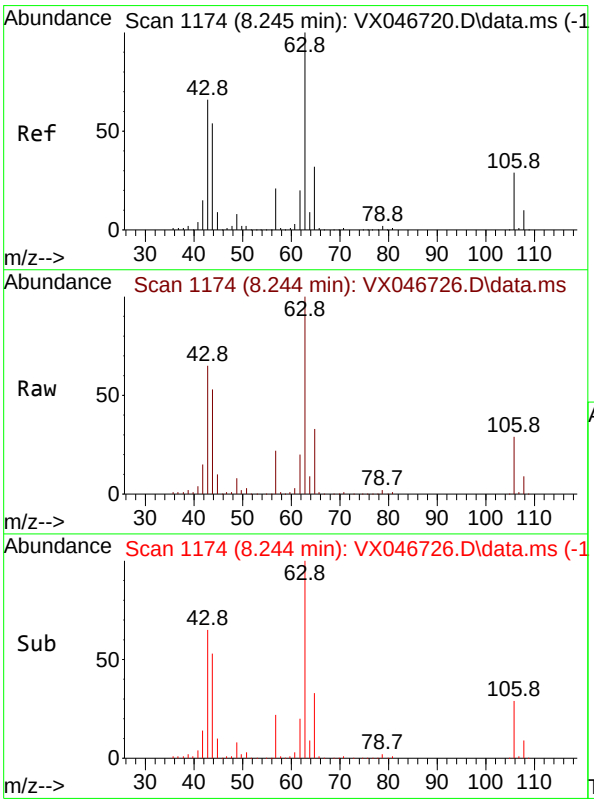

#57
1,3-Dichloropropane
Concen: 51.625 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 76 Resp: 121649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |

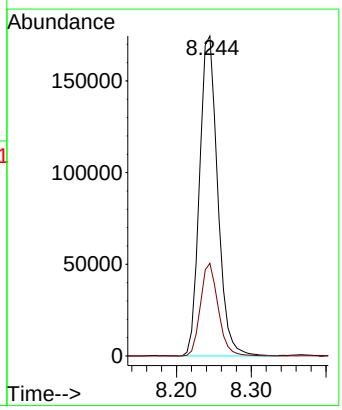


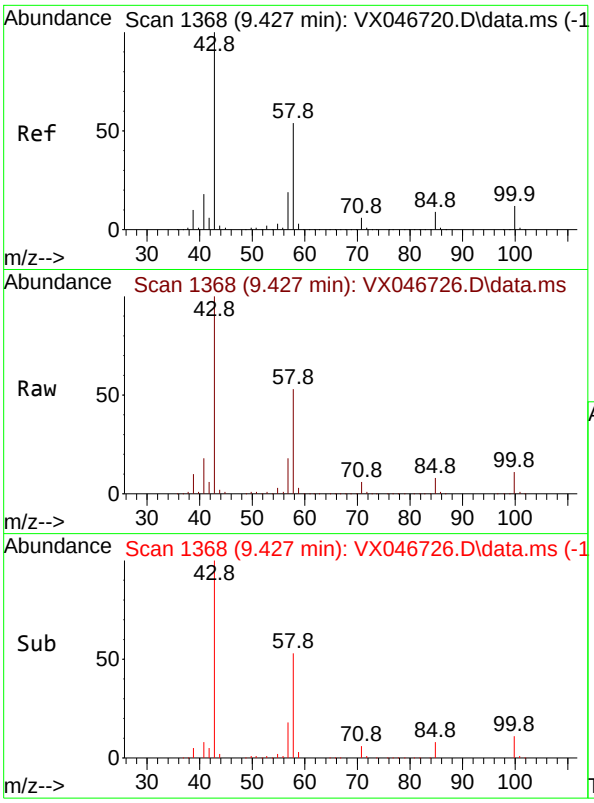




#58
2-Chloroethyl Vinyl ether
Concen: 279.922 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 63 Resp: 293709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 22.6 | 34.0 |



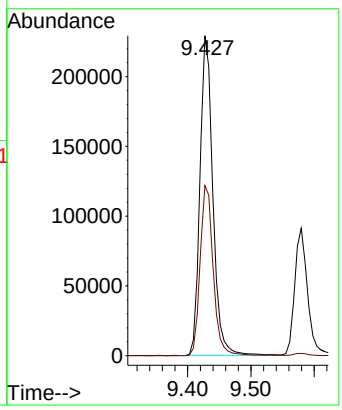


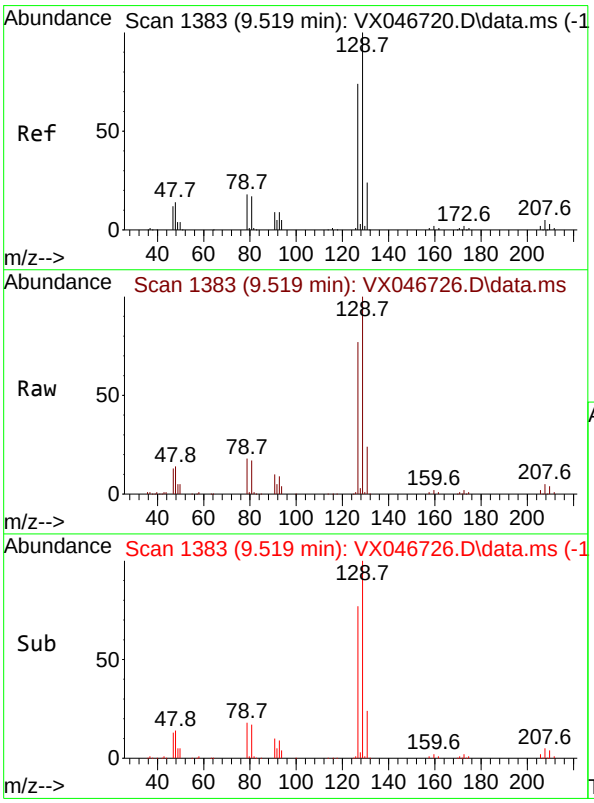

#59
2-Hexanone
Concen: 273.982 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 43 Resp: 326564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.1 | 26.8 | 80.4 |

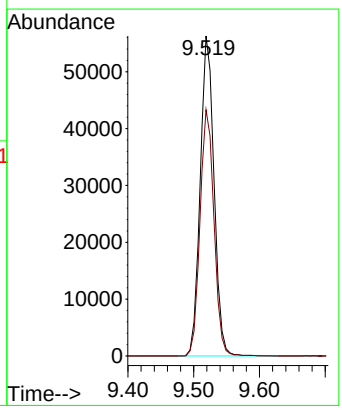


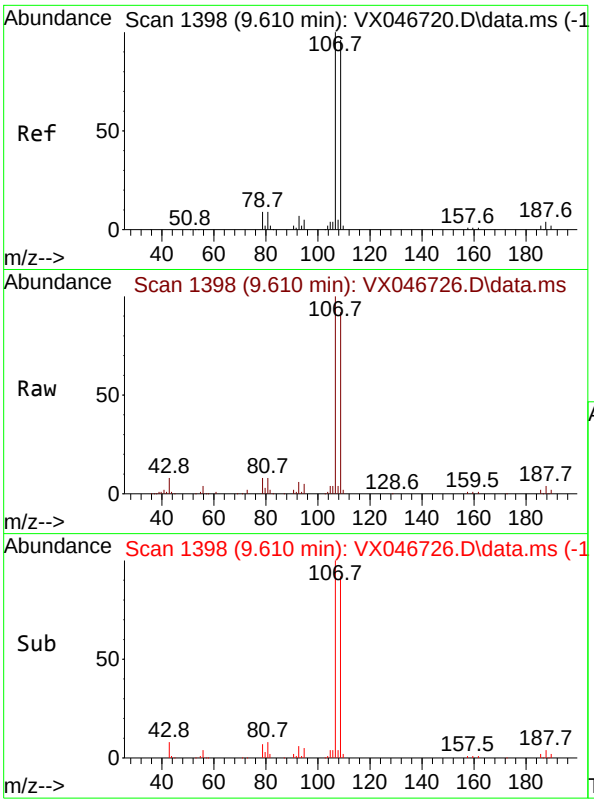




#60
Dibromochloromethane
Concen: 50.997 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:129 Resp: 82234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |



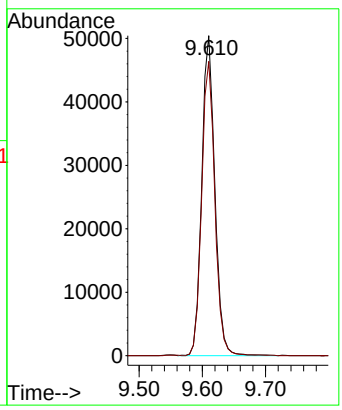


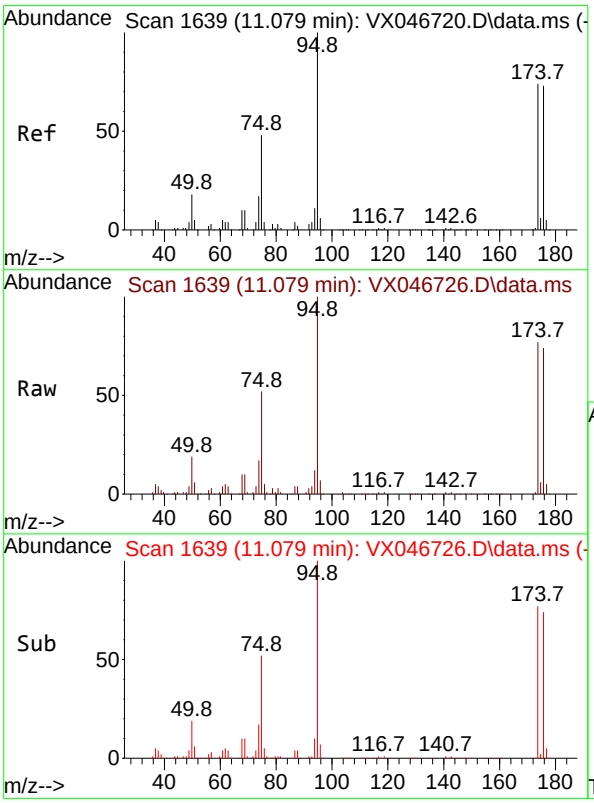

#61
1,2-Dibromoethane
Concen: 52.268 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:107 Resp: 72749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 75.8 | 113.6 |

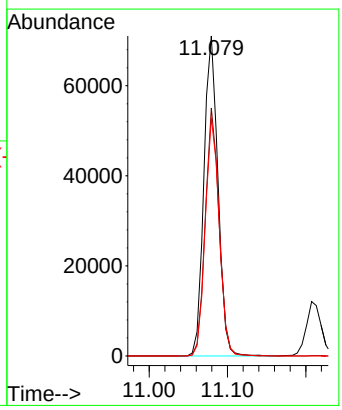


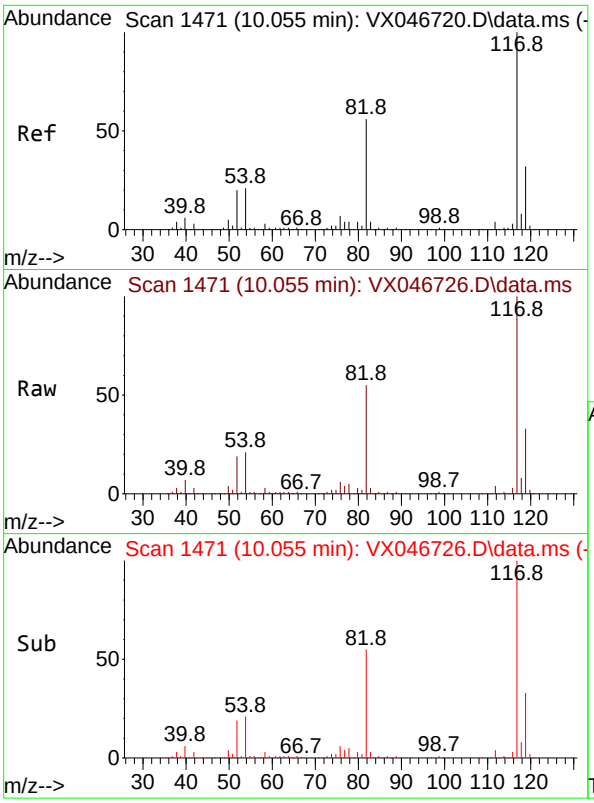




#62
4-Bromofluorobenzene
Concen: 47.712 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 95 Resp: 88588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 73.6 | 0.0 | 145.0 |



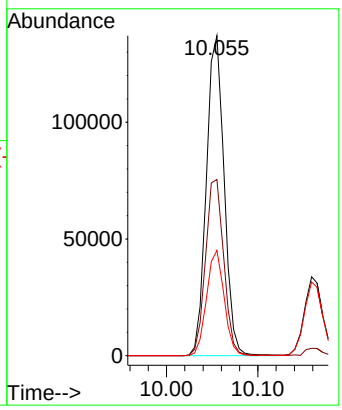


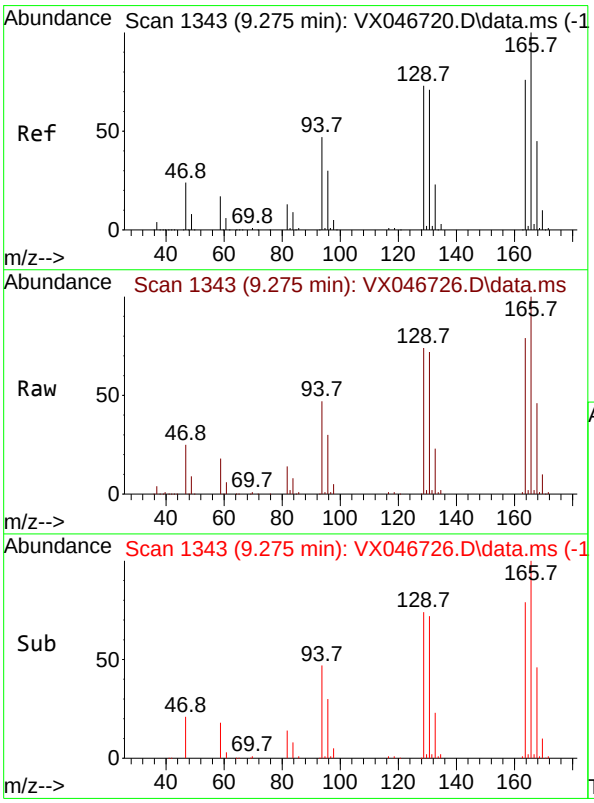

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:117 Resp: 184761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 44.6 | 66.8 |
| 119 | 32.9 | 25.8 | 38.8 |

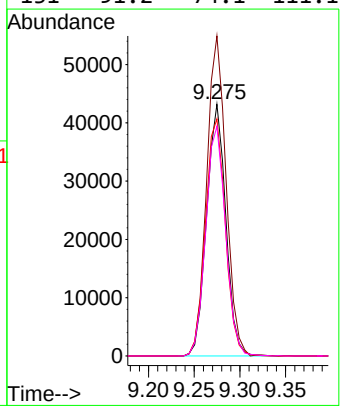


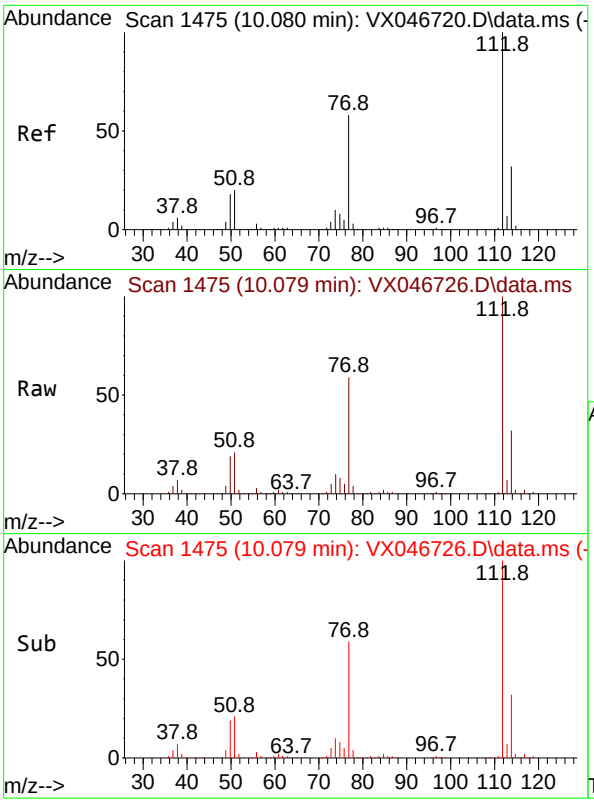




#64
Tetrachloroethene
Concen: 49.172 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:164 Resp: 62943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.1 | 104.6 | 157.0 |
| 129 | 94.2 | 76.3 | 114.5 |
| 131 | 91.2 | 74.1 | 111.1 |



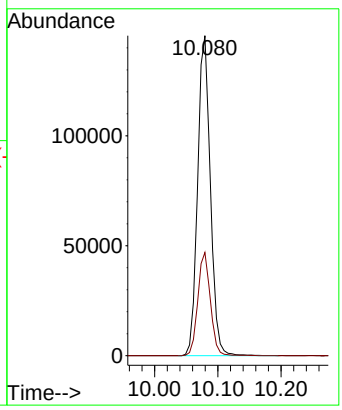


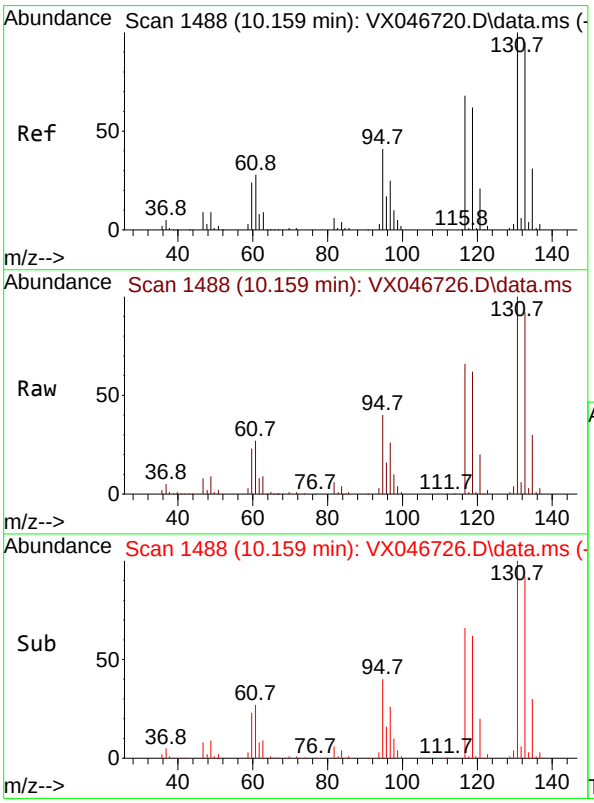

#65
Chlorobenzene
Concen: 50.006 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:112 Resp: 203947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 25.5 | 38.3 |

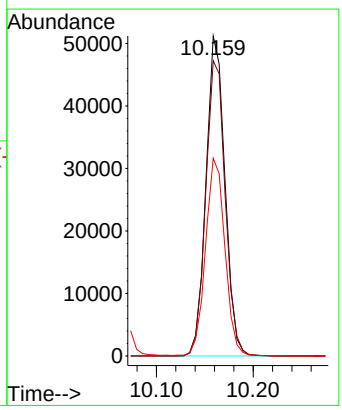


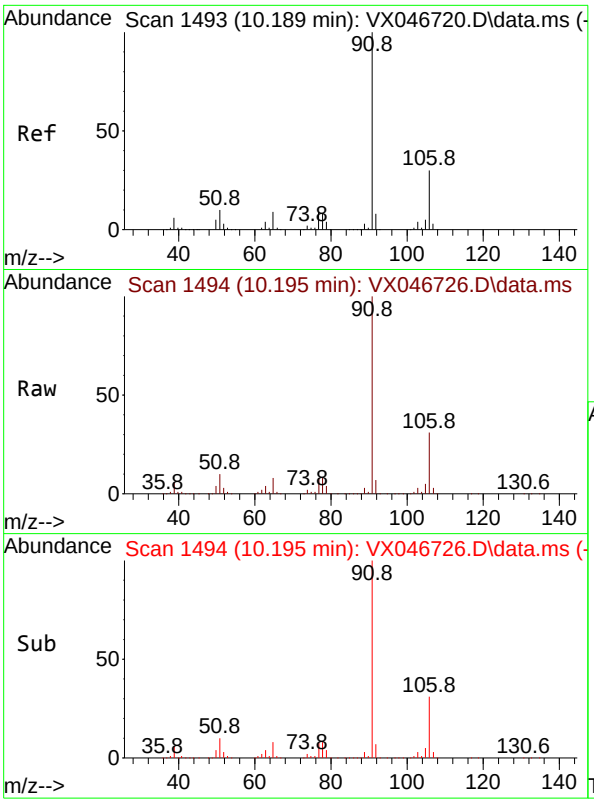




#66
1,1,1,2-Tetrachloroethane
Concen: 50.856 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:131 Resp: 69709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 141.8 |
| 119 | 63.5 | 32.1 | 96.3 |



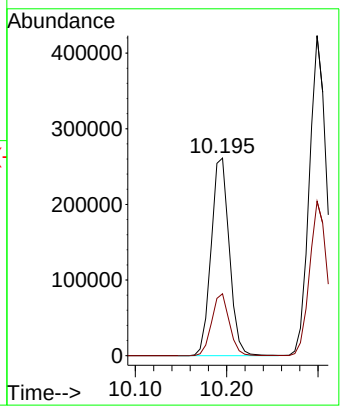


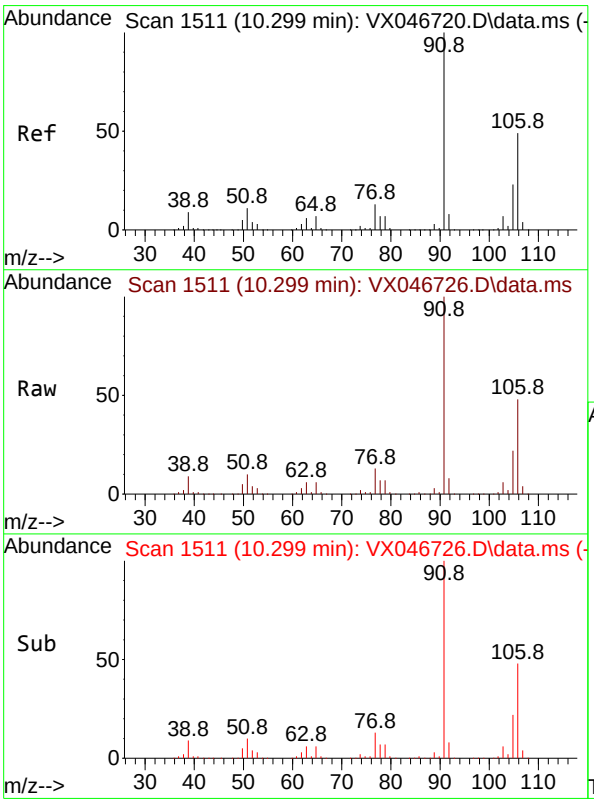

#67
Ethyl Benzene
Concen: 50.487 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 91 Resp: 359779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.4 | 24.2 | 36.2 |

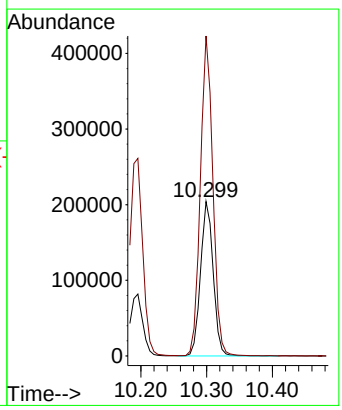


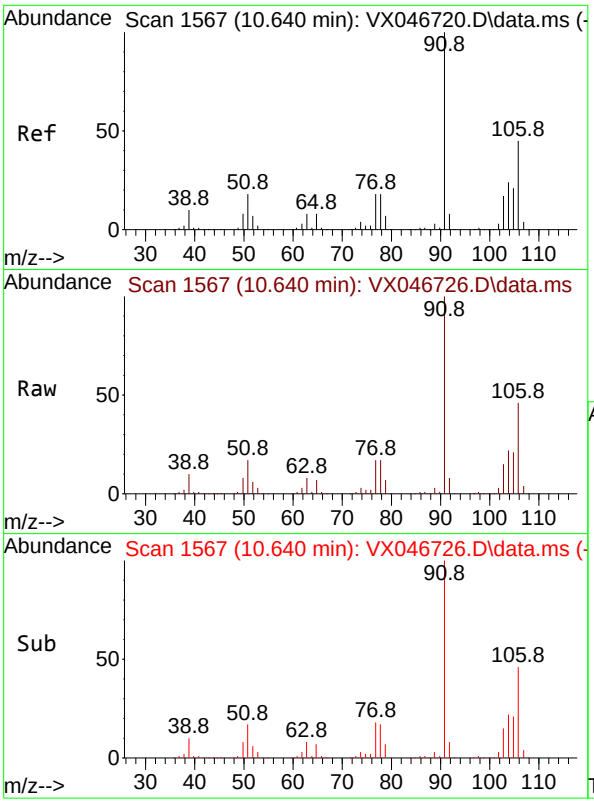




#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:106 Resp: 272935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.2 | 164.8 | 247.2 |



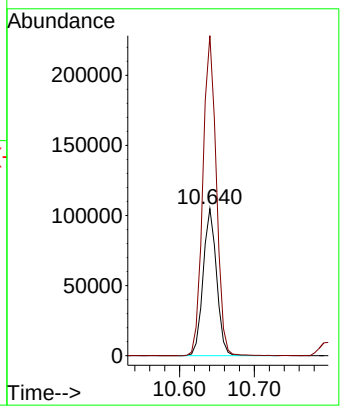


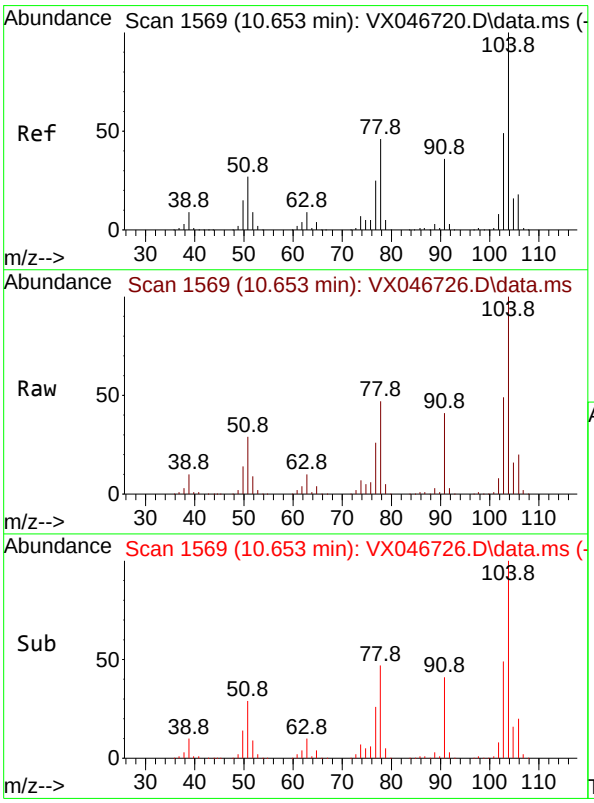

#69
o-Xylene
Concen: 52.635 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:106 Resp: 130980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 111.3 | 333.9 |

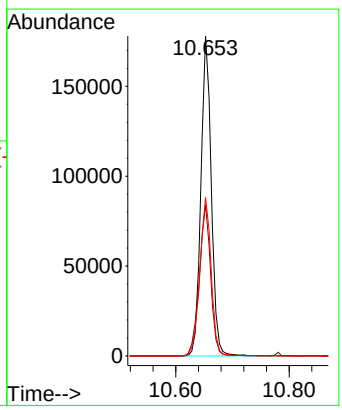


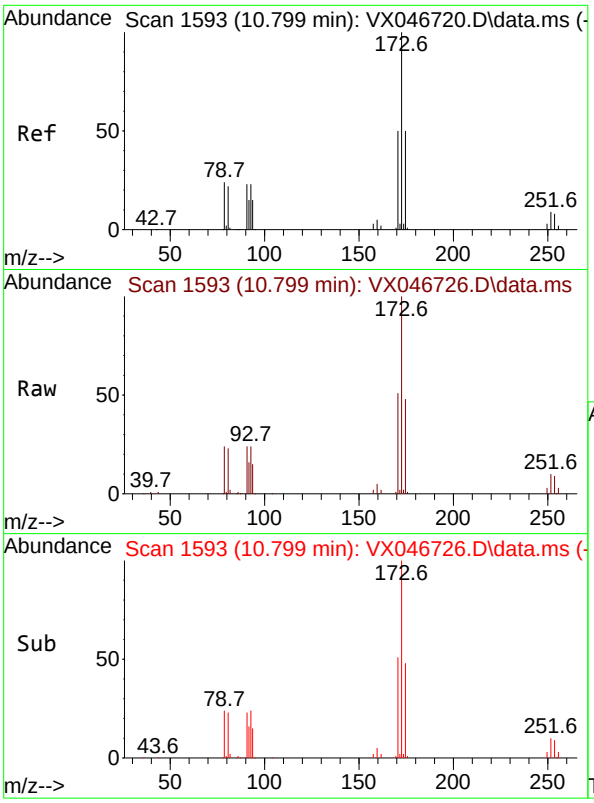




#70
Styrene
Concen: 52.139 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:104 Resp: 227060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.4 | 62.2 |
| 103 | 54.1 | 43.1 | 64.7 |



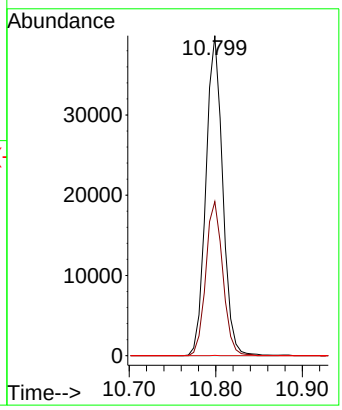


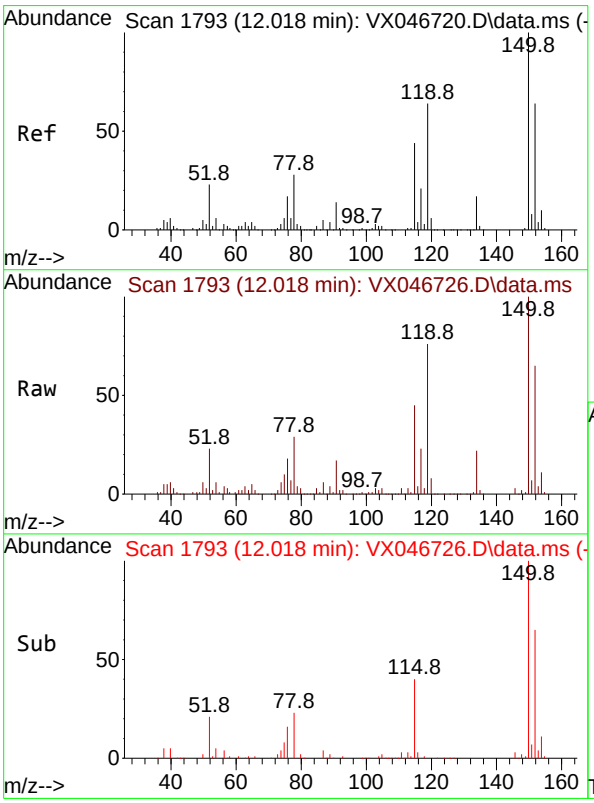

#71
Bromoform
Concen: 51.404 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:173 Resp: 53660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

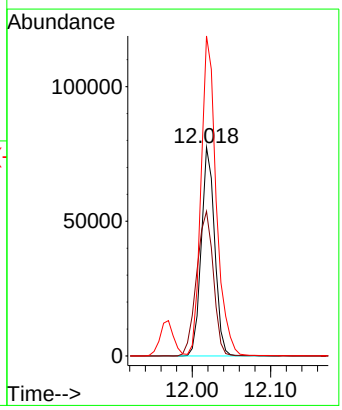


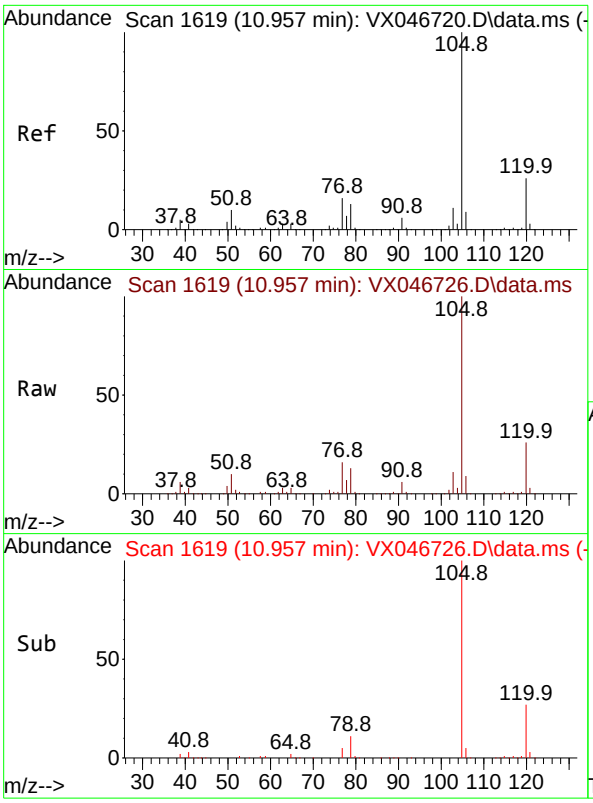




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:152 Resp: 91992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.9 | 43.2 | 129.6 |
| 150 | 174.0 | 0.0 | 346.8 |



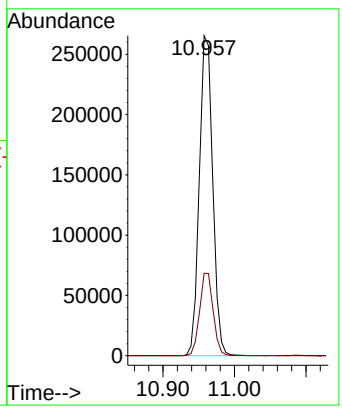


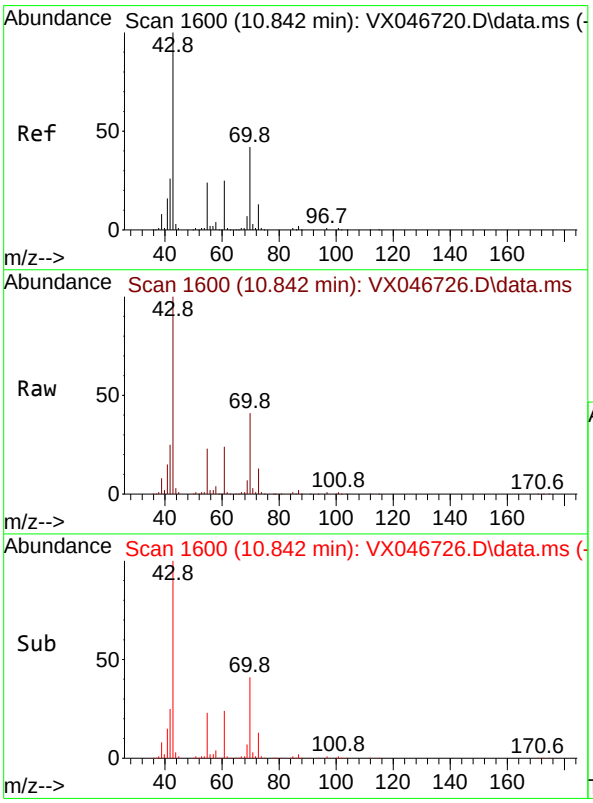

#73
Isopropylbenzene
Concen: 51.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:105 Resp: 346098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 39.0 |

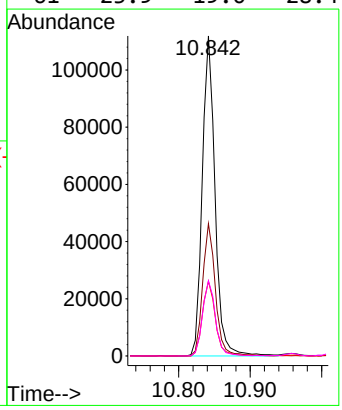


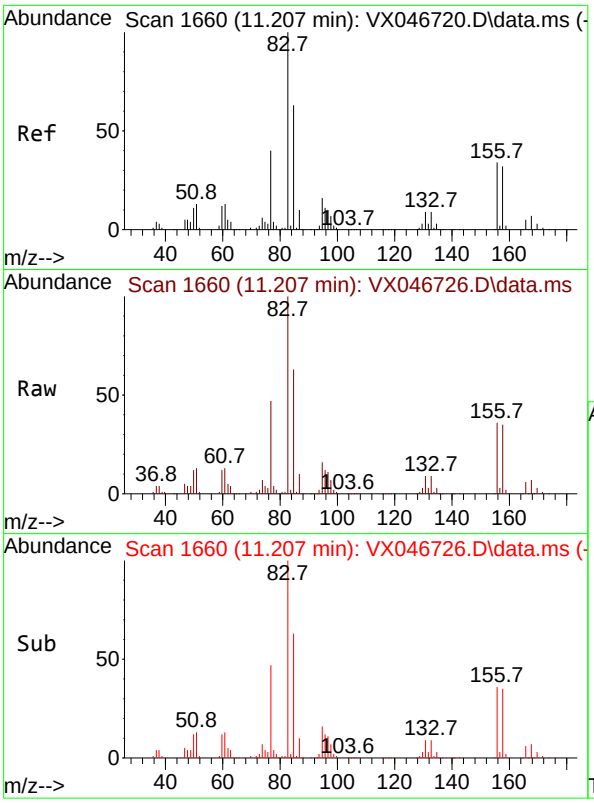




#74
N-amyl acetate
Concen: 54.107 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 43 Resp: 138890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.5 | 33.4 | 50.0 |
| 55 | 23.9 | 19.1 | 28.7 |
| 61 | 23.9 | 19.0 | 28.4 |



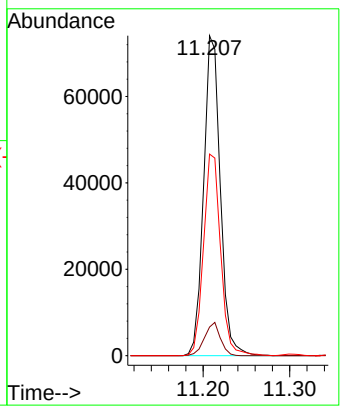


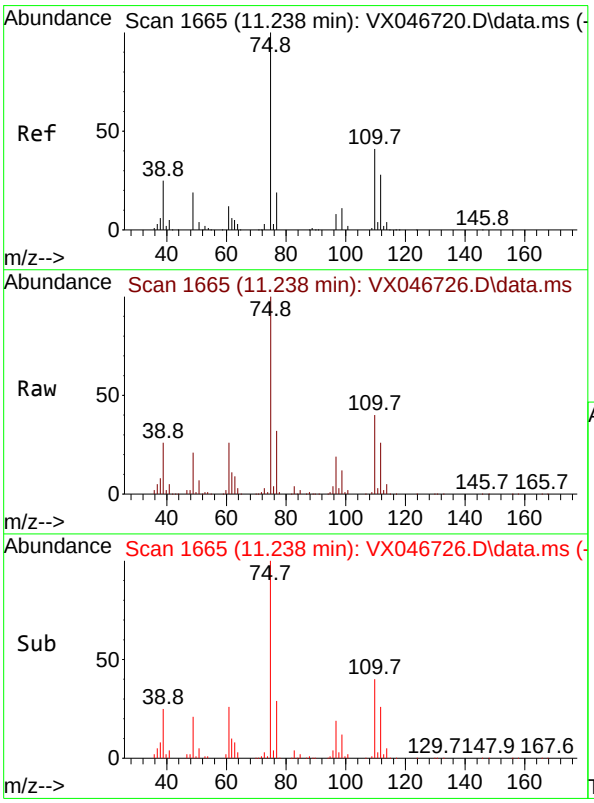

#75
1,1,2,2-Tetrachloroethane
Concen: 52.310 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 83 Resp: 98960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.9 | 14.6 |
| 85 | 64.7 | 32.0 | 96.0 |

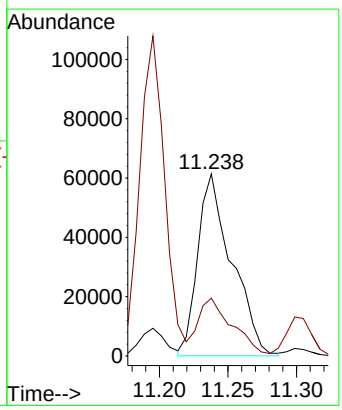


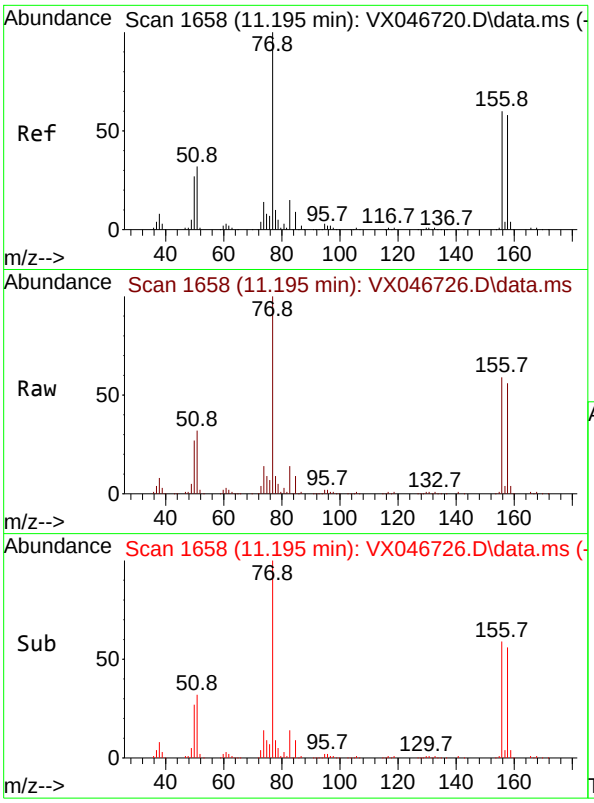




#76
1,2,3-Trichloropropane
Concen: 62.974 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 106102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 18.5 | 55.5 |



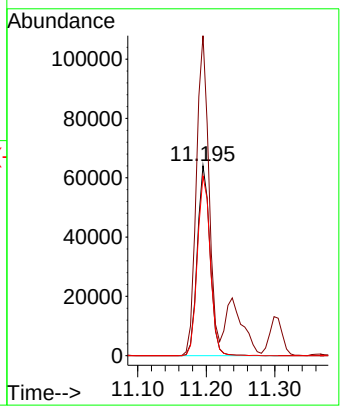


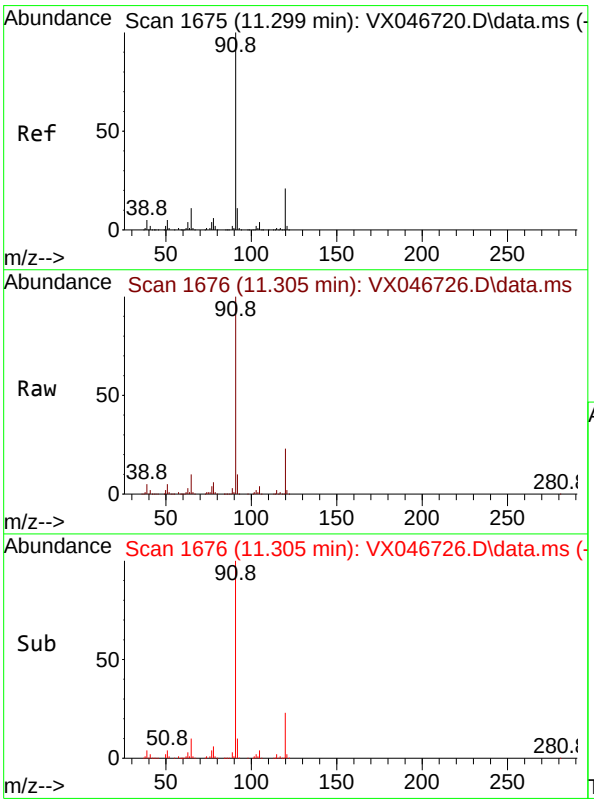

#77
Bromobenzene
Concen: 50.611 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:156 Resp: 82515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.0 | 82.8 | 248.6 |
| 158 | 96.2 | 47.6 | 142.9 |

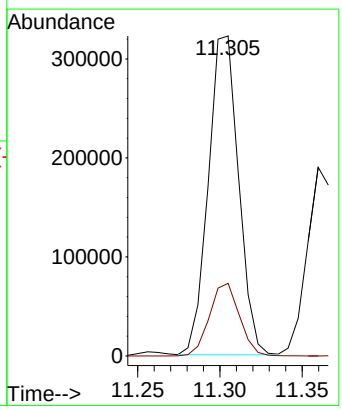


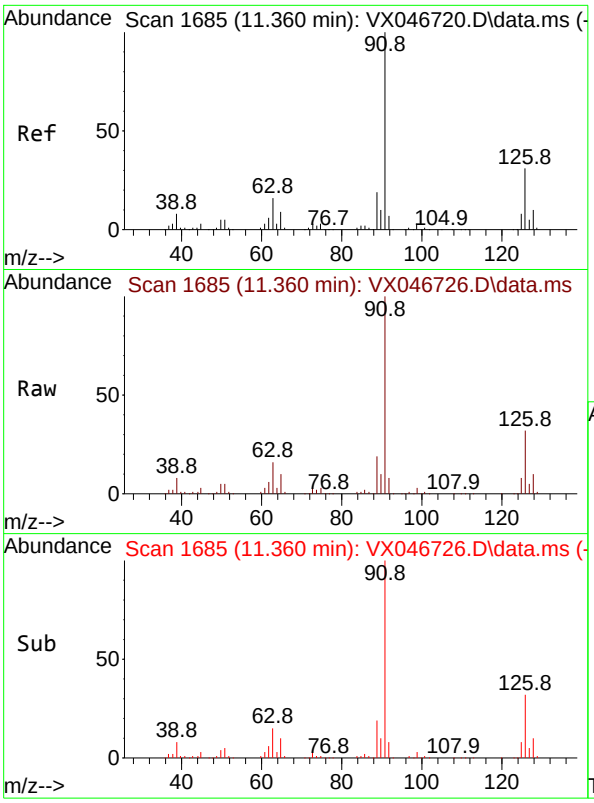




#78
n-propylbenzene
Concen: 51.240 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 412345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |



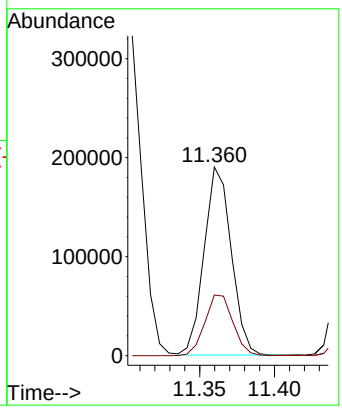


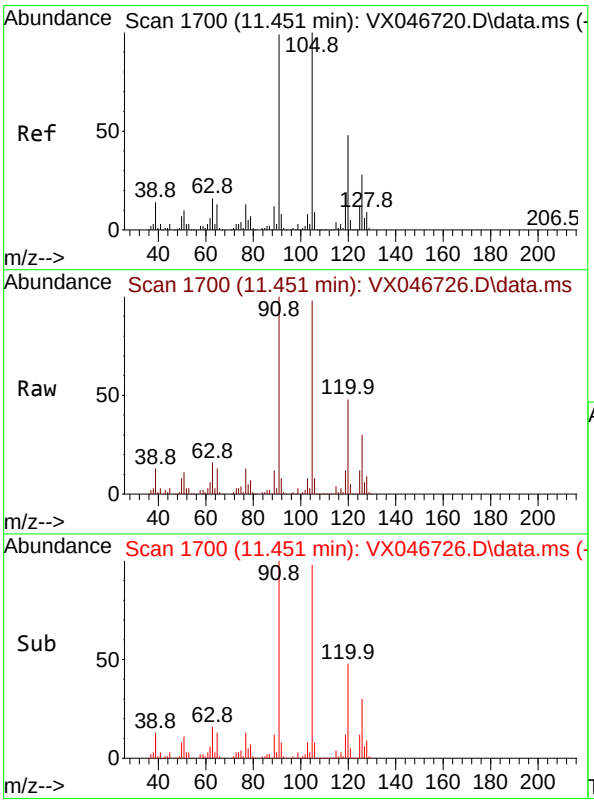

#79
2-Chlorotoluene
Concen: 49.931 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 91 Resp: 239904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.5 | 16.6 | 49.7 |

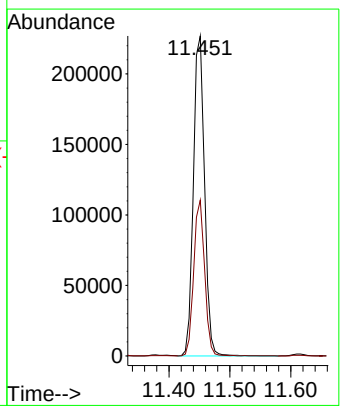


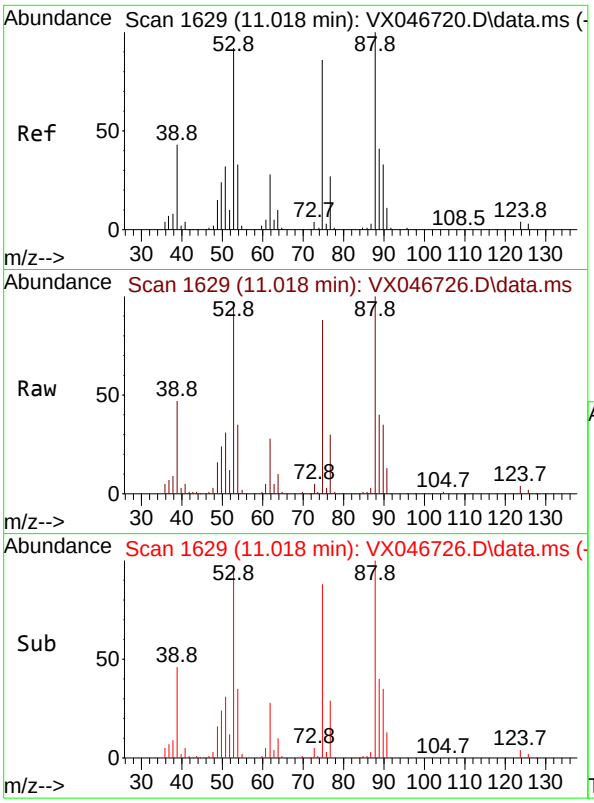




#80
1,3,5-Trimethylbenzene
Concen: 51.746 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:105 Resp: 288104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.1 | 72.2 |



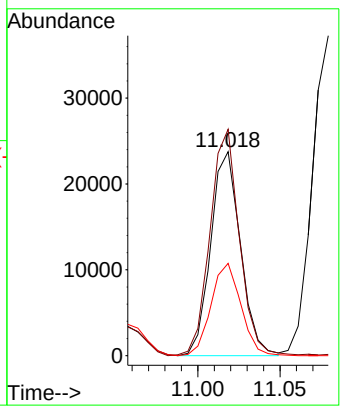


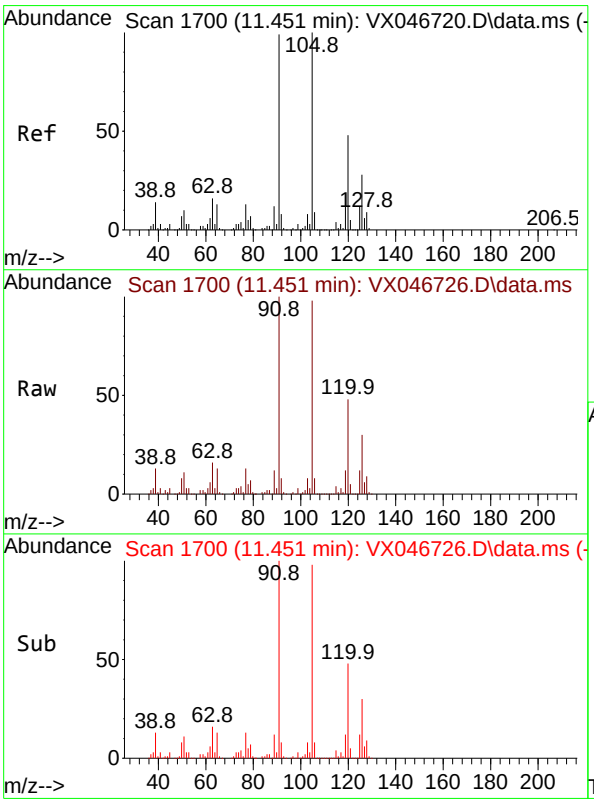

#81
trans-1,4-Dichloro-2-butene
Concen: 50.210 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 75 Resp: 29929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.9 | 86.8 | 130.2 |
| 89 | 45.3 | 36.9 | 55.3 |

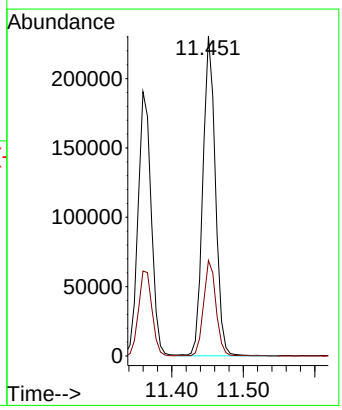


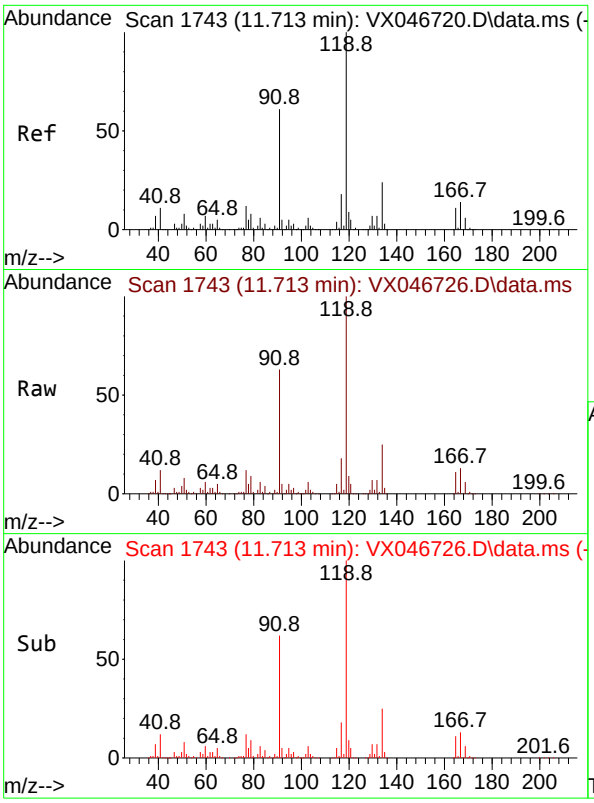




#82
4-Chlorotoluene
Concen: 50.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 91 Resp: 280848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.8 | 14.4 | 43.2 |



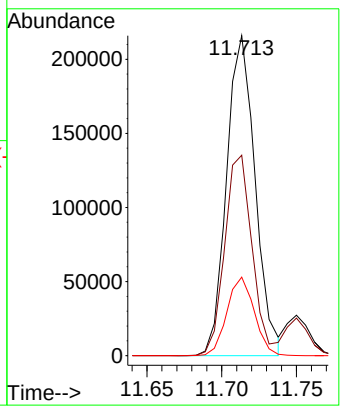


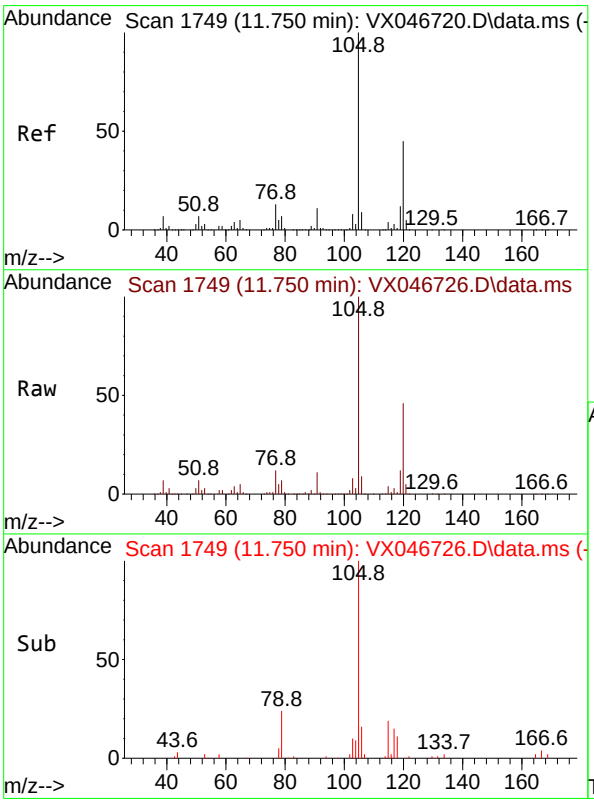

#83
tert-Butylbenzene
Concen: 49.958 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:119 Resp: 287513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.6 | 29.5 | 88.6 |
| 134 | 23.5 | 11.7 | 35.0 |

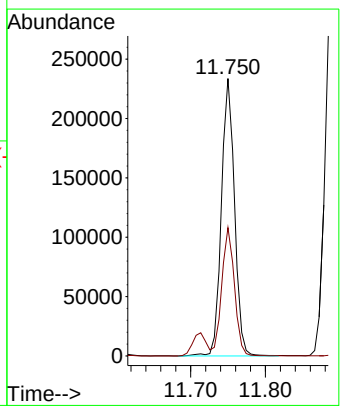


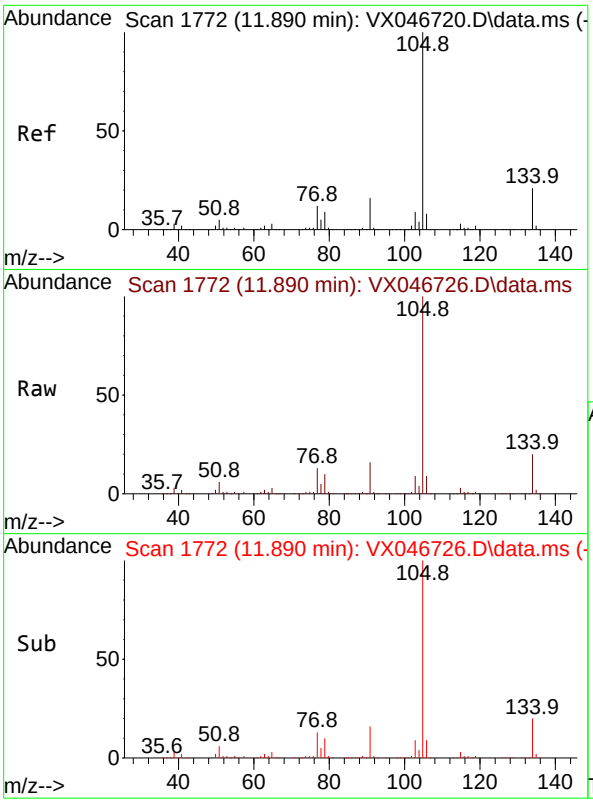




#84
1,2,4-Trimethylbenzene
Concen: 51.193 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:105 Resp: 286365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |



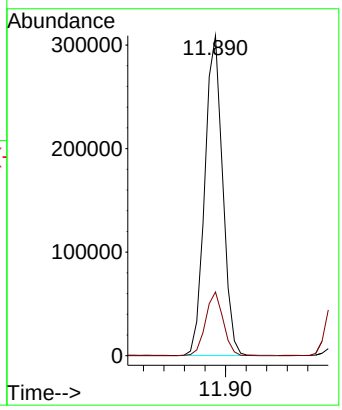


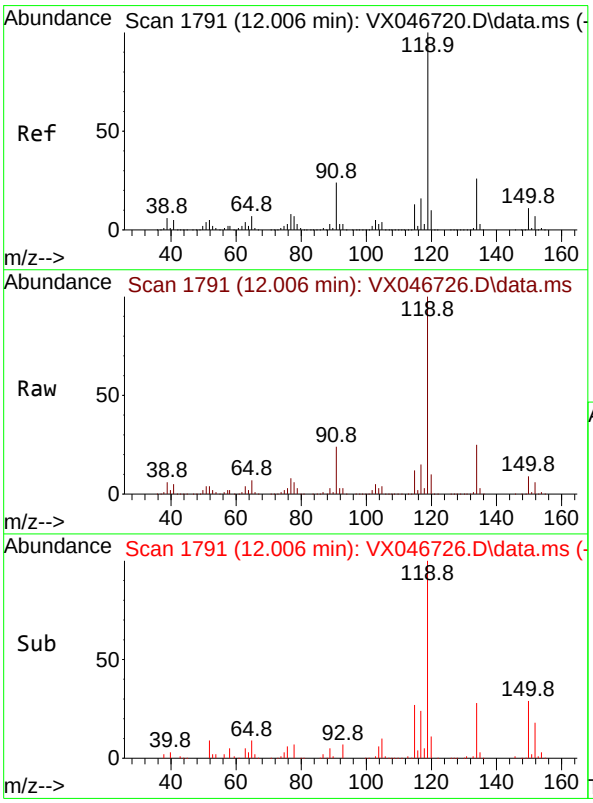

#85
sec-Butylbenzene
Concen: 51.079 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:105 Resp: 371523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

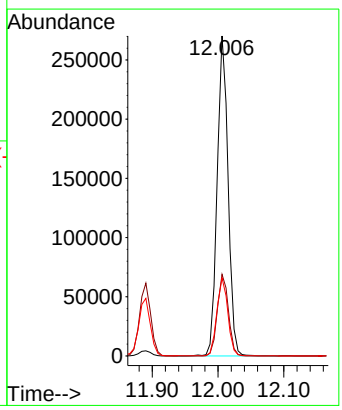


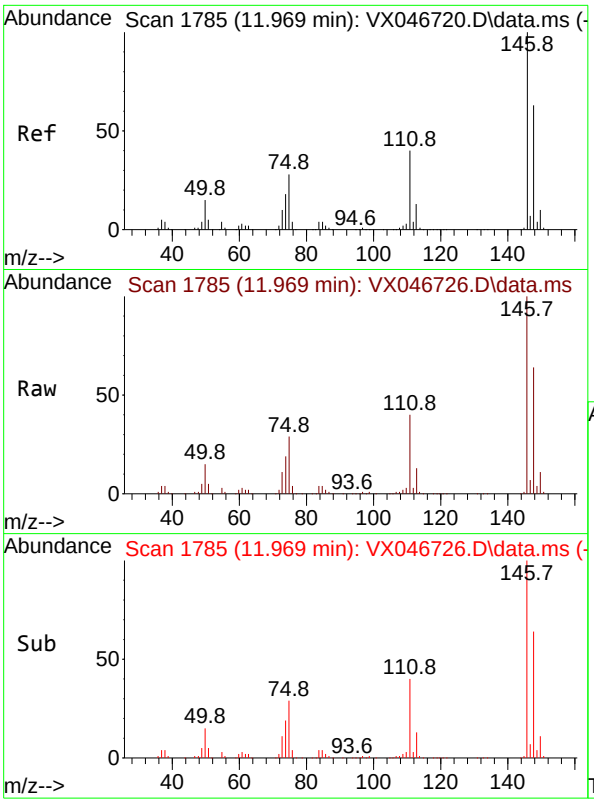




#86
p-Isopropyltoluene
Concen: 50.791 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:119 Resp: 311698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |



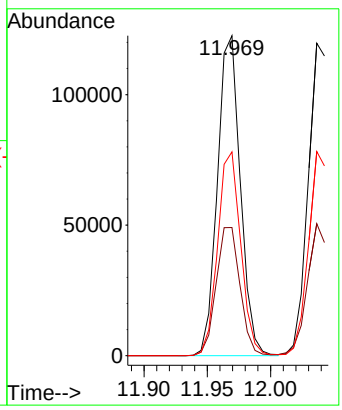


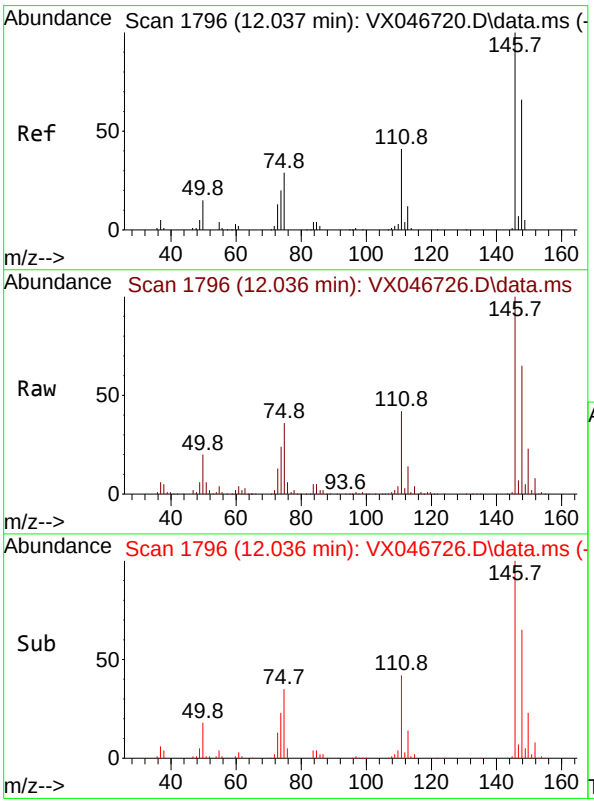

#87
1,3-Dichlorobenzene
Concen: 48.501 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:146 Resp: 154181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.6 | 61.8 |
| 148 | 64.2 | 31.6 | 94.8 |

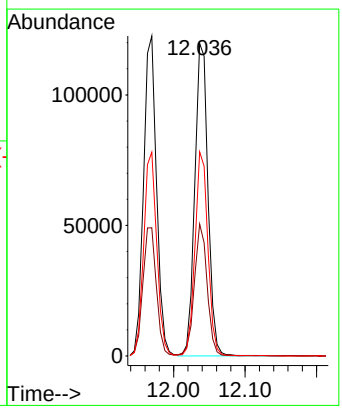


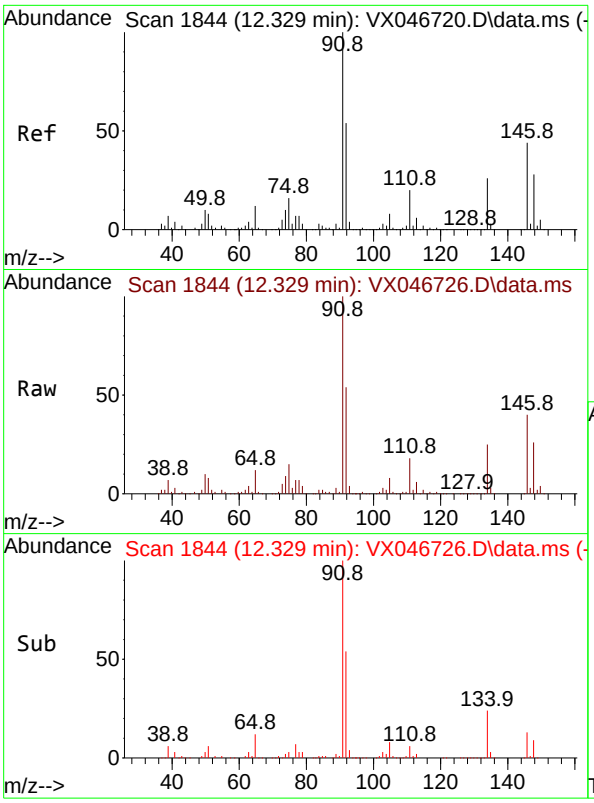




#88
1,4-Dichlorobenzene
Concen: 46.906 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:146 Resp: 153158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 61.0 |
| 148 | 64.0 | 32.1 | 96.5 |



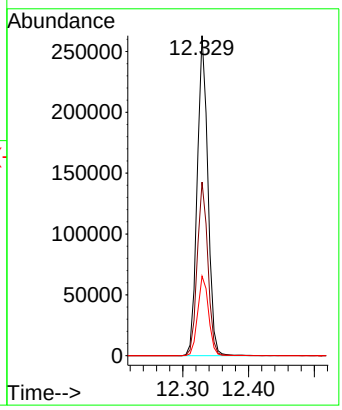


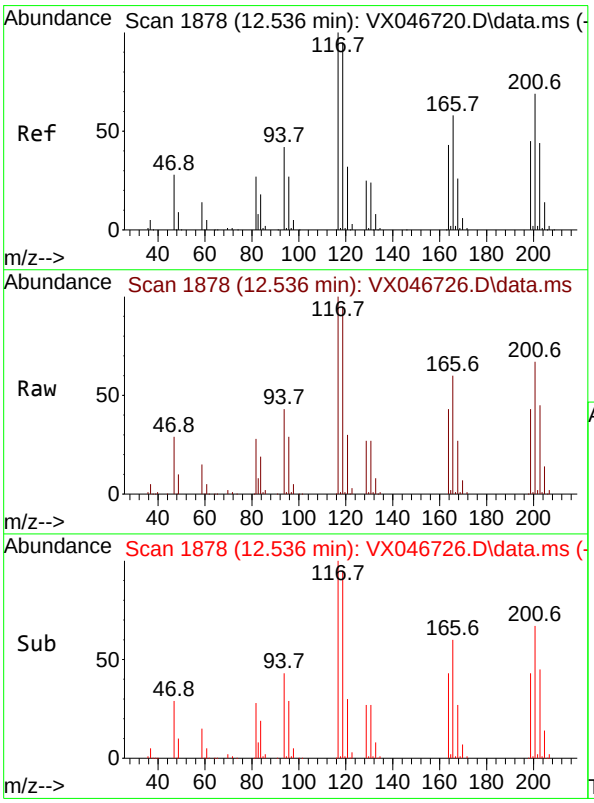

#89
n-Butylbenzene
Concen: 50.829 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion: 91 Resp: 296174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 27.1 | 81.3 |
| 134 | 25.4 | 12.9 | 38.6 |

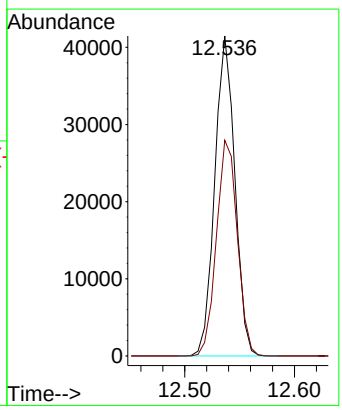


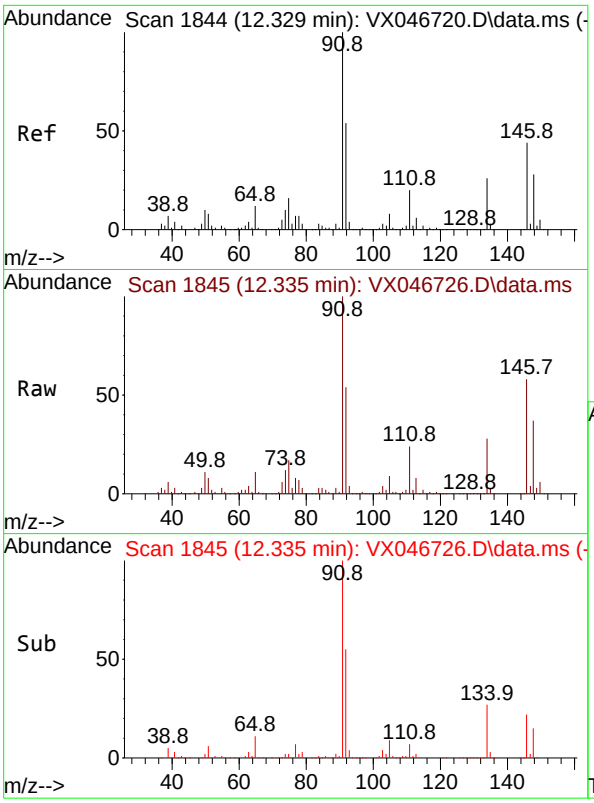




#90
Hexachloroethane
Concen: 49.161 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:117 Resp: 52831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.3 | 34.4 | 103.3 |



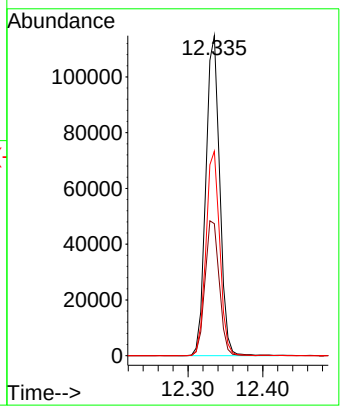


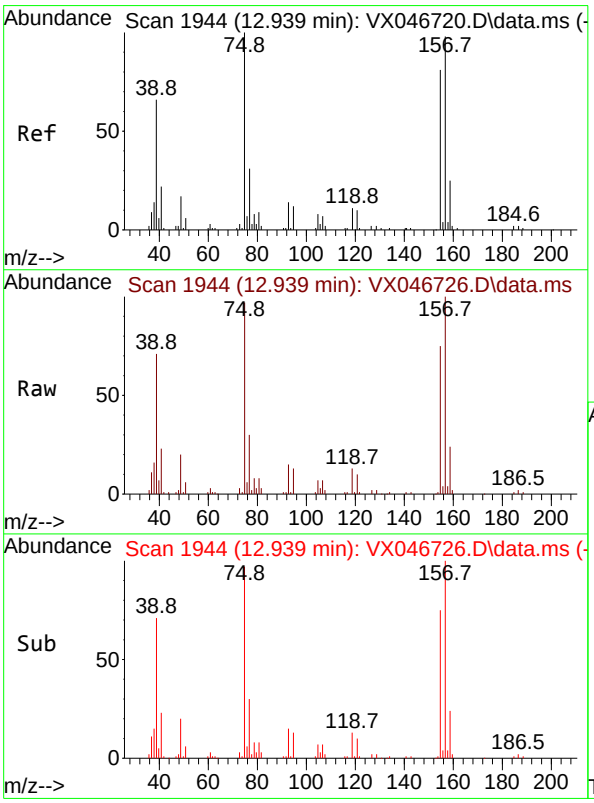

#91
1,2-Dichlorobenzene
Concen: 49.672 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:146 Resp: 147561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.7 | 65.1 |
| 148 | 63.5 | 32.0 | 96.2 |

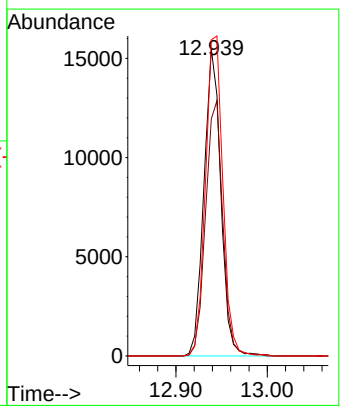


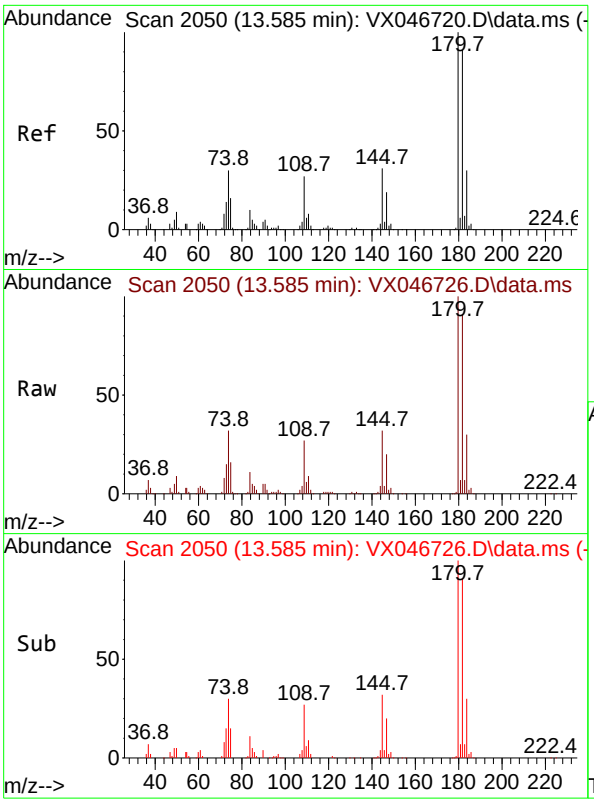




#92
1,2-Dibromo-3-Chloropropane
Concen: 53.151 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion: 75 Resp: 19851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.6 | 41.9 | 125.7 |
| 157 | 107.2 | 51.4 | 154.3 |



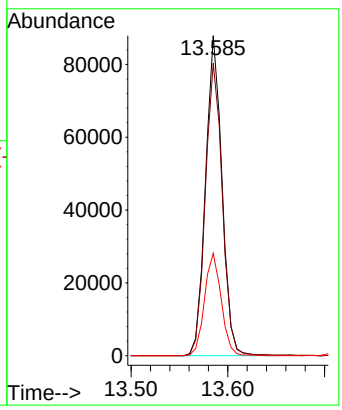


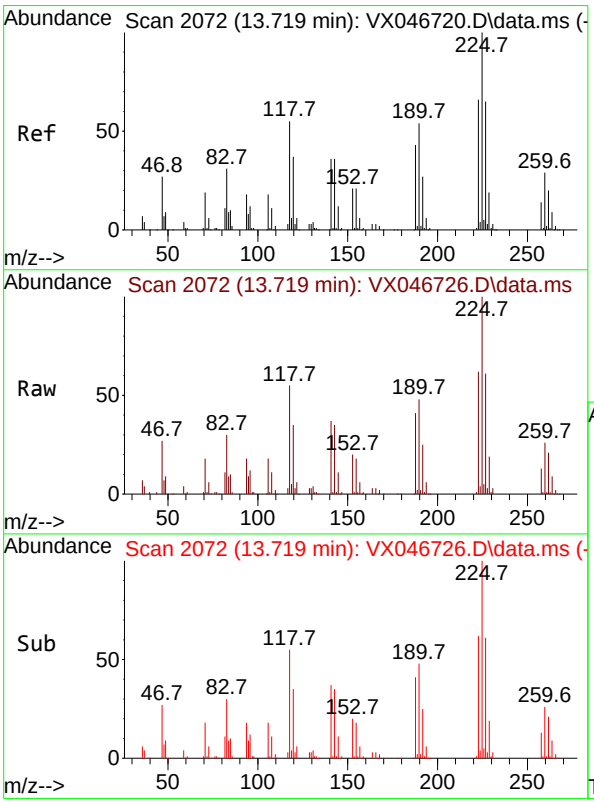

#93
1,2,4-Trichlorobenzene
Concen: 49.369 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:180 Resp: 104267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 46.7 | 140.1 |
| 145 | 32.5 | 15.8 | 47.4 |

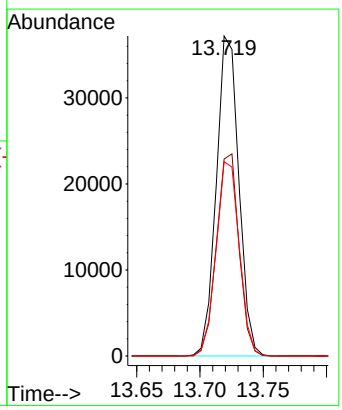


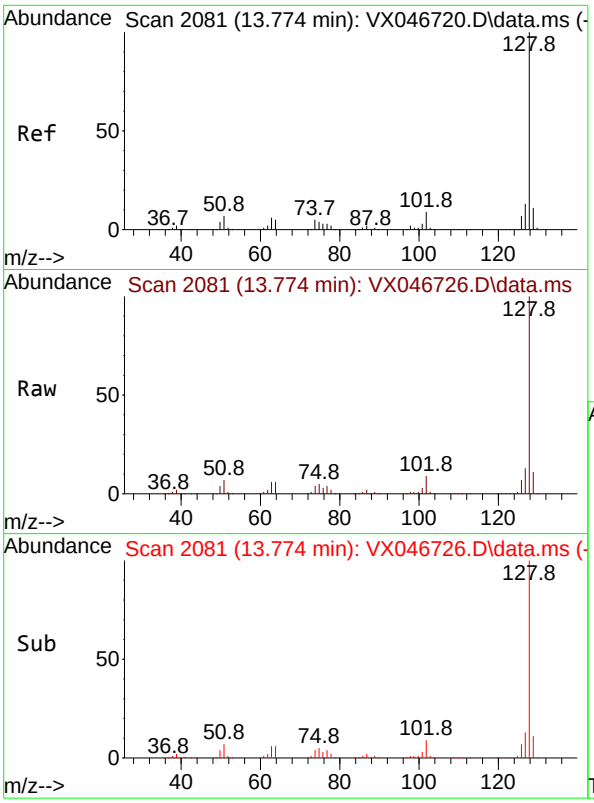




#94
Hexachlorobutadiene
Concen: 51.729 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:225 Resp: 45958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 32.5 | 97.5 |
| 227 | 62.5 | 32.2 | 96.6 |



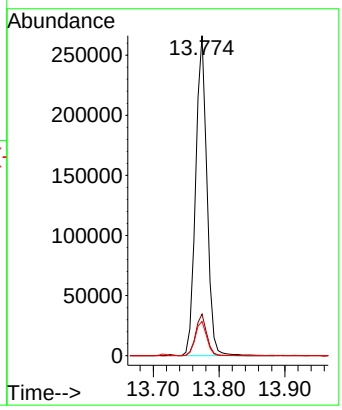


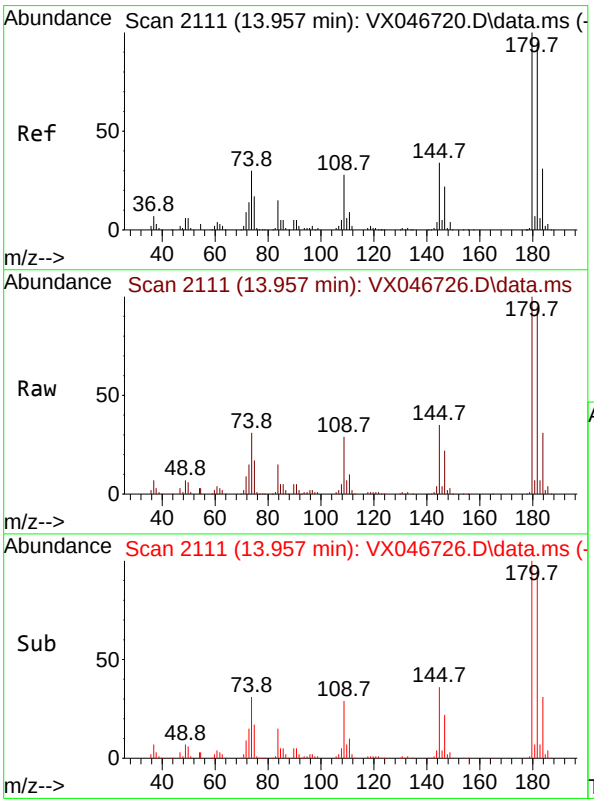

#95
Naphthalene
Concen: 52.462 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Tgt Ion:128 Resp: 315669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

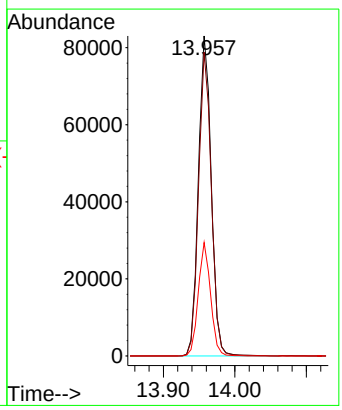



#96
1,2,3-Trichlorobenzene
Concen: 51.200 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046726.D
Acq: 17 Jun 2025 18:00

Tgt Ion:180 Resp: 103451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.8 | 143.4 |
| 145 | 33.9 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 153144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 247293 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 216990 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104970 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 103522 | 48.871 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.740% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 83969 | 51.320 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.640% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 297216 | 50.561 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 109436 | 49.942 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 87825 | 53.715 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 89297 | 50.600 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 96582 | 51.321 | ug/l | 96 |
| 5) Bromomethane | 1.617 | 94 | 57643 | 54.442 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 57854 | 50.722 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 144094 | 50.427 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 49001 | 49.967 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 89694 | 51.165 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 99988 | 45.950 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 37552 | 197.513 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 85474 | 50.530 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 67813 | 244.874 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 148825 | 48.559 | ug/l | 100 |
| 15) Acrylonitrile | 3.068 | 53 | 197165 | 230.626 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 172637 | 244.395 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 236030 | 46.207 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 80342 | 44.781 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 247062 | 46.907 | ug/l | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 92732 | 47.205 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 87048 | 48.093 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 289920 | 49.215 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 1142249 | 243.835 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 161335 | 48.236 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 217618 | 217.827 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 122642 | 50.275 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 101031 | 47.512 | ug/l | 99 |
| 28) Bromochloromethane | 4.903 | 49 | 81116 | 53.494 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 141562 | 219.377 | ug/l | 100 |
| 30) Chloroform | 5.099 | 83 | 161817 | 48.377 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 148538 | 46.830 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 138647 | 47.262 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 114107 | 48.312 | ug/l | 100 |
| 37) Ethyl Acetate | 4.714 | 43 | 96161 | 44.108 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 121848 | 47.537 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 150437 | 48.402 | ug/l | 99 |
| 40) Benzene | 6.043 | 78 | 338410 | 48.414 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 57085 | 49.115 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 116628 | 47.481 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 157598 | 46.196 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 85692 | 48.105 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 83732 | 48.335 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 59103 | 47.472 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 123442 | 48.587 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 80965 | 47.322 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.653 | 88 | 20224 | 817.840 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 462115 | 227.118 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 208762 | 48.176 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 116724 | 49.516 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 132187 | 49.396 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 76422 | 47.325 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 112902 | 47.362 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 128820 | 46.323 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 319370 | 257.912 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 316244 | 224.819 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 90703 | 47.662 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 78054 | 47.518 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 70305 | 46.765 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 225160 | 47.007 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 76955 | 47.803 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 401054 | 47.920 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 299077 | 95.905 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 142872 | 48.886 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 247158 | 48.325 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 58162 | 47.441 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 382718 | 49.504 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 141644 | 48.357 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101190 | 46.876 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 109122 | 56.759 | ug/l | | 91 |
| 77) Bromobenzene | 11.195 | 156 | 90654 | 48.728 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 454356 | 49.480 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 264018 | 48.156 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 313670 | 49.373 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 31219 | 45.899 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 310790 | 48.572 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 321103 | 48.896 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313812 | 49.164 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 409901 | 49.388 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 340046 | 48.559 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 169284 | 46.668 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 170550 | 45.774 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 326557 | 49.115 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 58749 | 47.909 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 162062 | 47.808 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18854 | 44.240 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 112879 | 46.839 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 50342 | 49.658 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 321689 | 46.852 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 110625 | 47.981 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

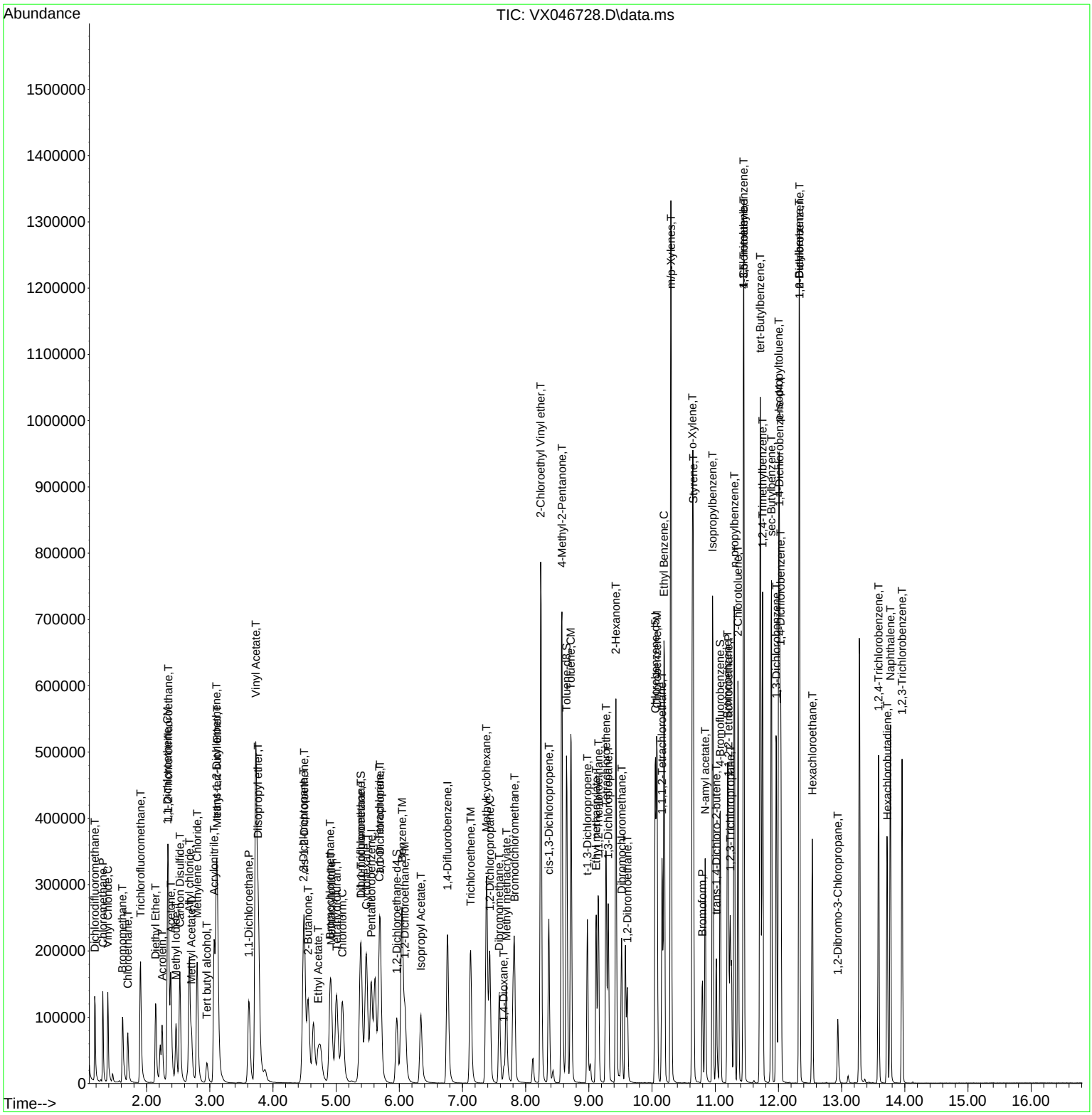
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

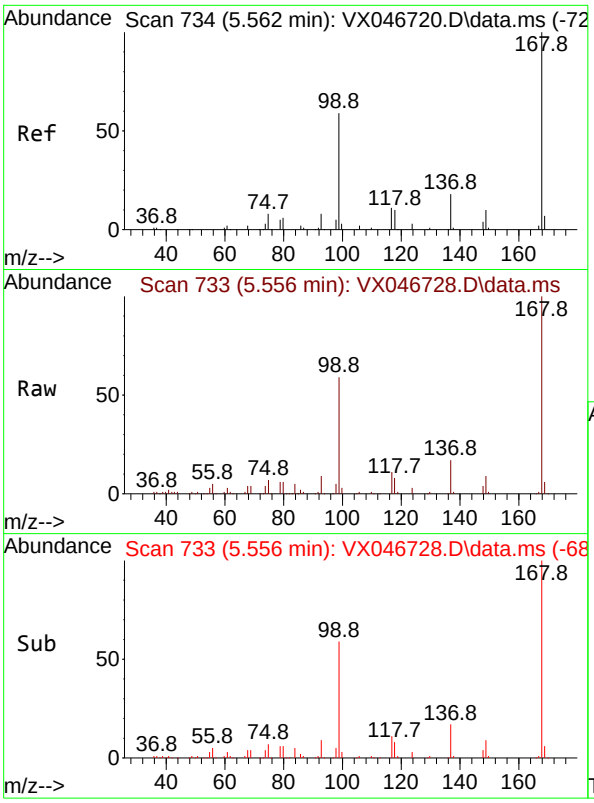
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



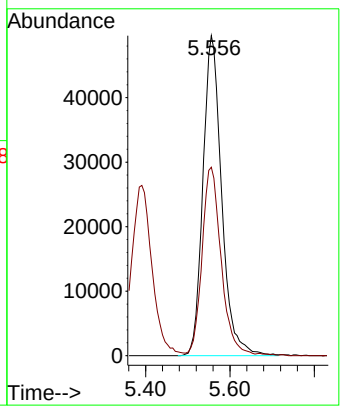


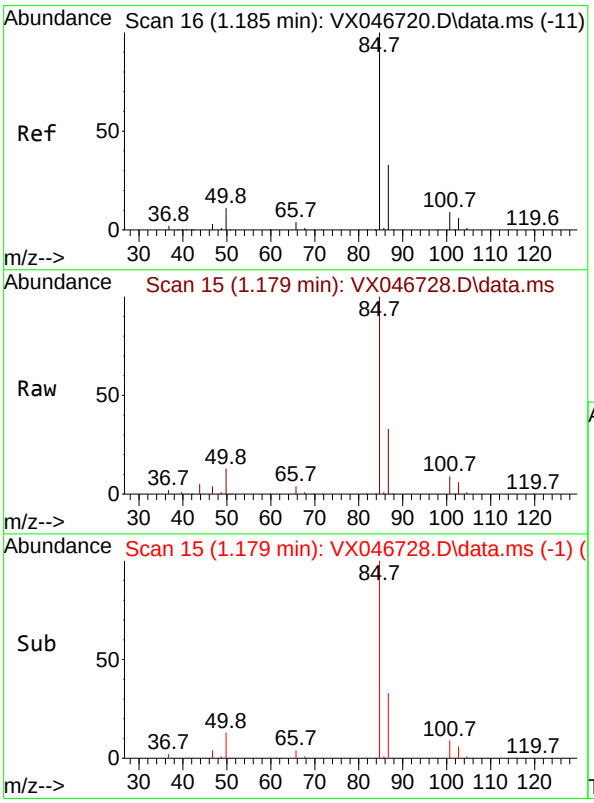

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 153144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 48.5 | 72.7 |

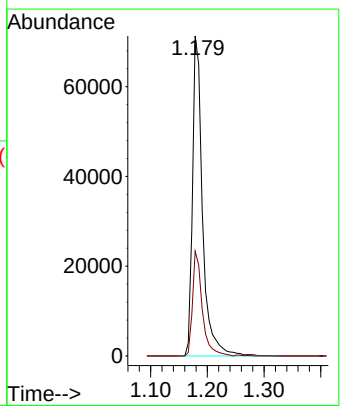


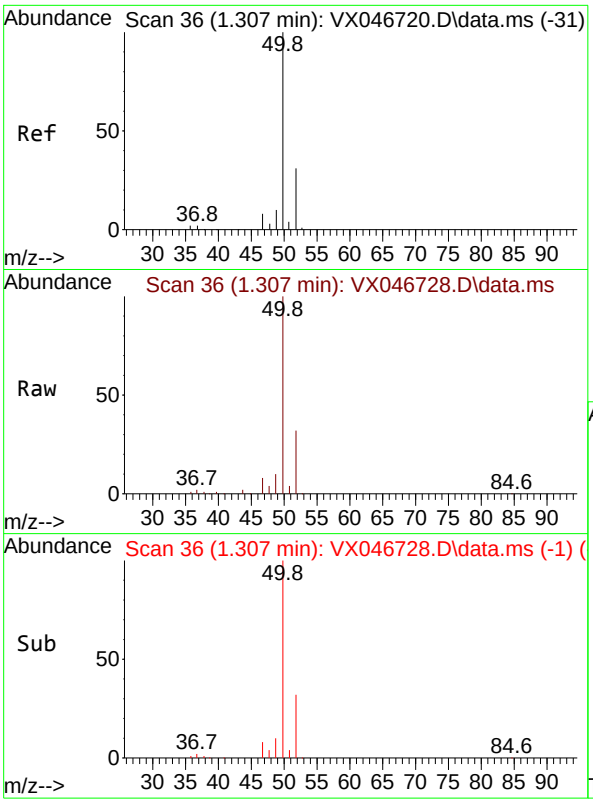




#2
Dichlorodifluoromethane
Concen: 53.715 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 85 Resp: 87825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |



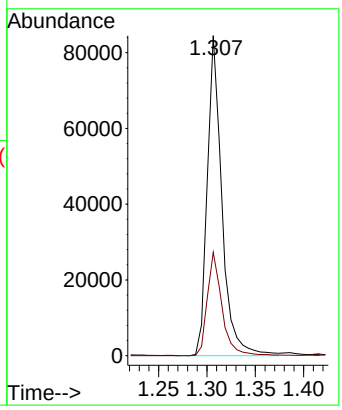


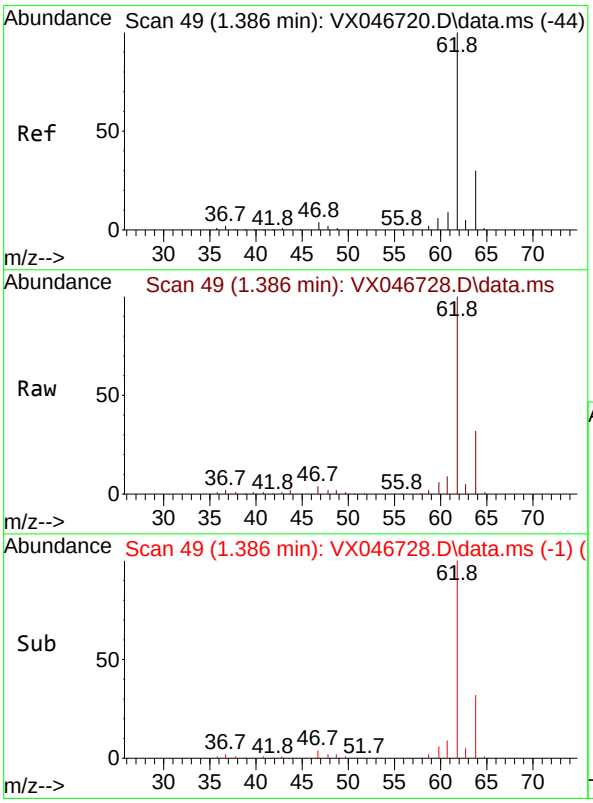

#3
Chloromethane
Concen: 50.600 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 89297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 24.9 | 37.3 |

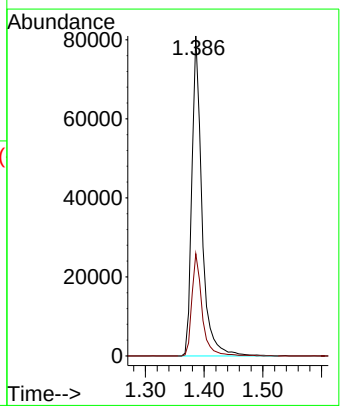


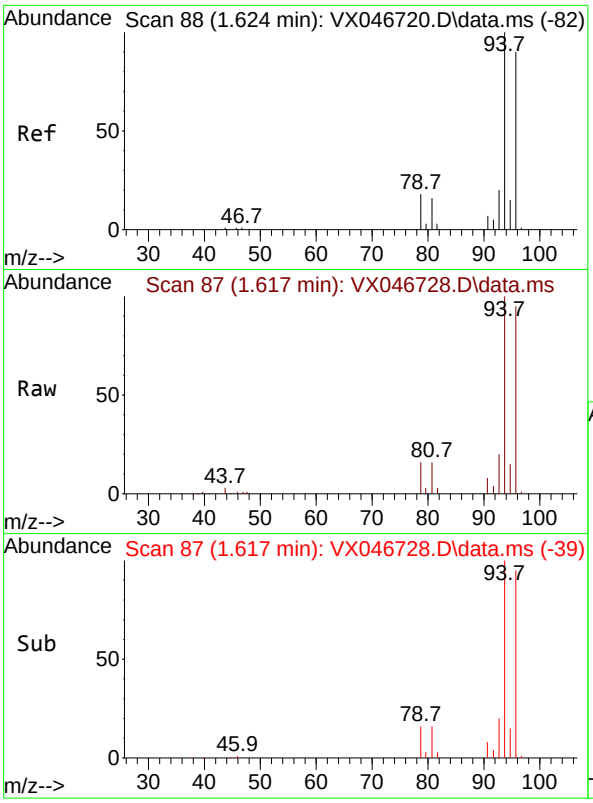




#4
Vinyl Chloride
Concen: 51.321 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 62 Resp: 96582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |



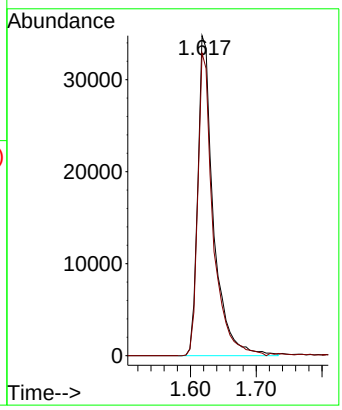


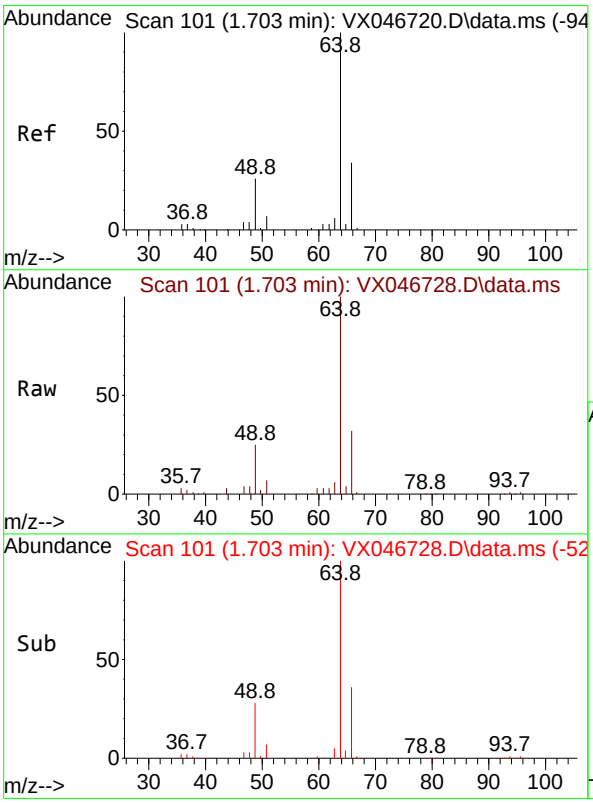

#5
Bromomethane
Concen: 54.442 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 57643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.6 | 72.3 | 108.5 |

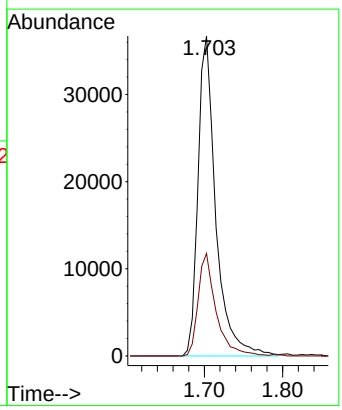


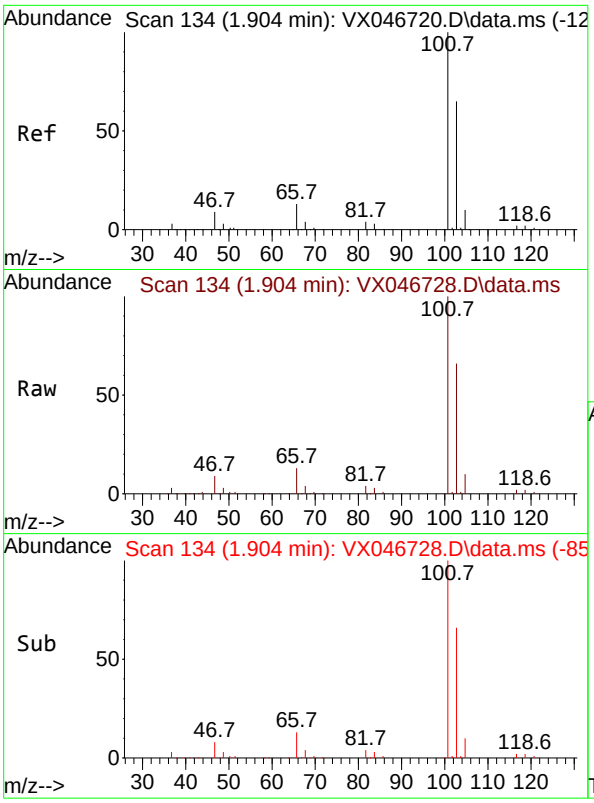




#6
Chloroethane
Concen: 50.722 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 64 Resp: 57854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 27.1 | 40.7 |



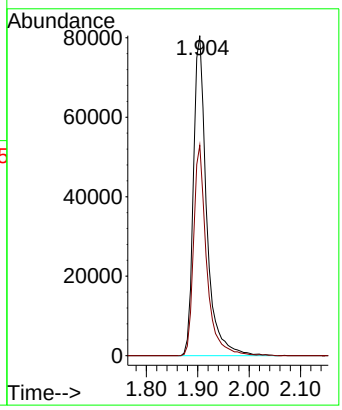


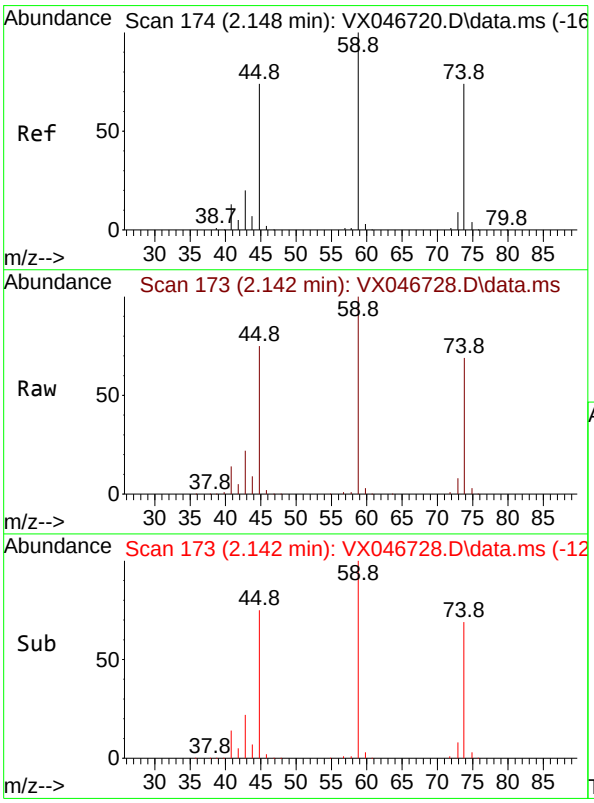

#7
Trichlorofluoromethane
Concen: 50.427 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 144094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |

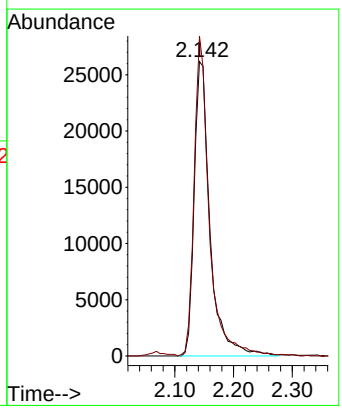


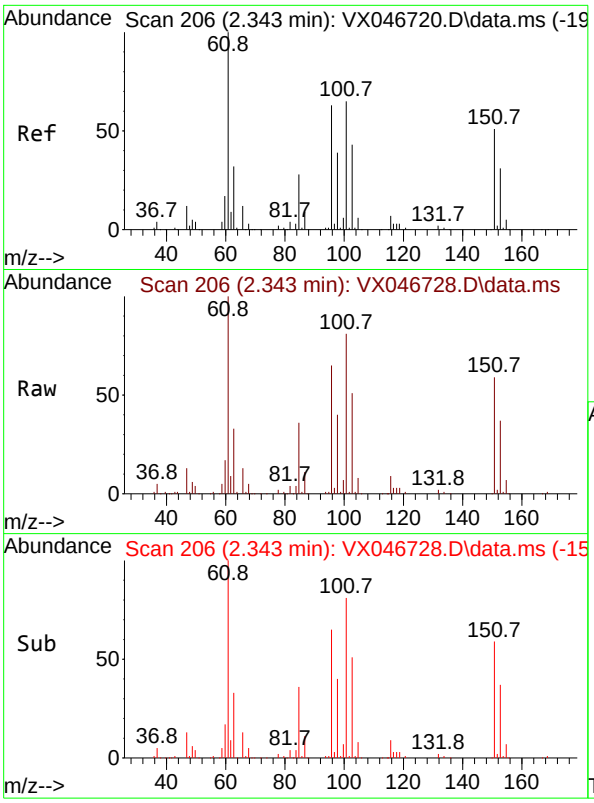




#8
Diethyl Ether
Concen: 49.967 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 74 Resp: 49001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.3 | 52.3 | 157.1 |



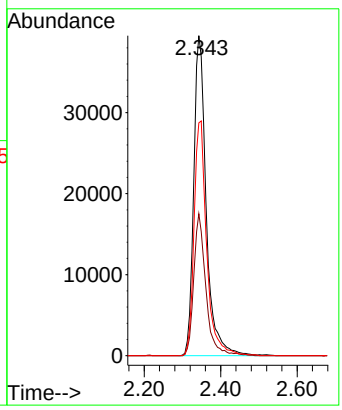


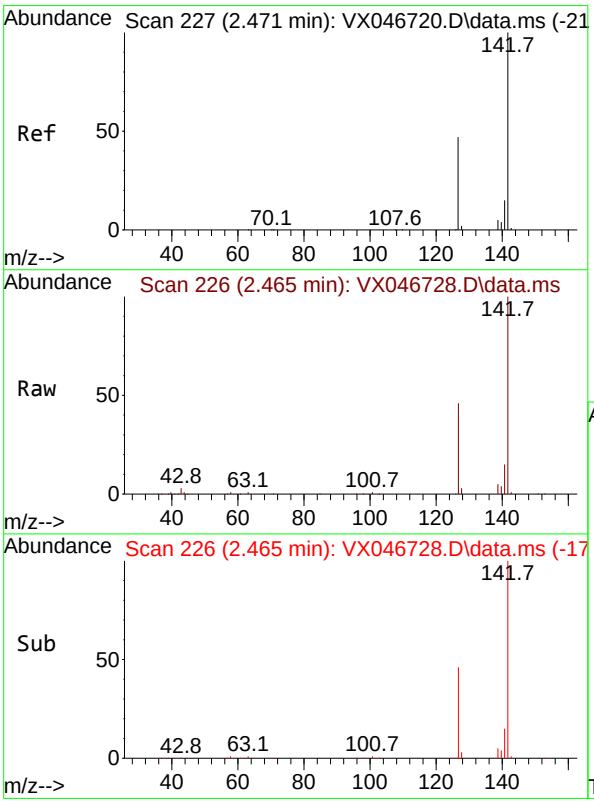

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.165 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 89694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.0 | 35.4 | 53.0 |
| 151 | 74.2 | 61.2 | 91.8 |

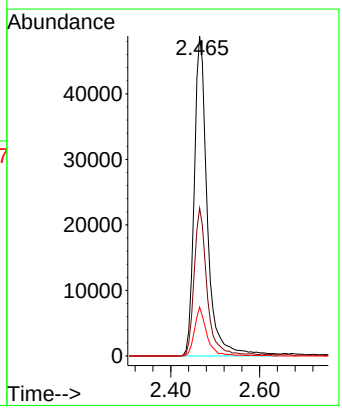


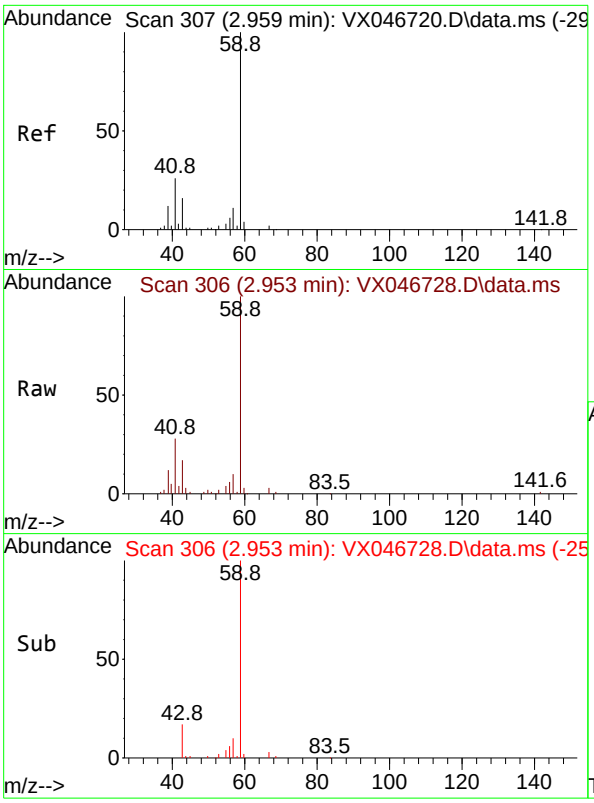




#10
Methyl Iodide
Concen: 45.950 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:142 Resp: 99988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.4 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |



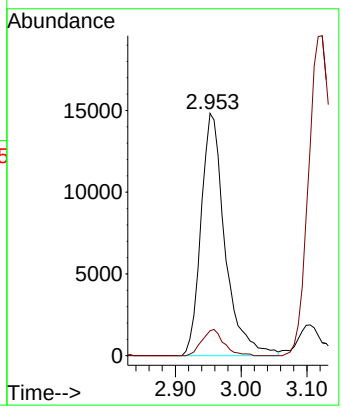


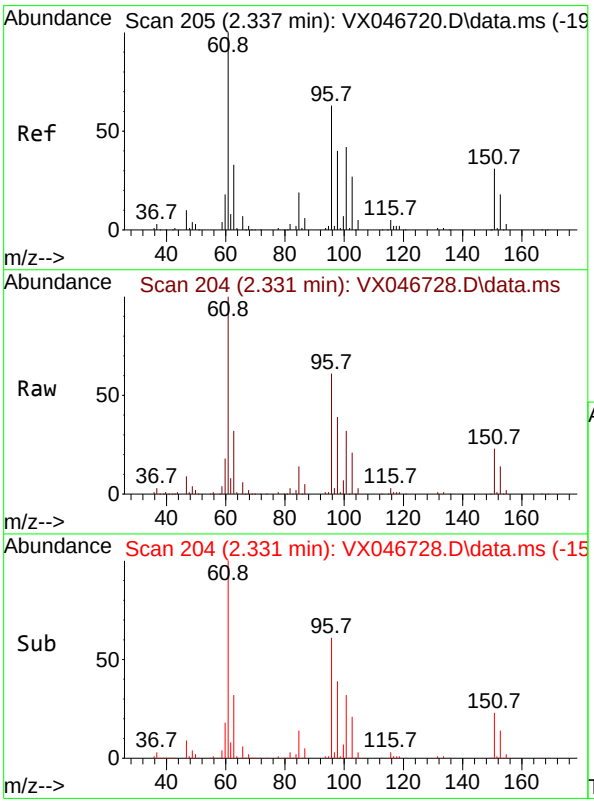

#11
Tert butyl alcohol
Concen: 197.513 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 37552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.3 | 12.5 |

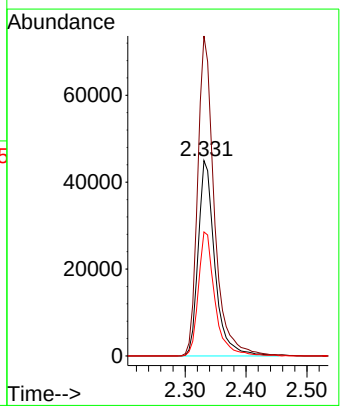


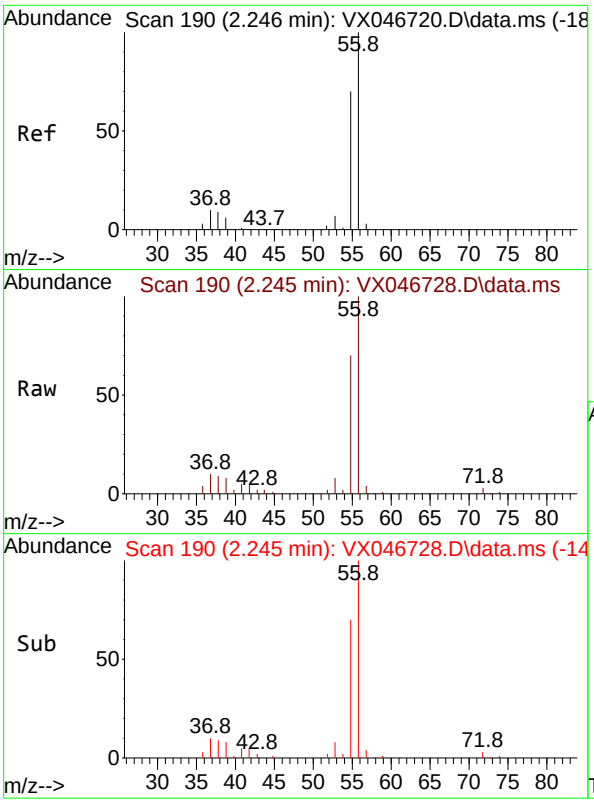




#12
1,1-Dichloroethene
Concen: 50.530 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 96 Resp: 85474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |



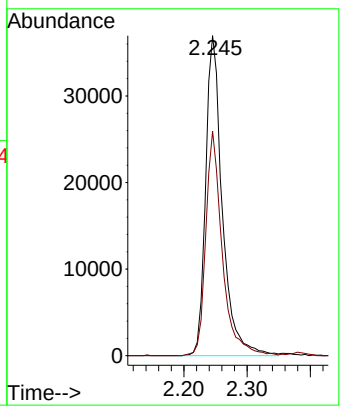


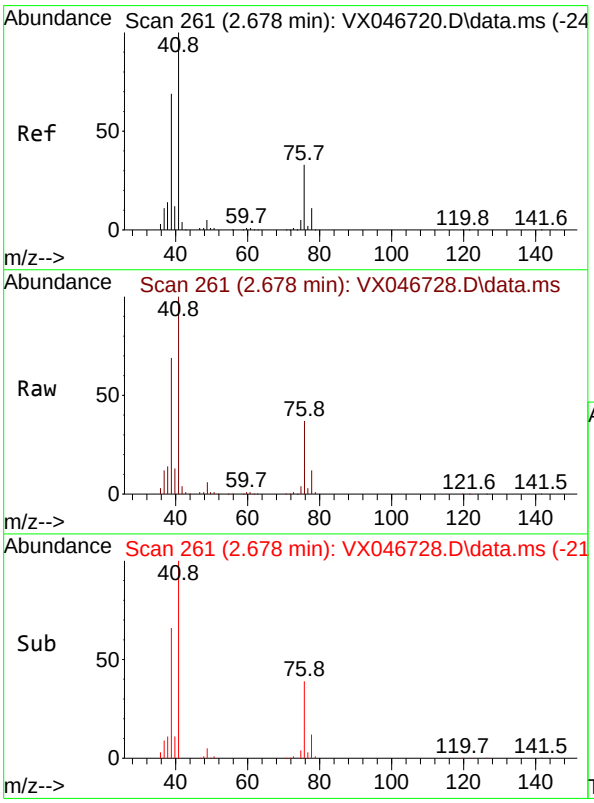

#13
Acrolein
Concen: 244.874 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 67813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 55.2 | 82.8 |

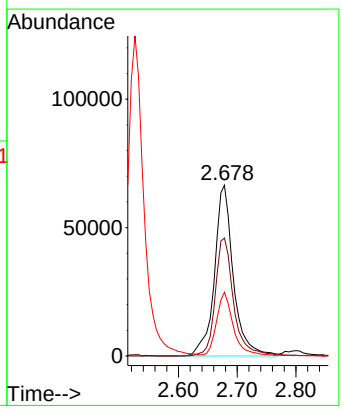


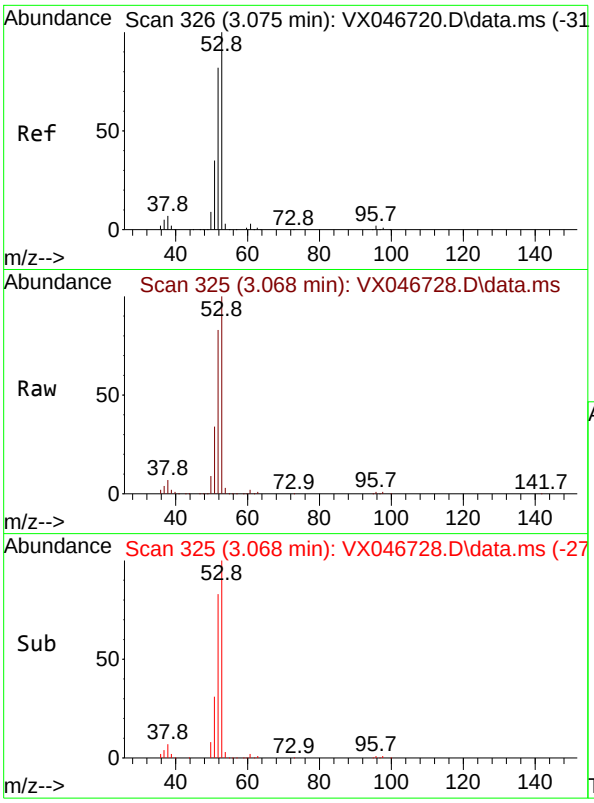




#14
Allyl chloride
Concen: 48.559 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 41 Resp: 148825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.3 | 53.6 | 80.4 |
| 76 | 33.7 | 26.8 | 40.2 |



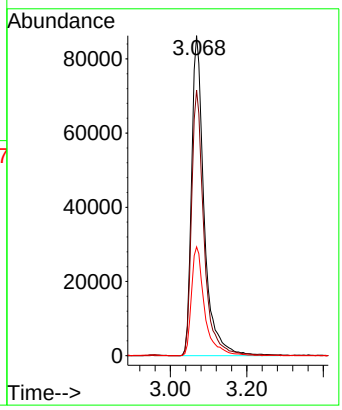


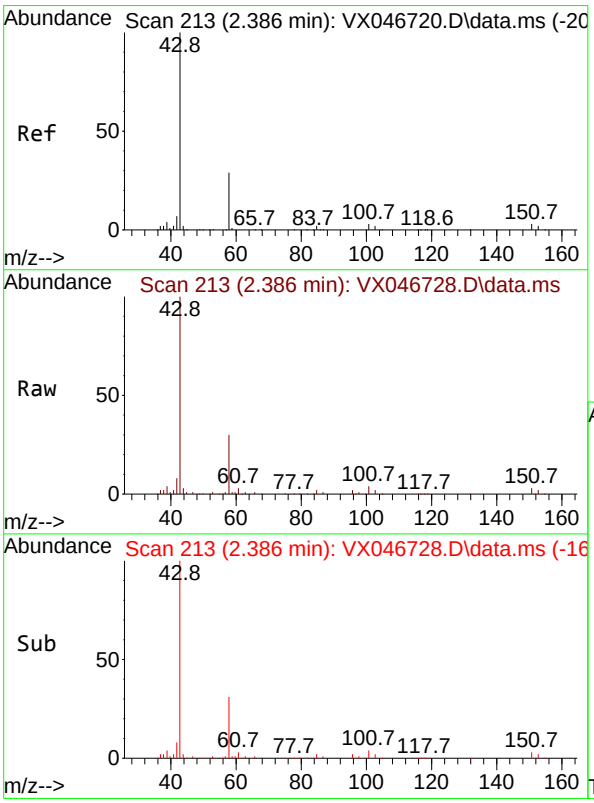

#15
Acrylonitrile
Concen: 230.626 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 197165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.6 | 65.1 | 97.7 |
| 51 | 35.7 | 28.9 | 43.3 |

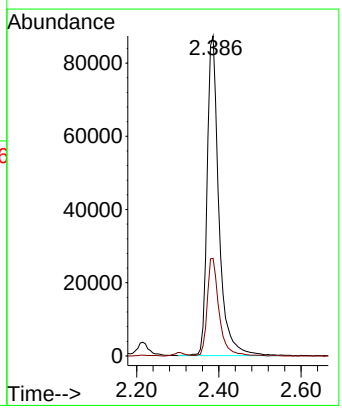


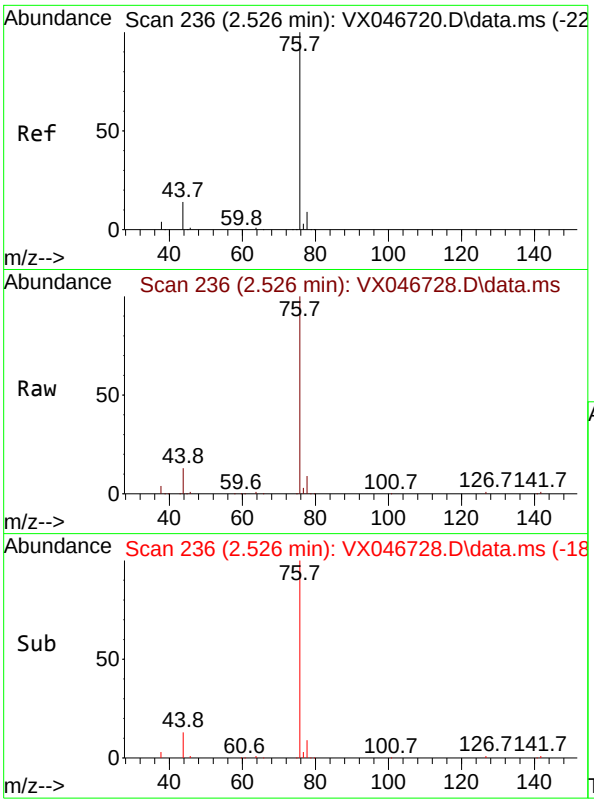




#16
Acetone
Concen: 244.395 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 172637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 24.5 | 36.7 |



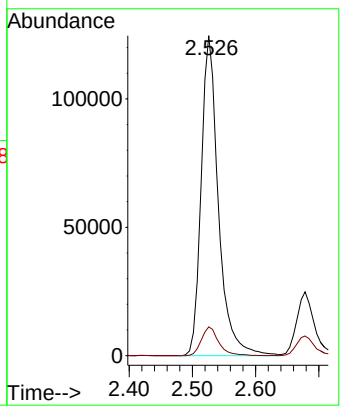


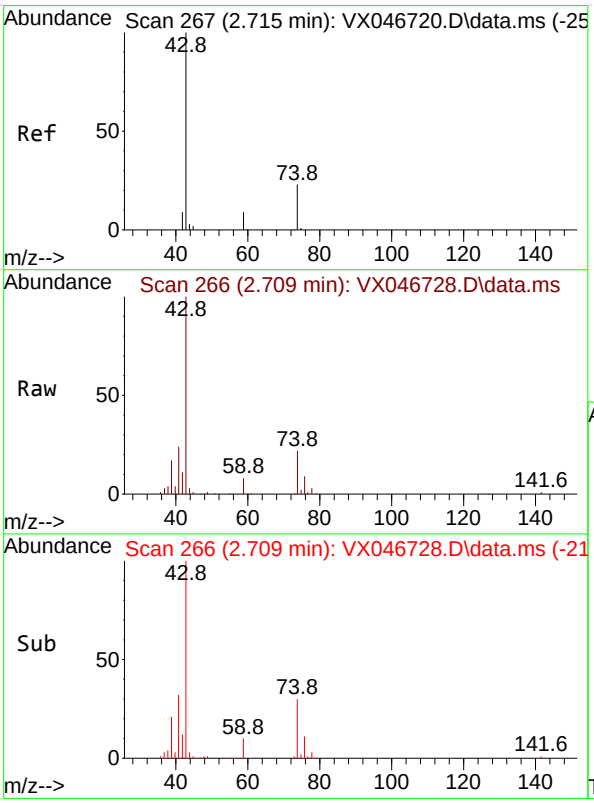

#17
Carbon Disulfide
Concen: 46.207 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 236030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.5 | 11.3 |

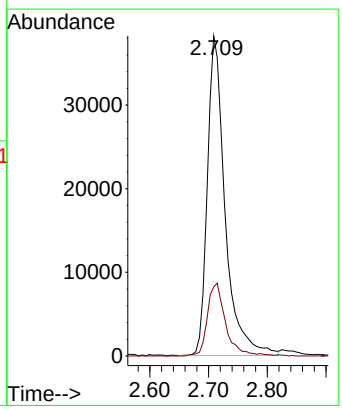


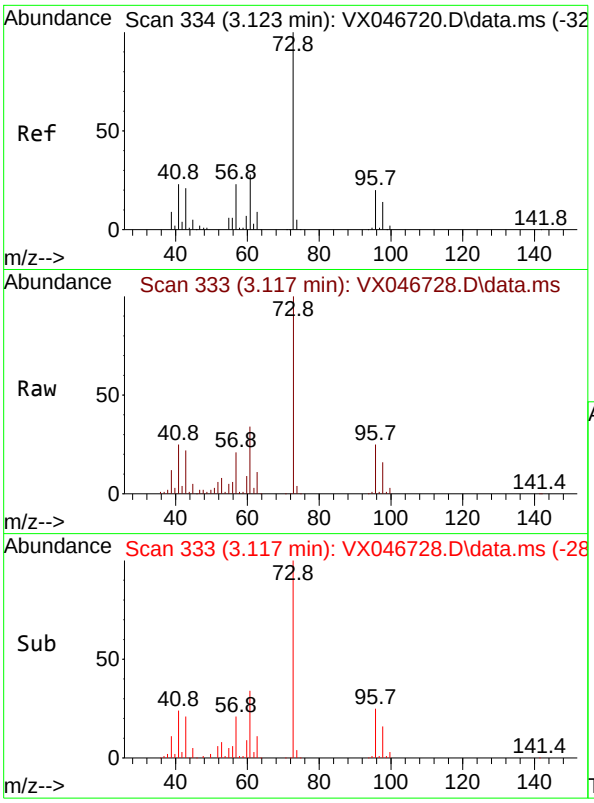




#18
Methyl Acetate
Concen: 44.781 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 80342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.4 | 27.6 |



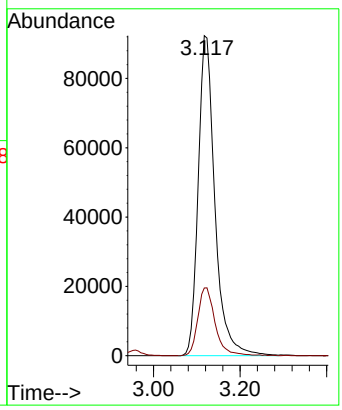


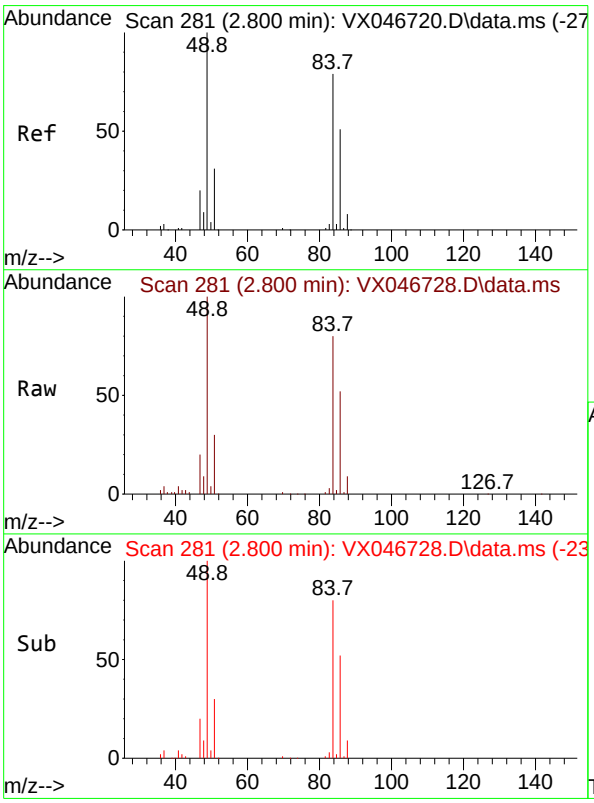

#19
Methyl tert-butyl Ether
Concen: 46.907 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 247062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 18.2 | 27.2 |

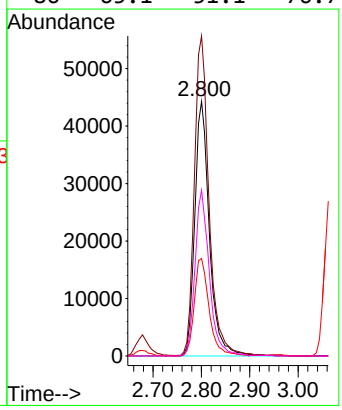


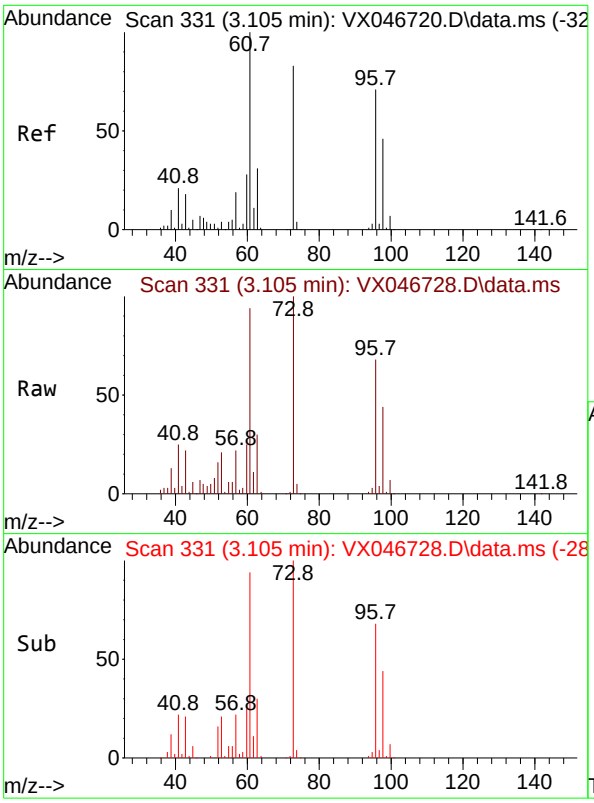




#20
Methylene Chloride
Concen: 47.205 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 84 Resp: 92732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.5 | 101.3 | 151.9 |
| 51 | 38.3 | 31.0 | 46.6 |
| 86 | 65.1 | 51.1 | 76.7 |



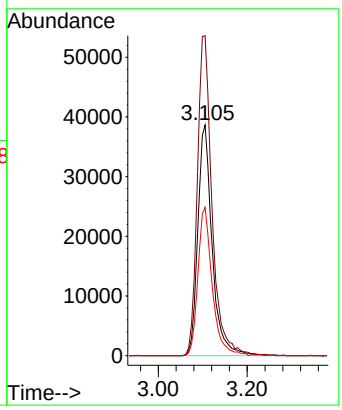


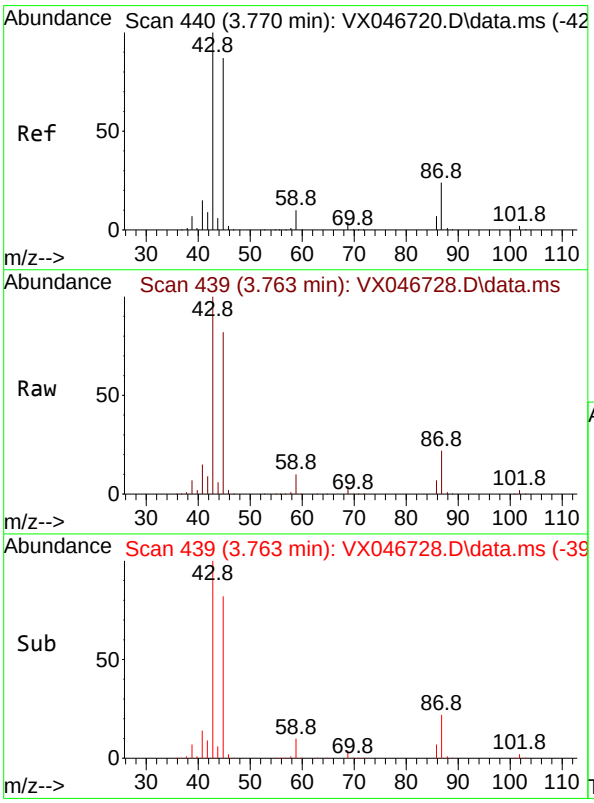

#21
trans-1,2-Dichloroethene
Concen: 48.093 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 87048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 112.5 | 168.7 |
| 98 | 64.3 | 51.9 | 77.9 |

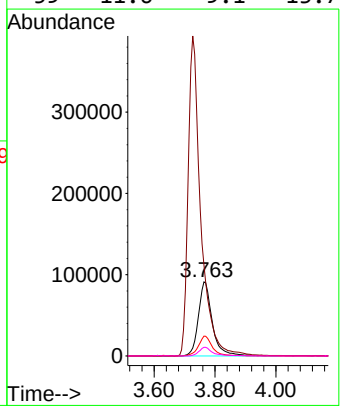


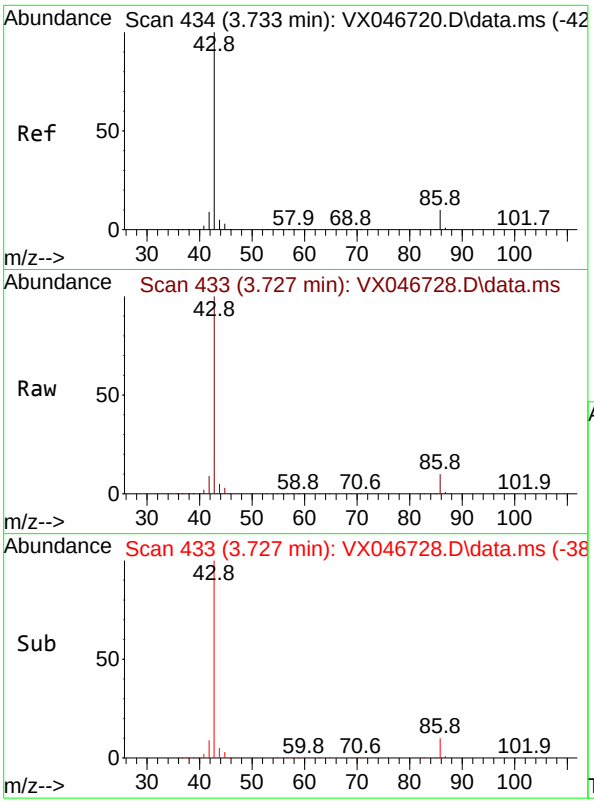




#22
Diisopropyl ether
Concen: 49.215 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 45 Resp: 289920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 122.4 | 91.9 | 137.9 |
| 87 | 26.7 | 22.0 | 33.0 |
| 59 | 11.6 | 9.1 | 13.7 |



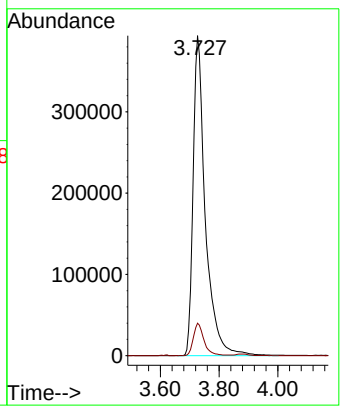


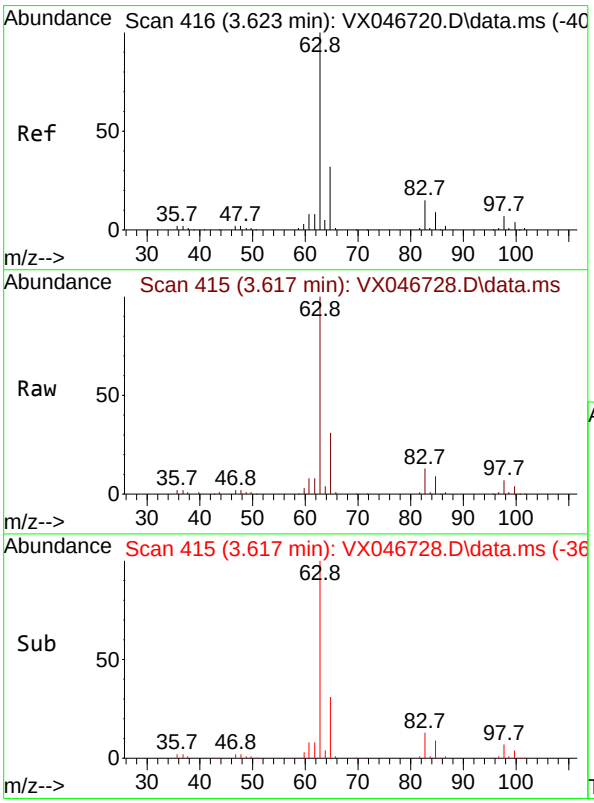

#23
Vinyl Acetate
Concen: 243.835 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1142249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

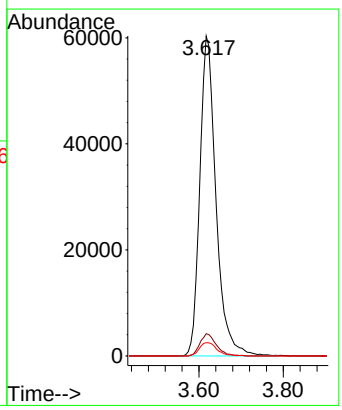


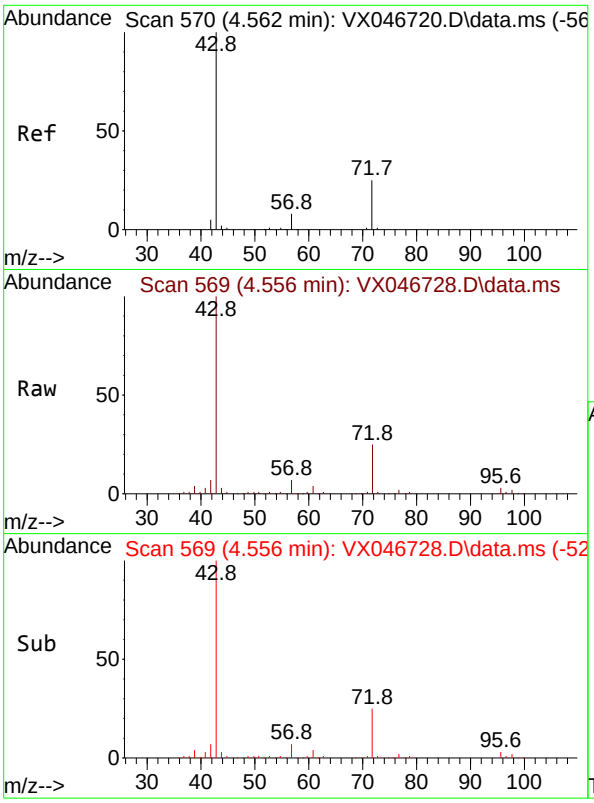




#24
1,1-Dichloroethane
Concen: 48.236 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 63 Resp: 161335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 4.0 | 11.9 |
| 100 | 4.2 | 2.2 | 6.6 |



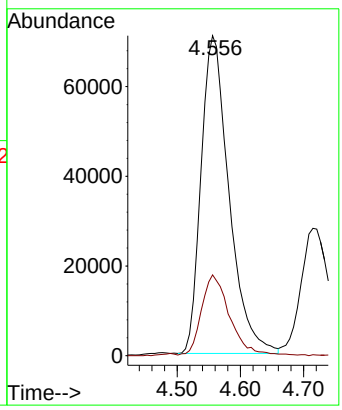


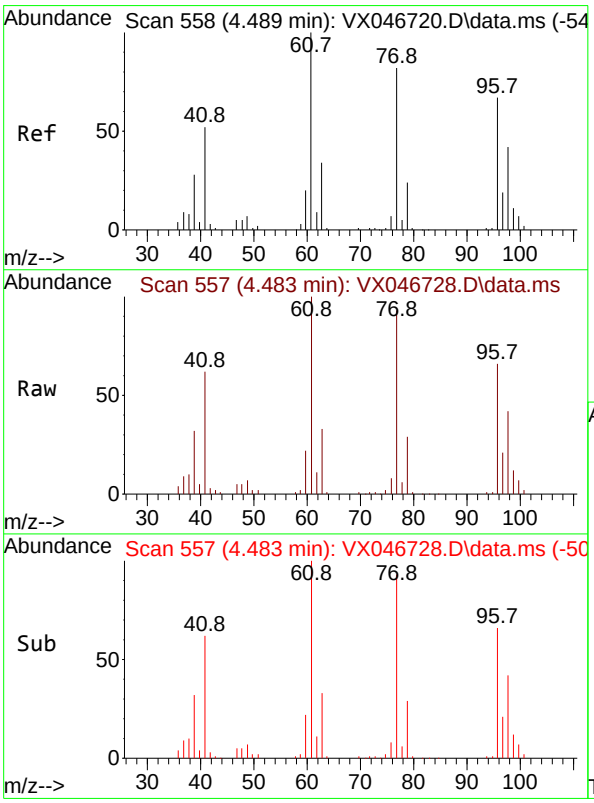

#25
2-Butanone
Concen: 217.827 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 217618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.4 |

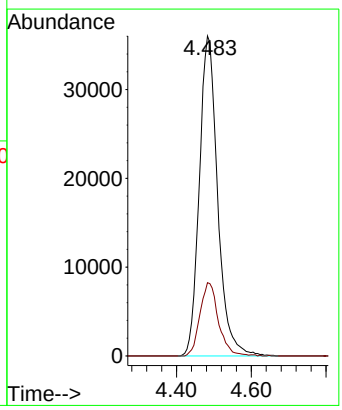


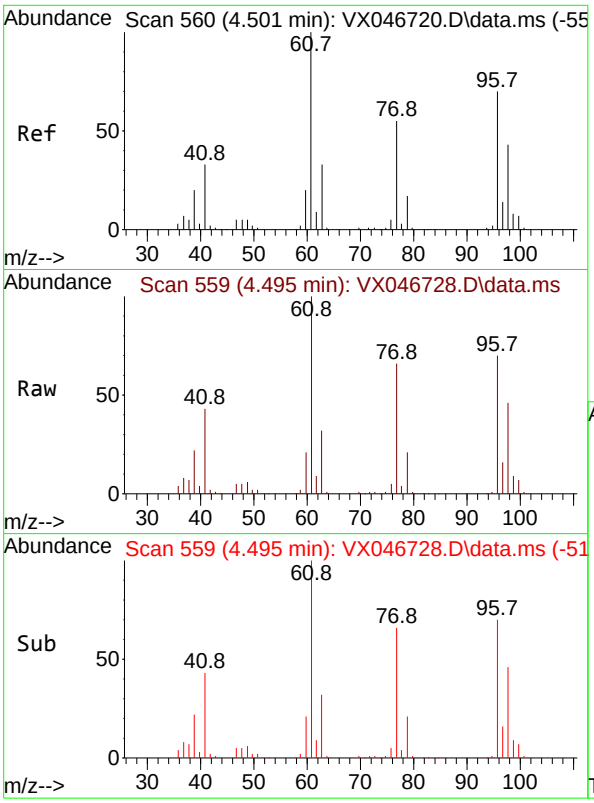




#26
2,2-Dichloropropane
Concen: 50.275 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 77 Resp: 122642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.0 | 11.8 | 35.3 |



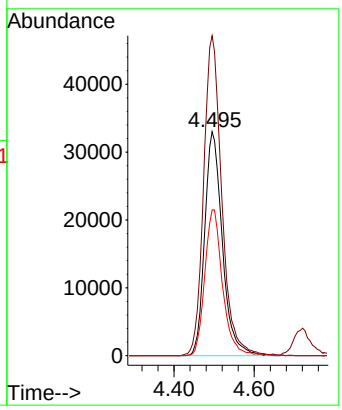


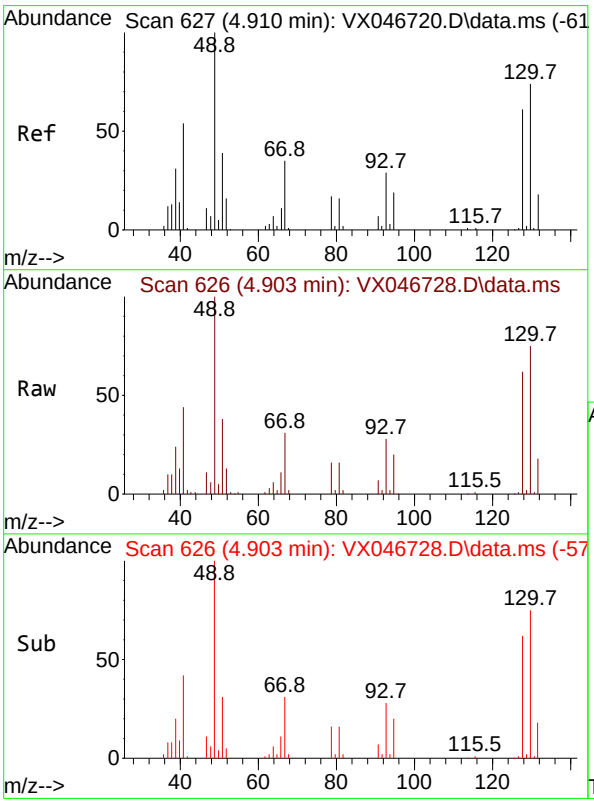

#27
cis-1,2-Dichloroethene
Concen: 47.512 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 101031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.3 | 0.0 | 291.0 |
| 98 | 65.3 | 0.0 | 126.8 |

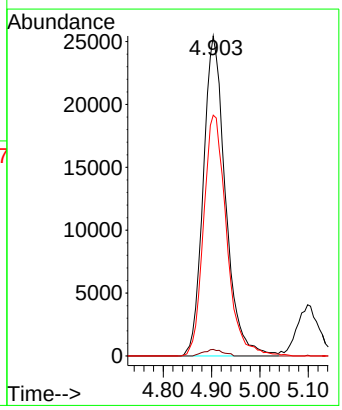


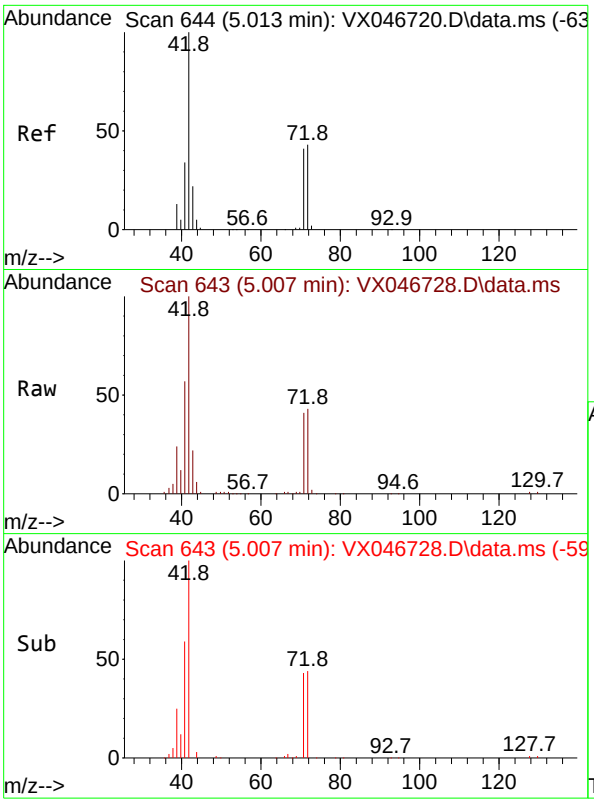




#28
Bromochloromethane
Concen: 53.494 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 49 Resp: 81116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.8 |
| 130 | 78.0 | 61.4 | 92.0 |



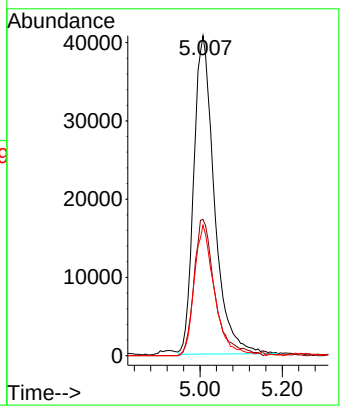


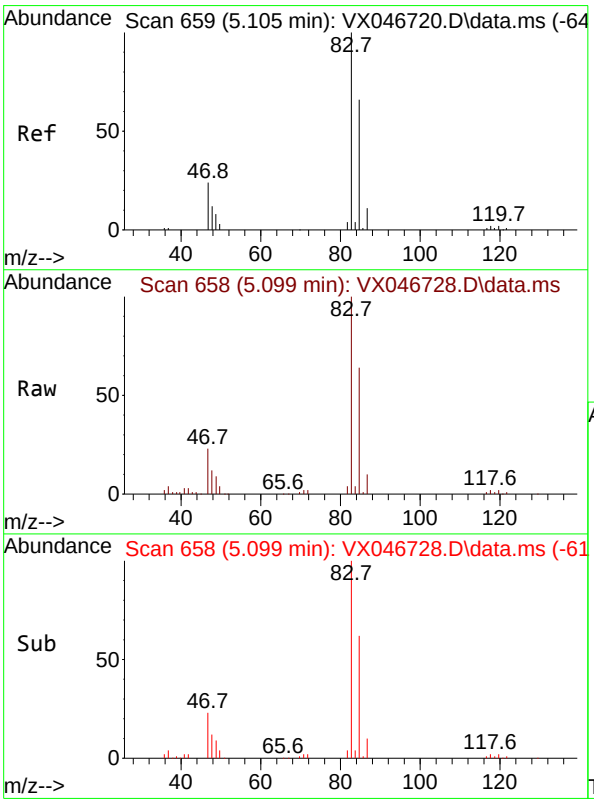

#29
Tetrahydrofuran
Concen: 219.377 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 141562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 34.9 | 52.3 |
| 71 | 40.1 | 32.2 | 48.2 |

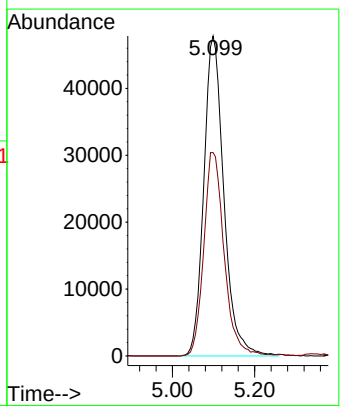


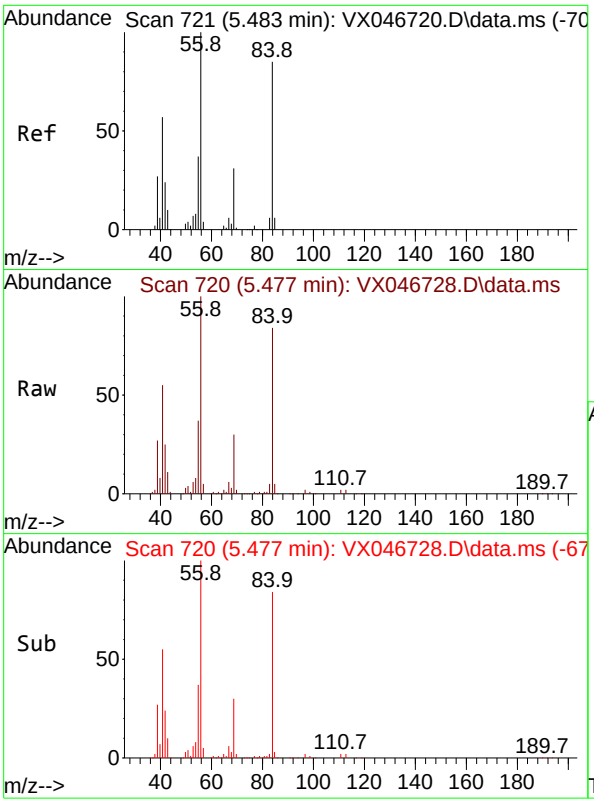




#30
Chloroform
Concen: 48.377 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 83 Resp: 161817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 53.7 | 80.5 |



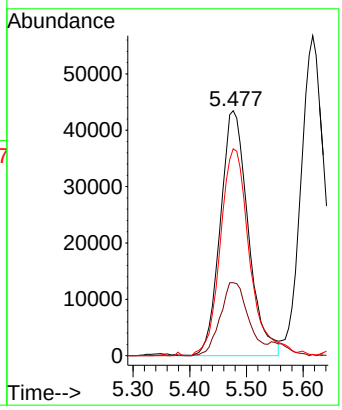


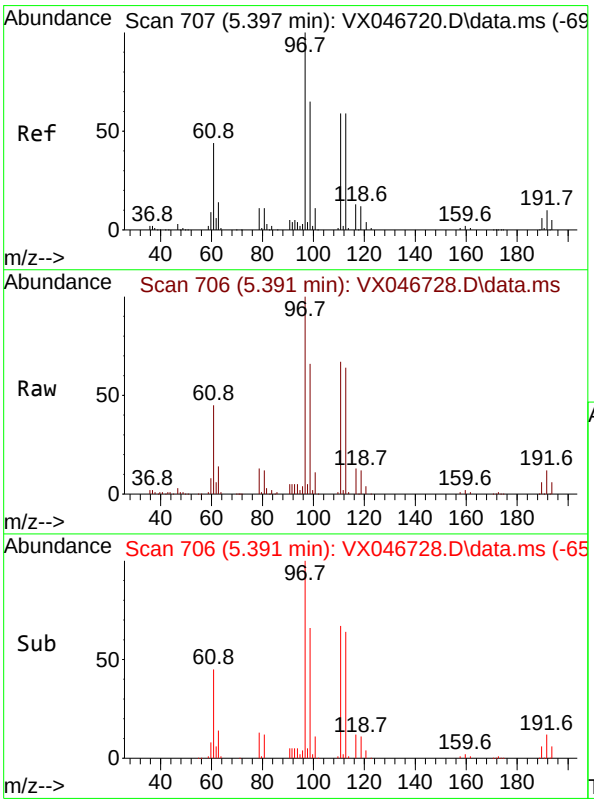

#31
Cyclohexane
Concen: 46.830 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 148538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 24.8 | 37.2 |
| 84 | 82.7 | 68.2 | 102.2 |

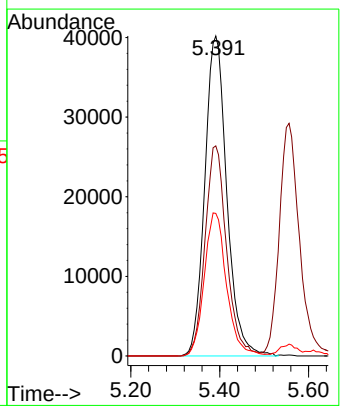


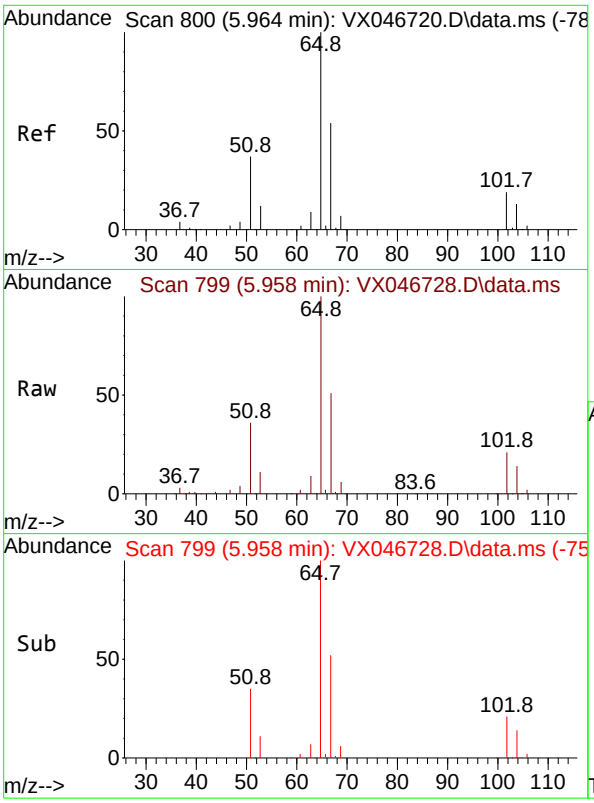




#32
1,1,1-Trichloroethane
Concen: 47.262 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 97 Resp: 138647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.3 | 76.9 |
| 61 | 45.2 | 36.4 | 54.6 |



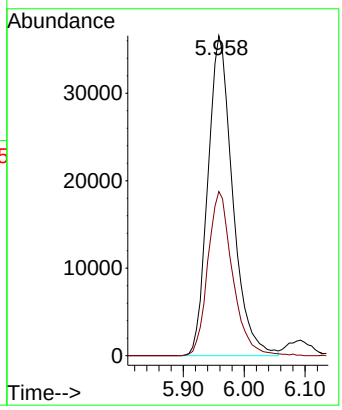


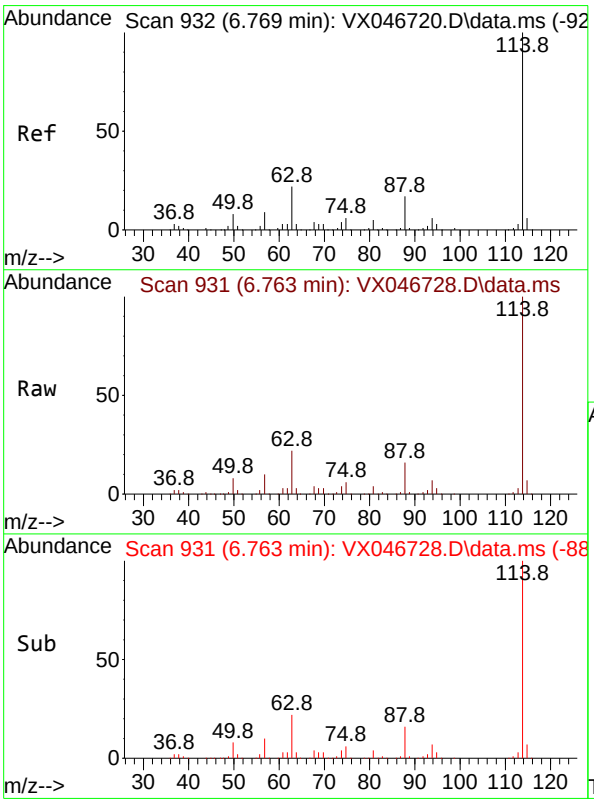

#33
1,2-Dichloroethane-d4
Concen: 48.871 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 103522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 105.4 |

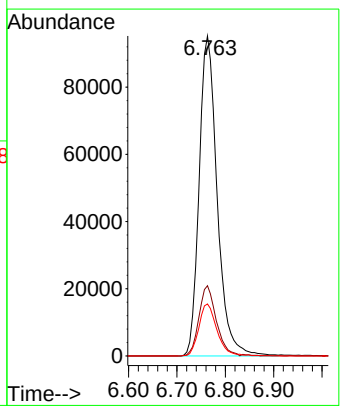


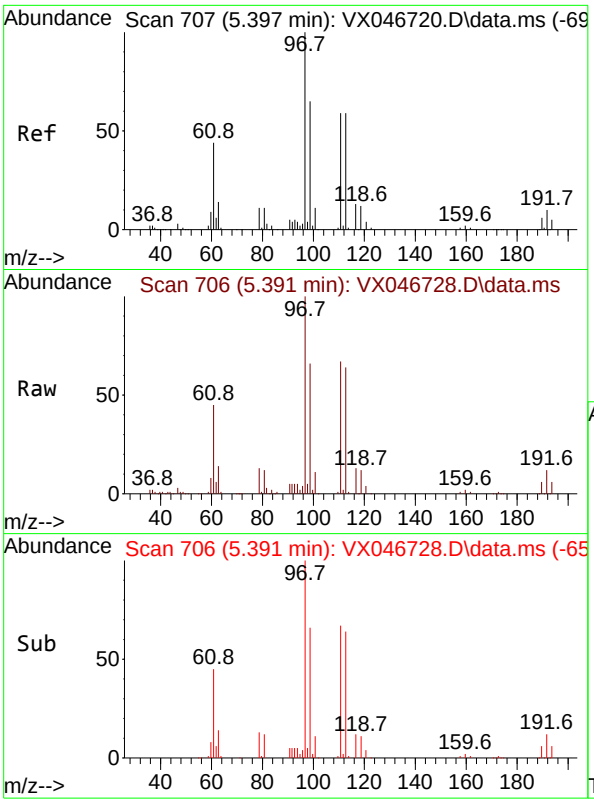




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:114 Resp: 247293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |



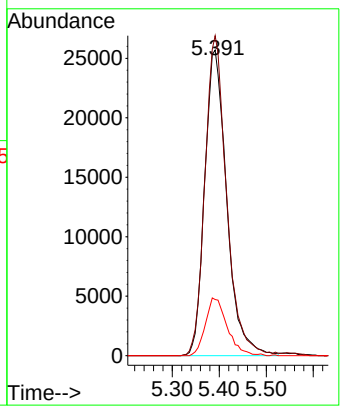


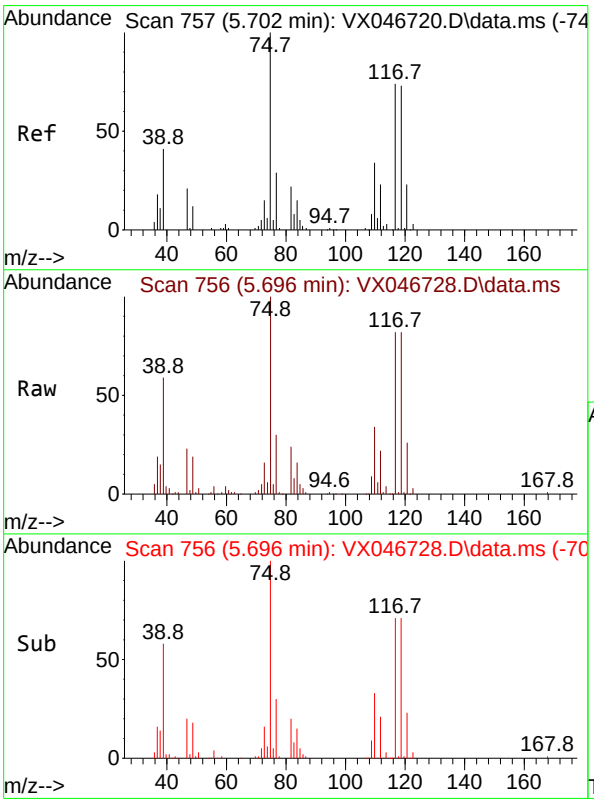

#35
Dibromofluoromethane
Concen: 51.320 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 83969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.0 | 123.0 |
| 192 | 18.7 | 15.3 | 22.9 |

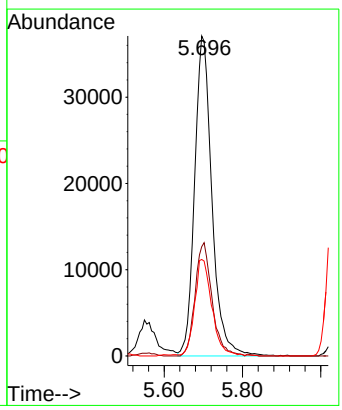


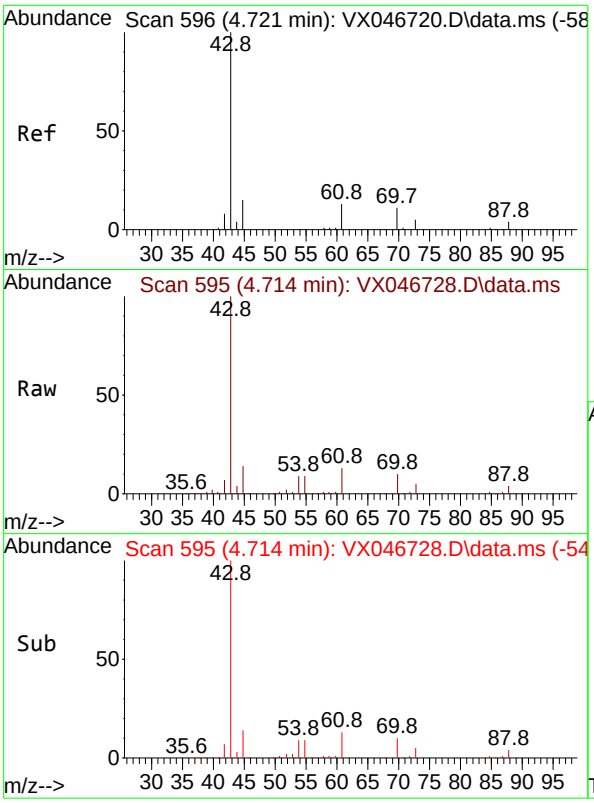




#36
1,1-Dichloropropene
Concen: 48.312 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 114107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.2 | 51.5 |
| 77 | 30.4 | 24.2 | 36.4 |



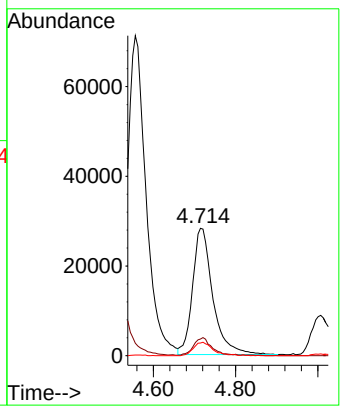


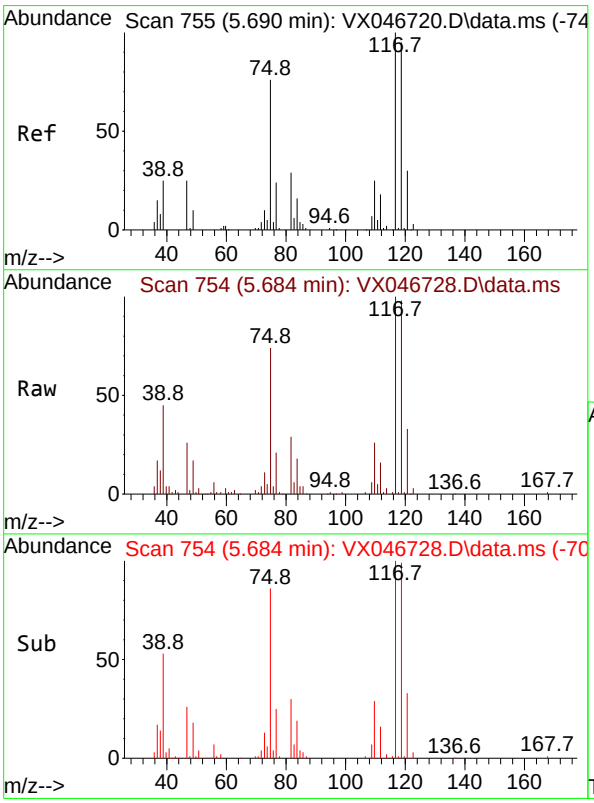

#37
Ethyl Acetate
Concen: 44.108 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 96161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |

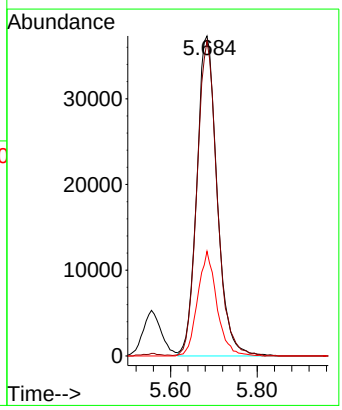


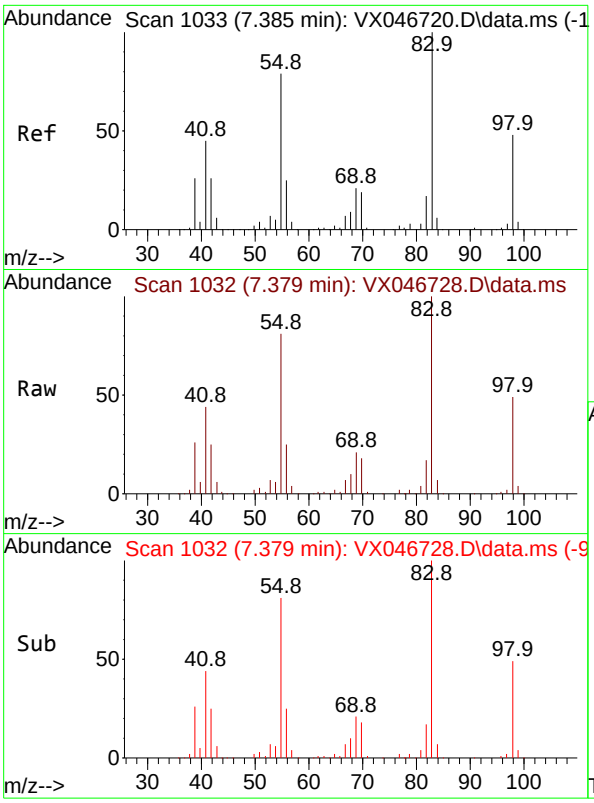




#38
Carbon Tetrachloride
Concen: 47.537 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:117 Resp: 121848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.3 | 75.2 | 112.8 |
| 121 | 32.7 | 24.1 | 36.1 |



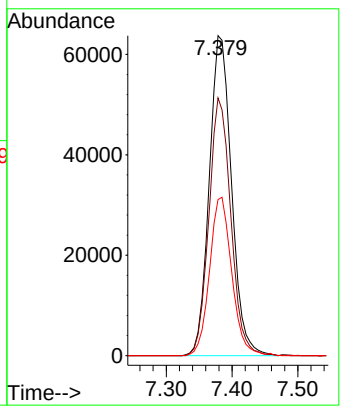


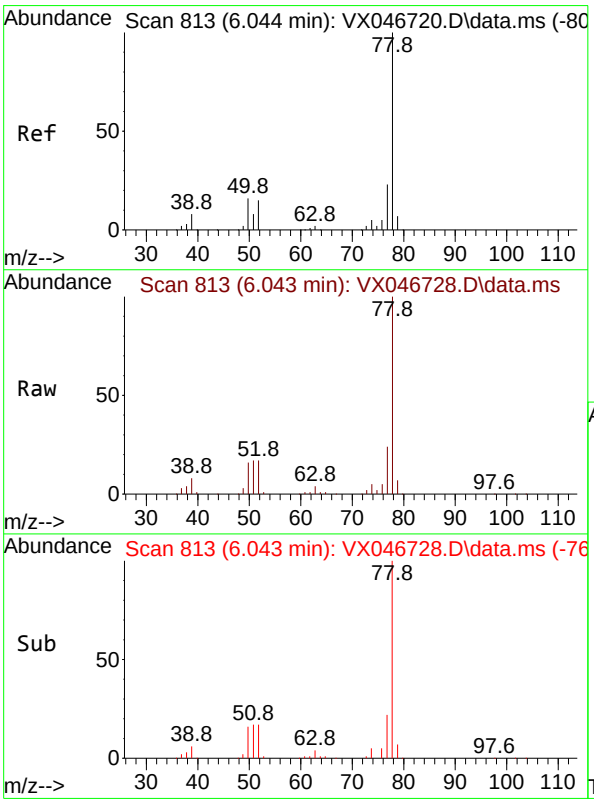

#39
Methylcyclohexane
Concen: 48.402 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 150437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.6 | 63.0 | 94.4 |
| 98 | 48.8 | 38.8 | 58.2 |

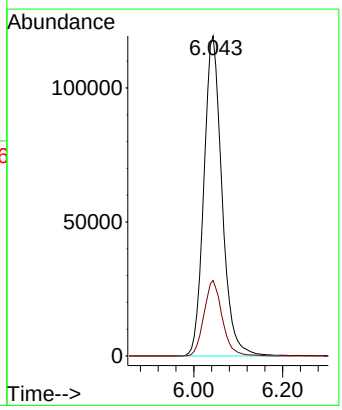


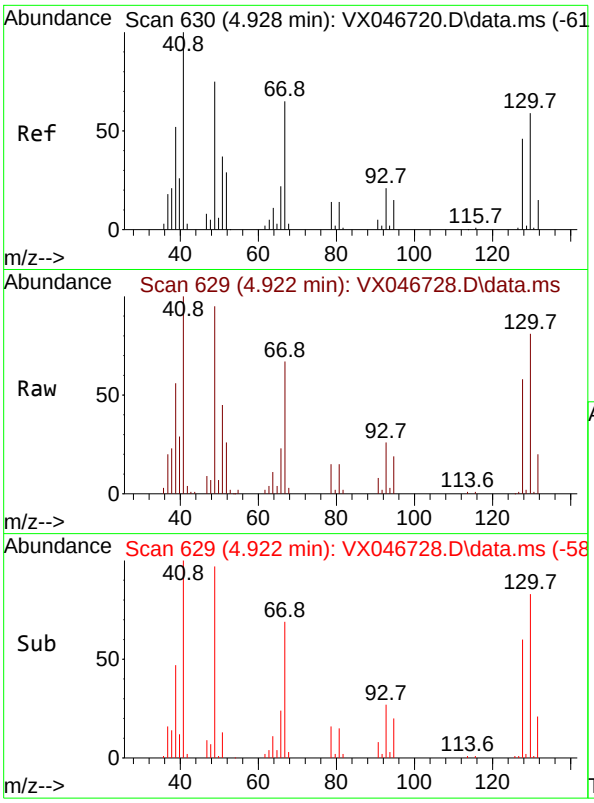




#40
Benzene
Concen: 48.414 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 78 Resp: 338410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 18.8 | 28.2 |



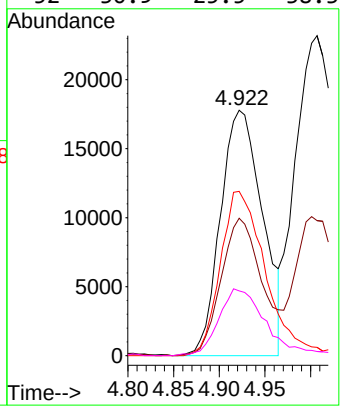


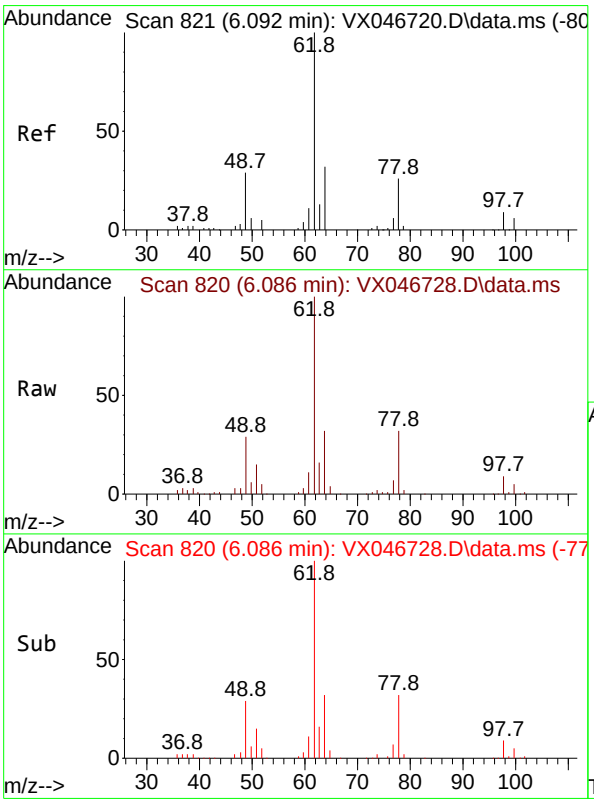

#41
Methacrylonitrile
Concen: 49.115 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 57085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.0 | 45.9 | 68.9 |
| 67 | 72.4 | 61.2 | 91.8 |
| 52 | 30.9 | 25.5 | 38.3 |

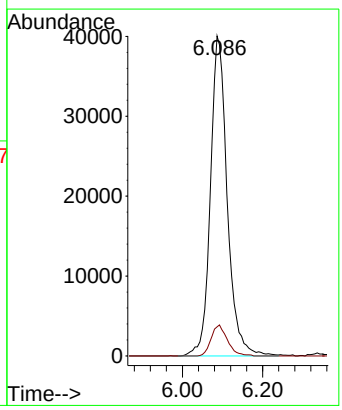


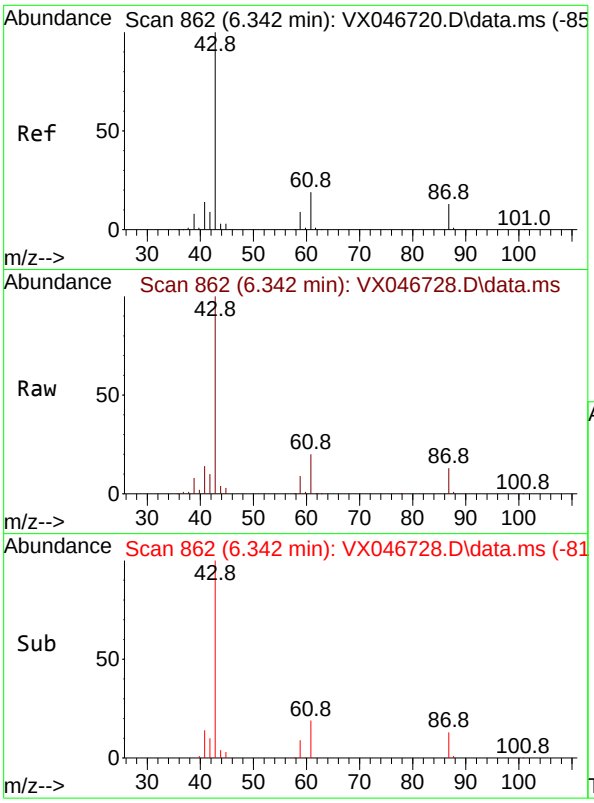




#42
1,2-Dichloroethane
Concen: 47.481 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 62 Resp: 116628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.4 | 0.0 | 17.8 |



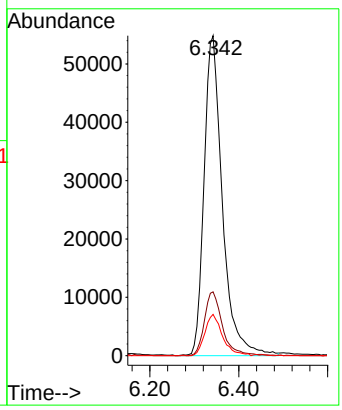


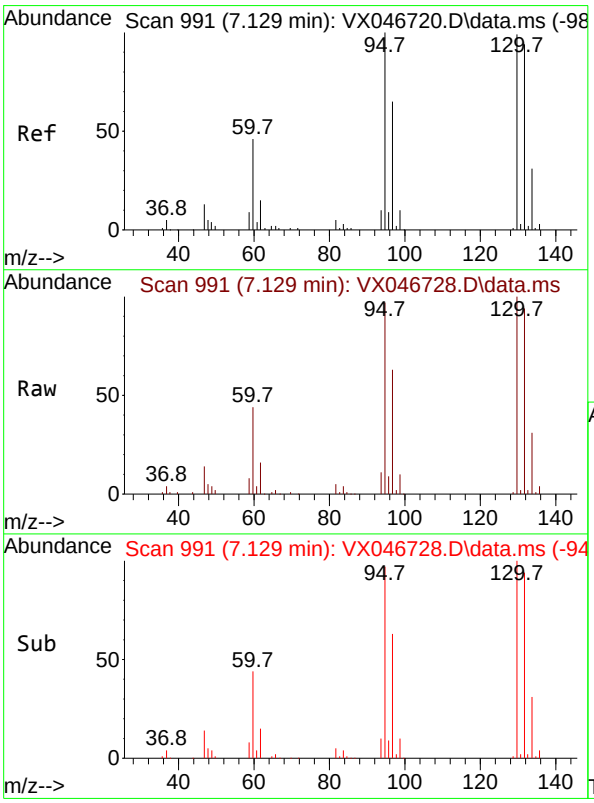

#43
Isopropyl Acetate
Concen: 46.196 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 157598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.7 | 15.3 | 22.9 |
| 87 | 12.4 | 10.0 | 15.0 |

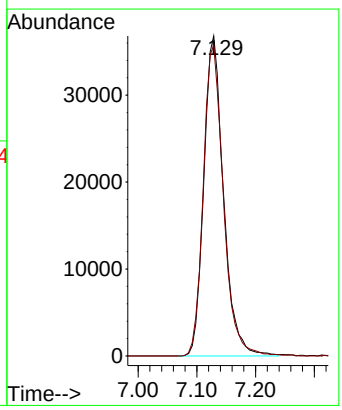


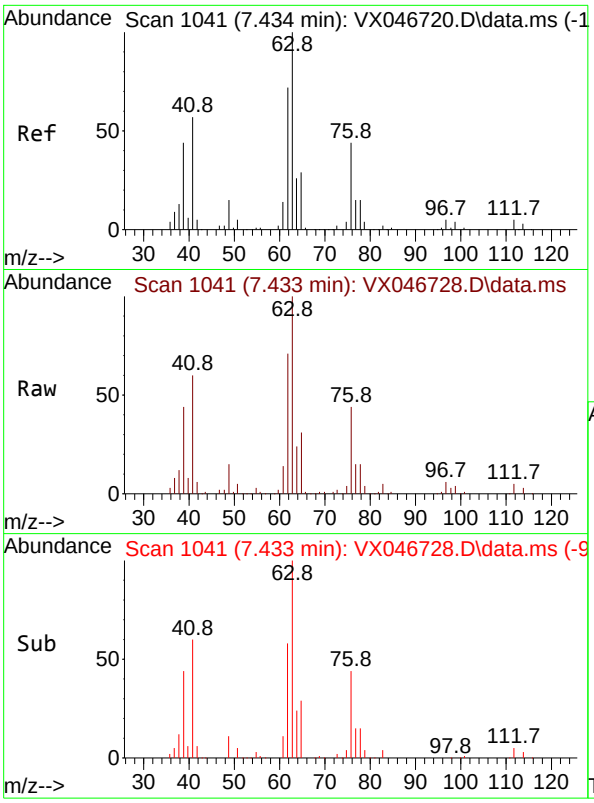




#44
Trichloroethene
Concen: 48.105 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:130 Resp: 85692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.1 | 0.0 | 202.6 |



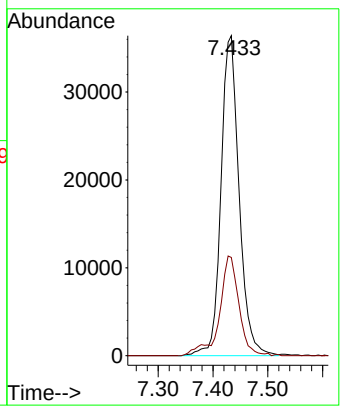


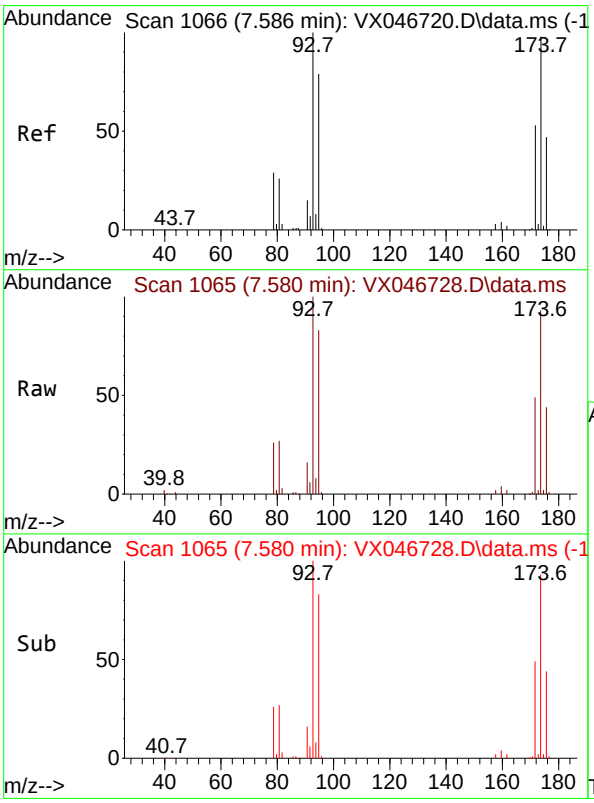

#45
1,2-Dichloropropane
Concen: 48.335 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 83732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 22.9 | 34.3 |

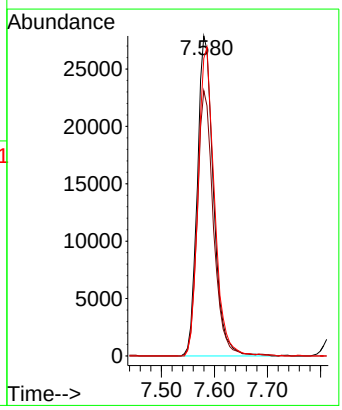


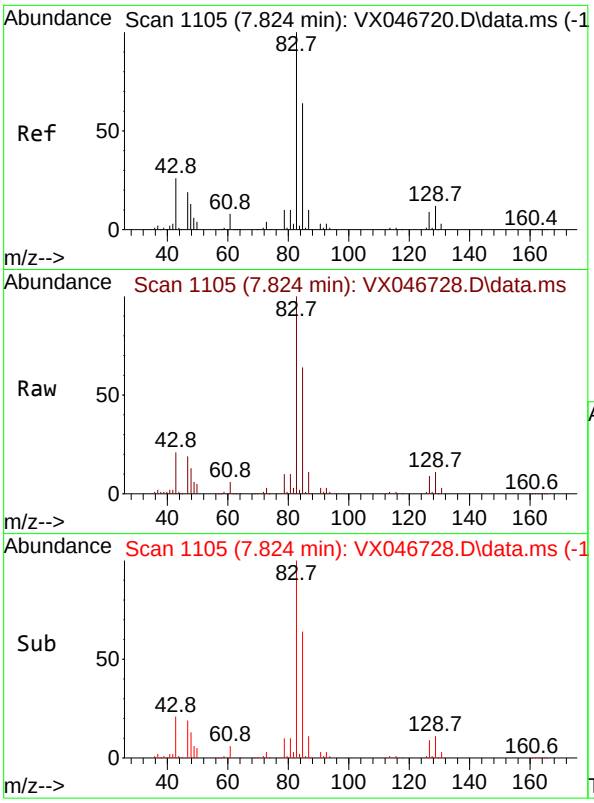




#46
Dibromomethane
Concen: 47.472 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 93 Resp: 59103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 66.2 | 99.4 |
| 174 | 96.4 | 77.0 | 115.6 |



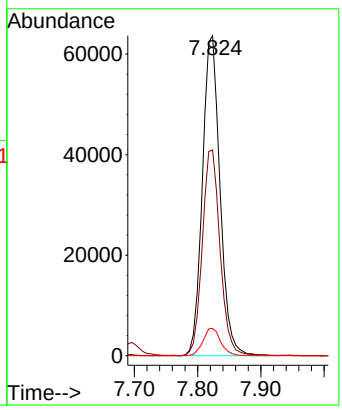


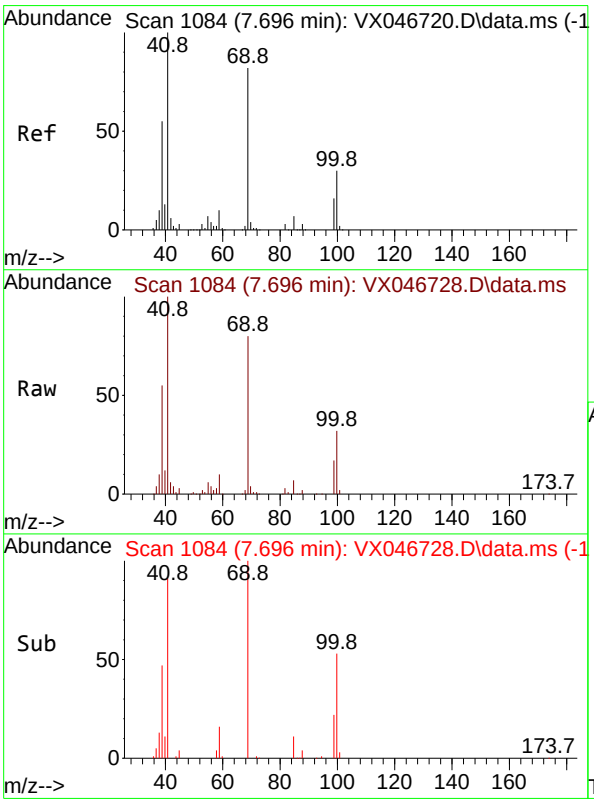

#47
Bromodichloromethane
Concen: 48.587 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 123442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |

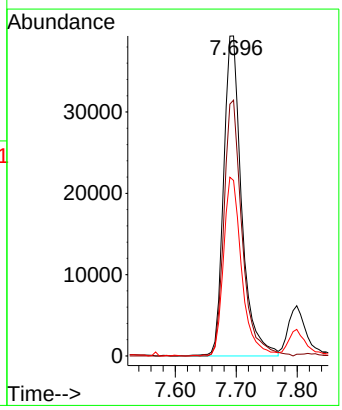


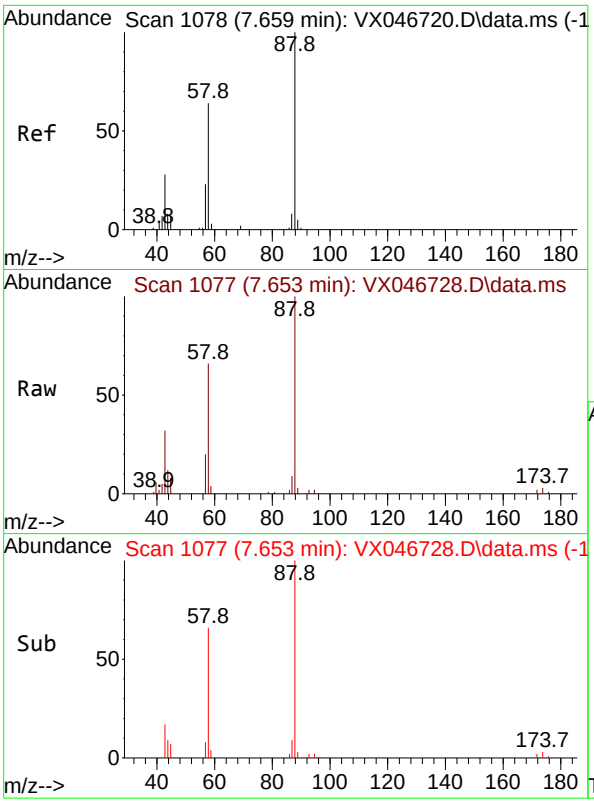




#48
Methyl methacrylate
Concen: 47.322 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 41 Resp: 80965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 63.4 | 95.2 |
| 39 | 56.3 | 45.4 | 68.0 |



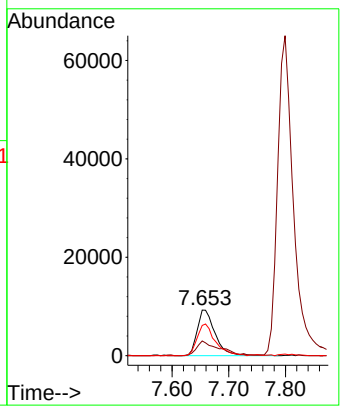


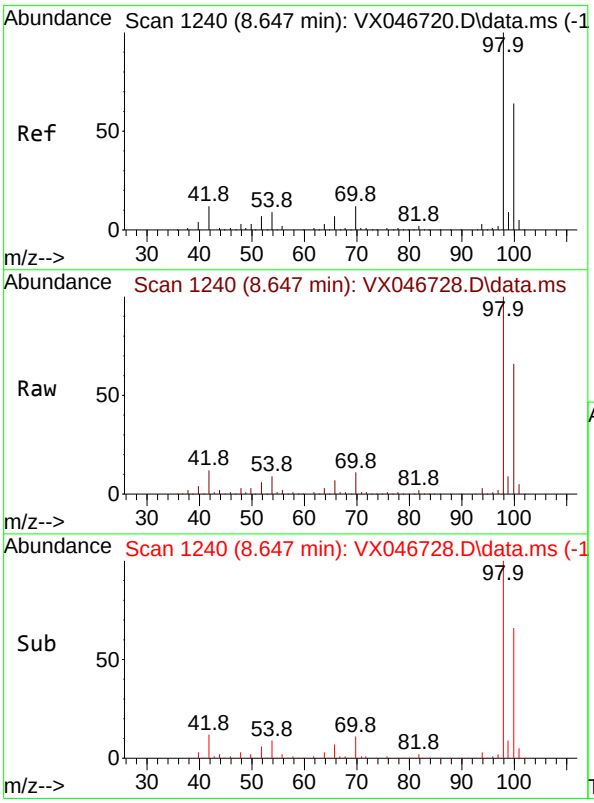

#49
1,4-Dioxane
Concen: 817.840 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 20224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.3 | 31.2 | 46.8 |
| 58 | 70.2 | 54.7 | 82.1 |

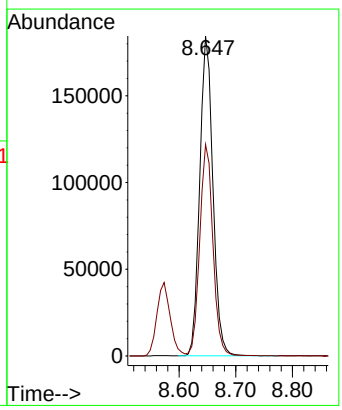


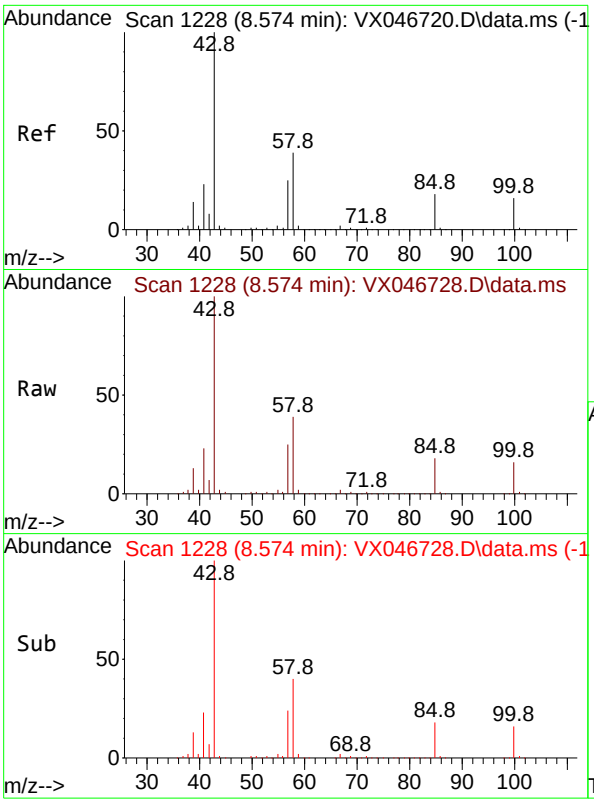




#50
Toluene-d8
Concen: 50.561 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 98 Resp: 297216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |



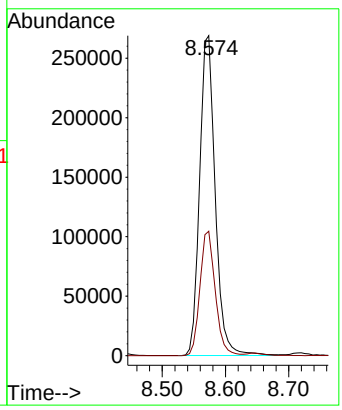


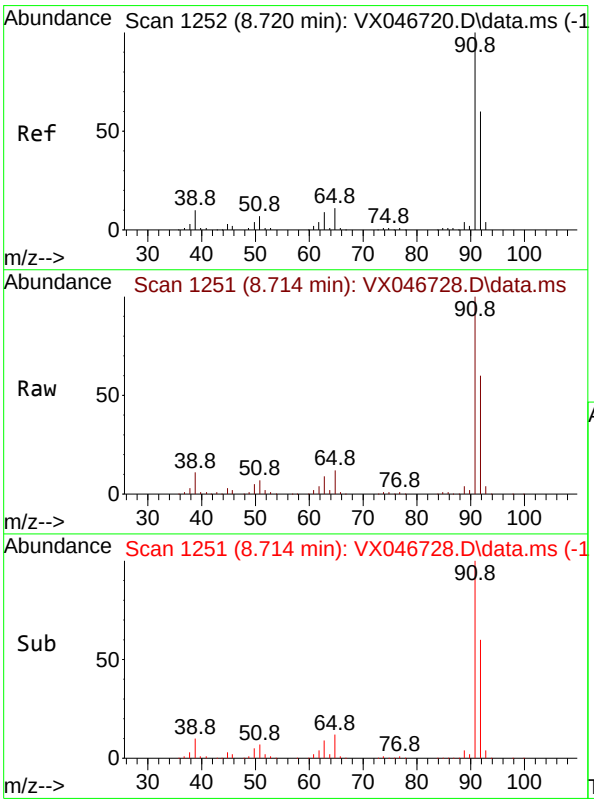

#51
4-Methyl-2-Pentanone
Concen: 227.118 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 462115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |

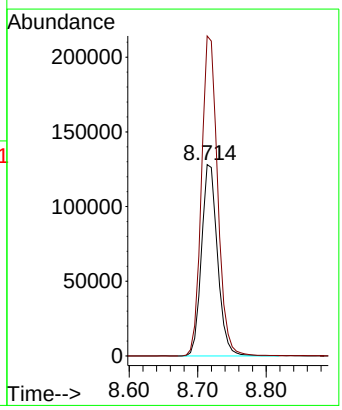


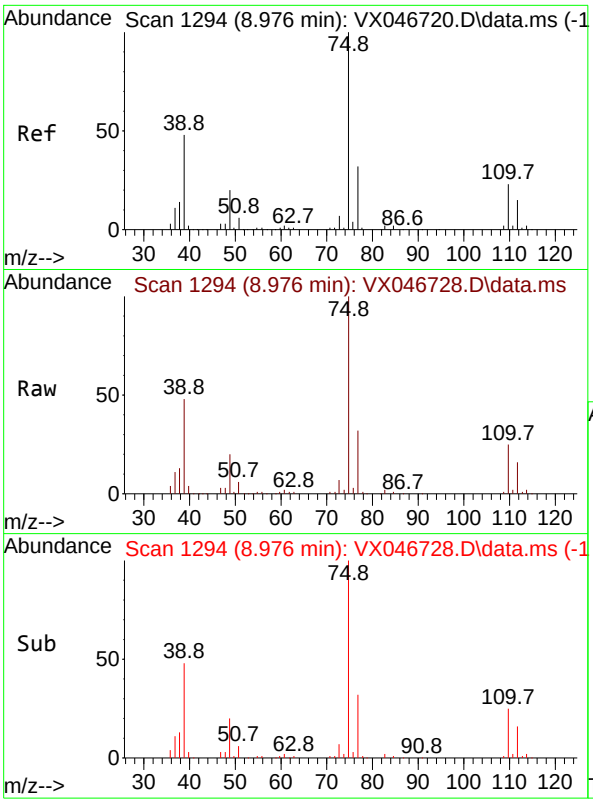




#52
Toluene
Concen: 48.176 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 92 Resp: 208762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 134.8 | 202.2 |



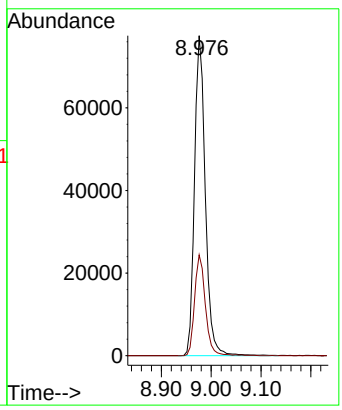


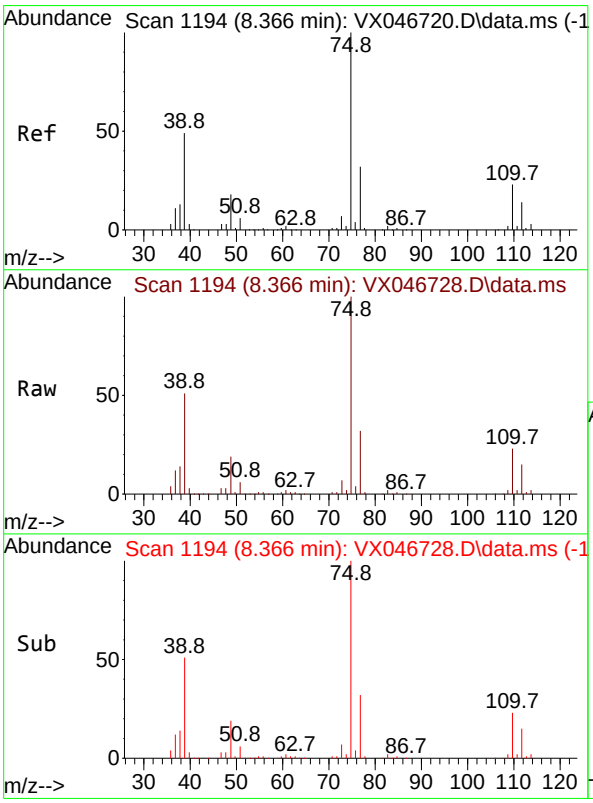

#53
t-1,3-Dichloropropene
Concen: 49.516 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 116724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.6 | 38.4 |

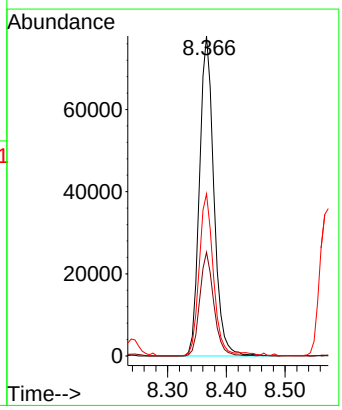


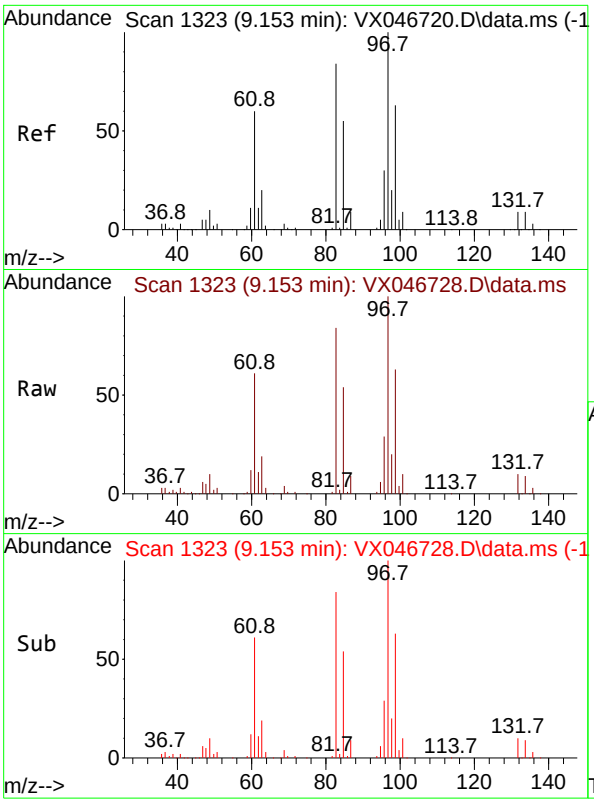




#54
cis-1,3-Dichloropropene
Concen: 49.396 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 132187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.3 | 37.9 |
| 39 | 50.6 | 39.2 | 58.8 |



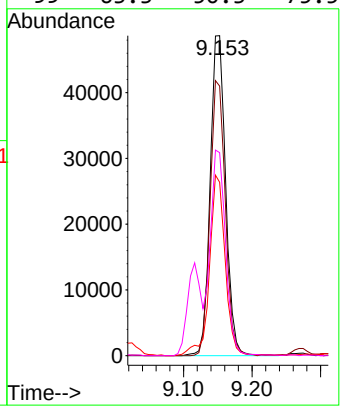


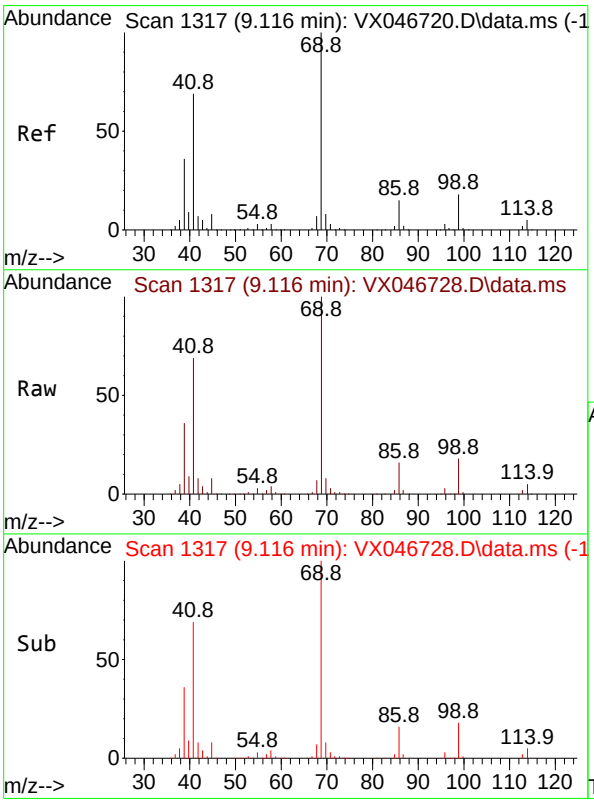

#55
1,1,2-Trichloroethane
Concen: 47.325 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 76422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.3 | 67.2 | 100.8 |
| 85 | 54.0 | 44.1 | 66.1 |
| 99 | 63.3 | 50.3 | 75.5 |

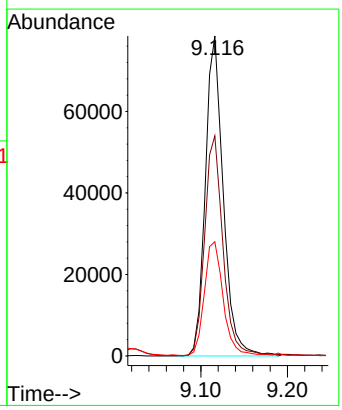


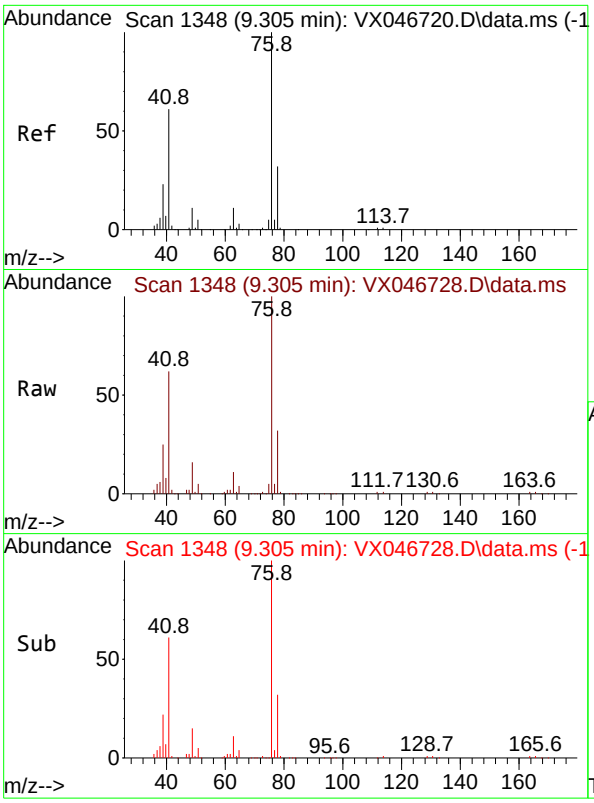




#56
Ethyl methacrylate
Concen: 47.362 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 69 Resp: 112902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |



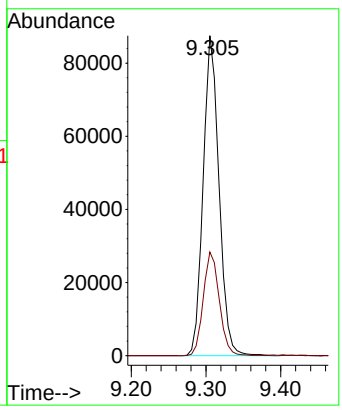


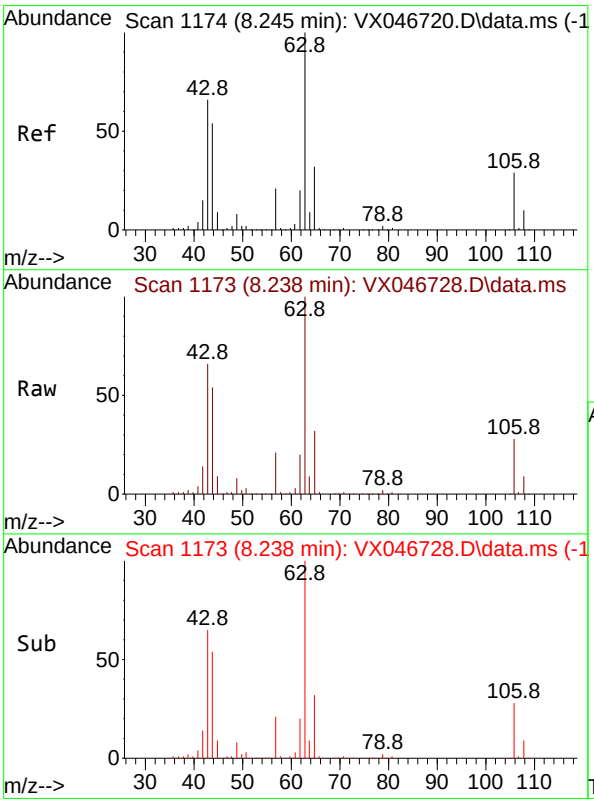

#57
1,3-Dichloropropane
Concen: 46.323 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 128820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 25.7 | 38.5 |

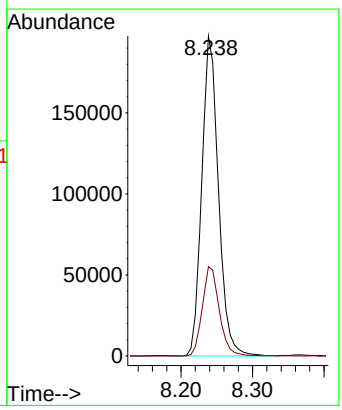


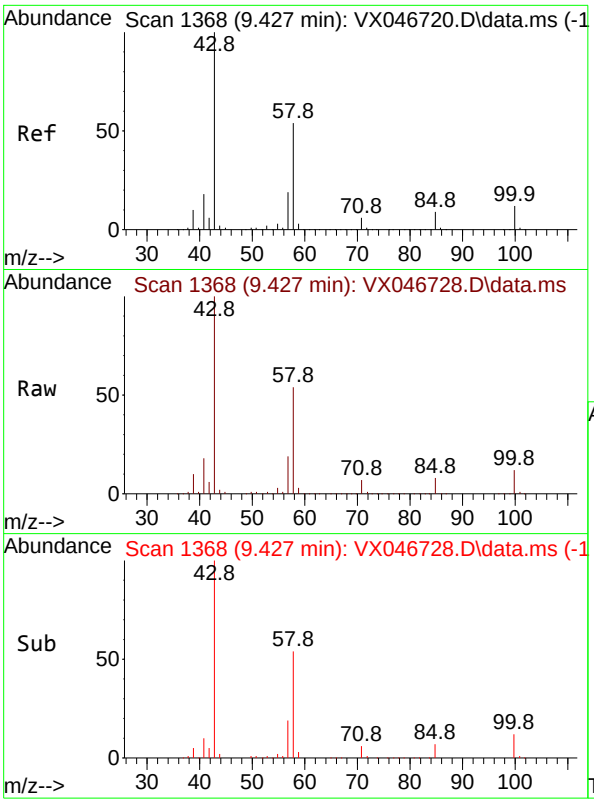




#58
2-Chloroethyl Vinyl ether
Concen: 257.912 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 63 Resp: 319370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |



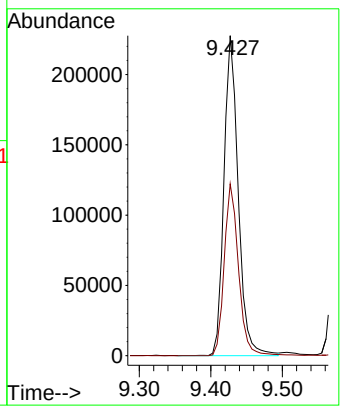


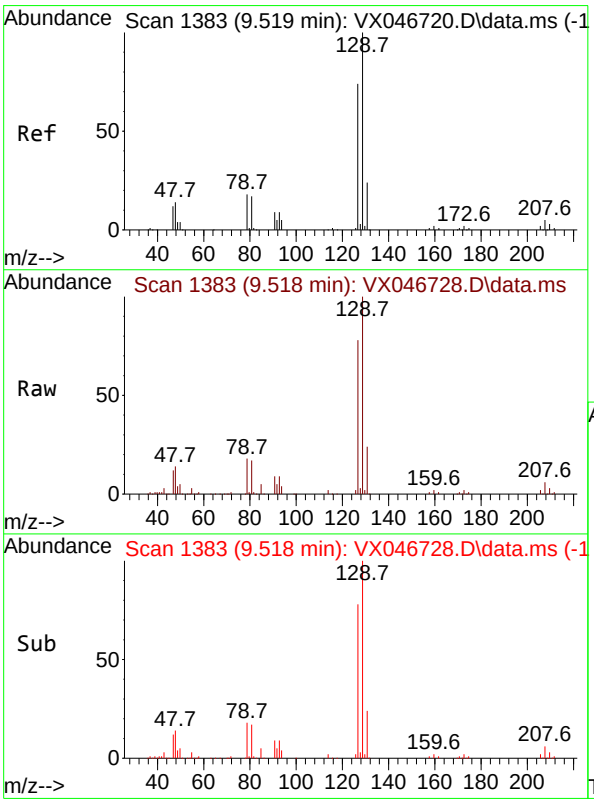

#59
2-Hexanone
Concen: 224.819 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 316244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 26.8 | 80.4 |

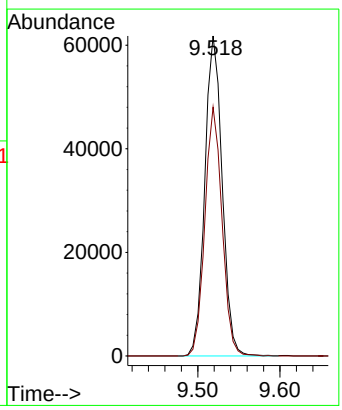


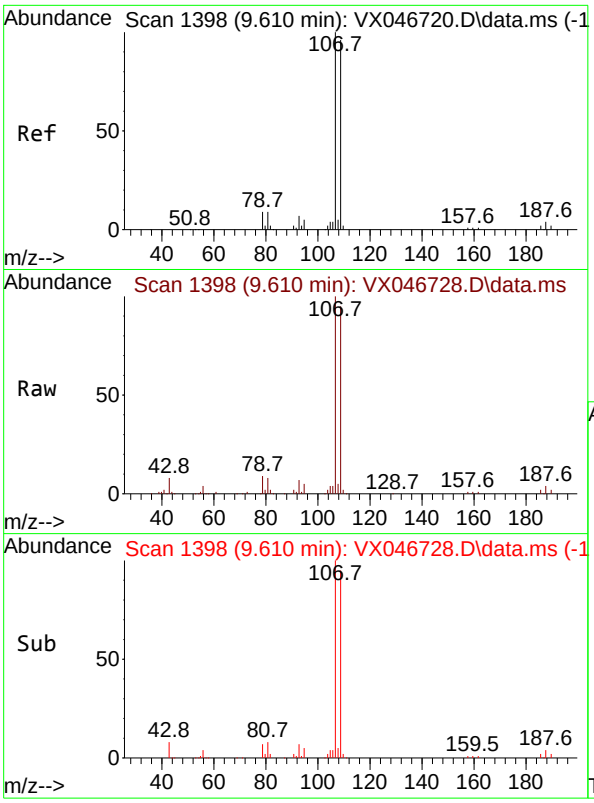




#60
Dibromochloromethane
Concen: 47.662 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:129 Resp: 90703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.7 | 38.4 | 115.2 |



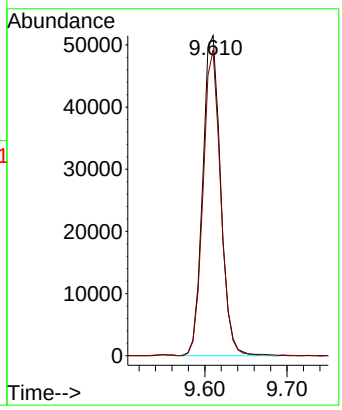


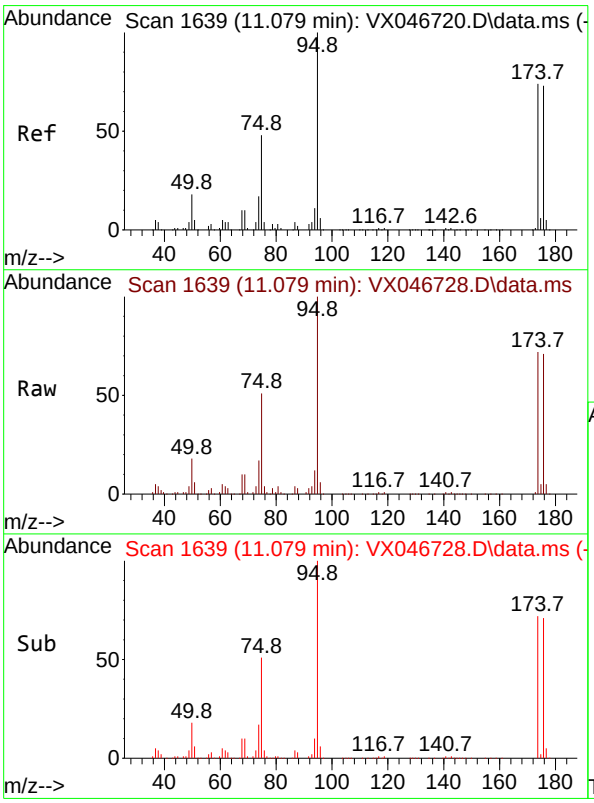

#61
1,2-Dibromoethane
Concen: 47.518 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 78054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.8 | 113.6 |

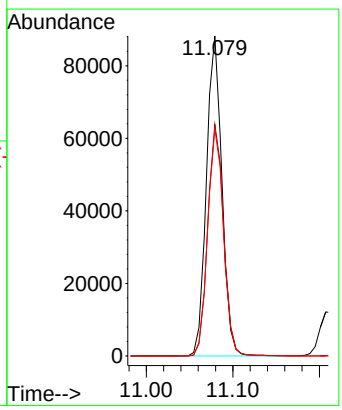


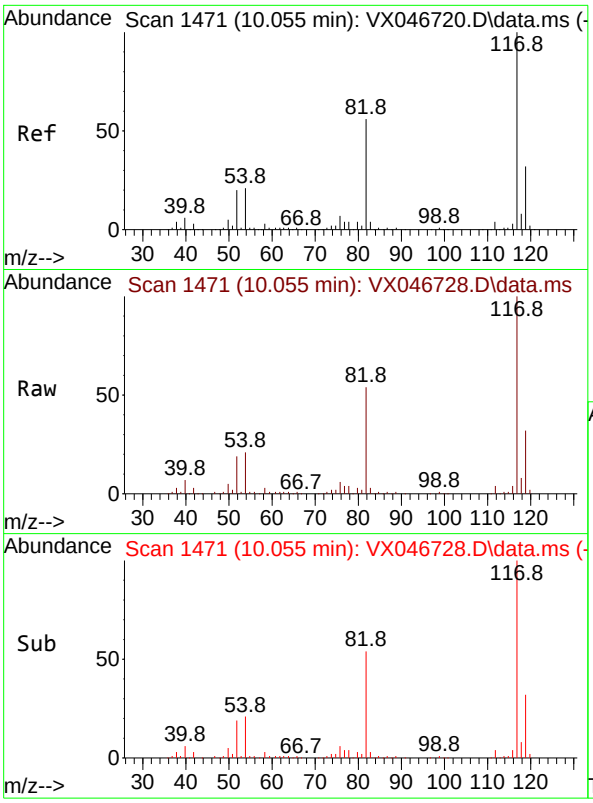




#62
4-Bromofluorobenzene
Concen: 49.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 95 Resp: 109436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |



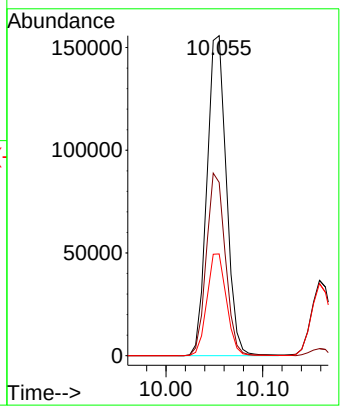


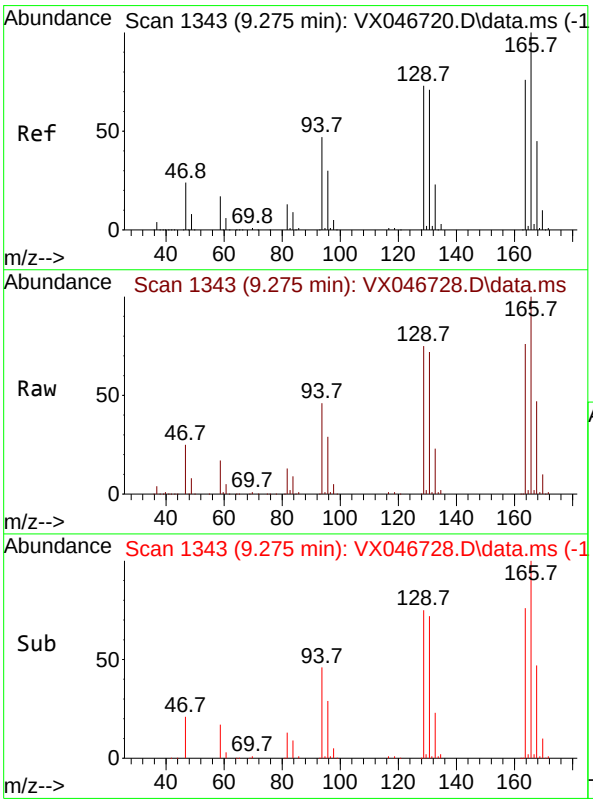

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 216990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 44.6 | 66.8 |
| 119 | 31.8 | 25.8 | 38.8 |

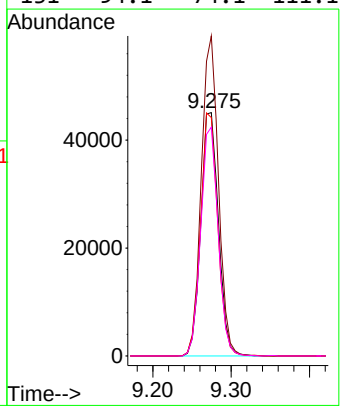


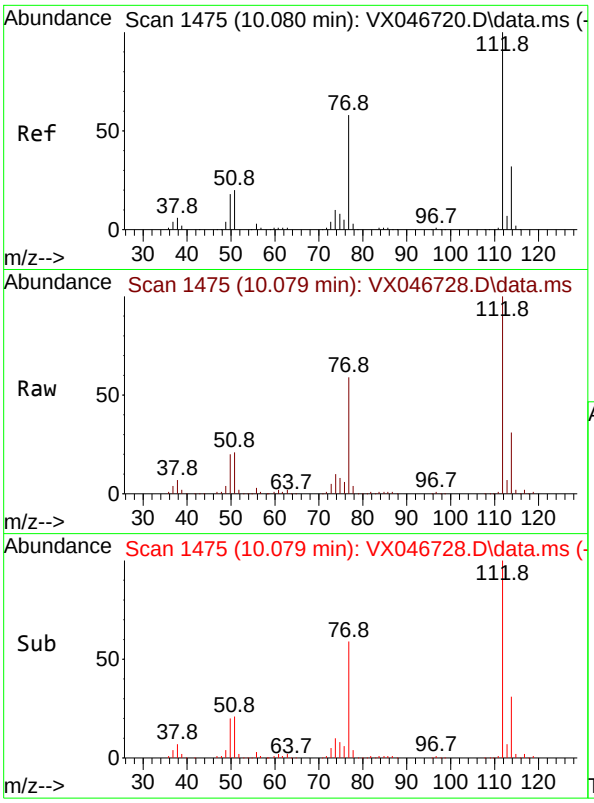




#64
Tetrachloroethene
Concen: 46.765 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:164 Resp: 70305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.5 | 104.6 | 157.0 |
| 129 | 98.0 | 76.3 | 114.5 |
| 131 | 94.1 | 74.1 | 111.1 |



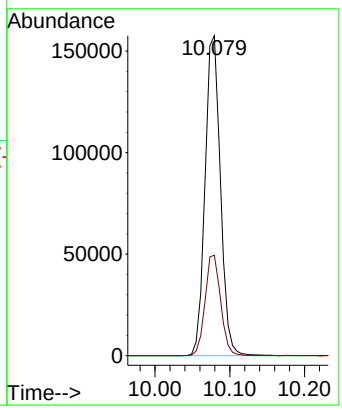


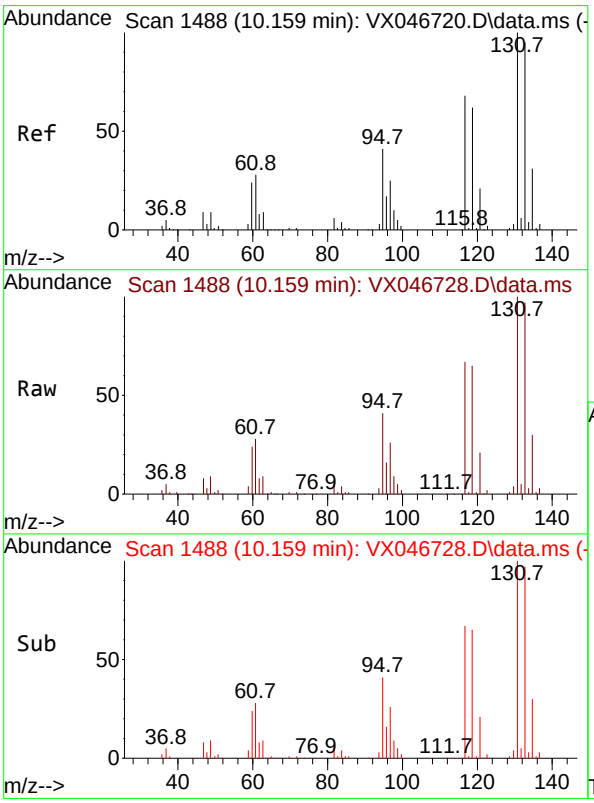

#65
Chlorobenzene
Concen: 47.007 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 225160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.5 | 38.3 |

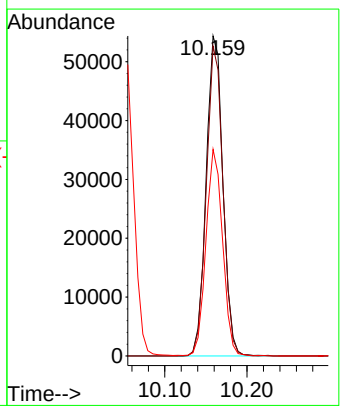


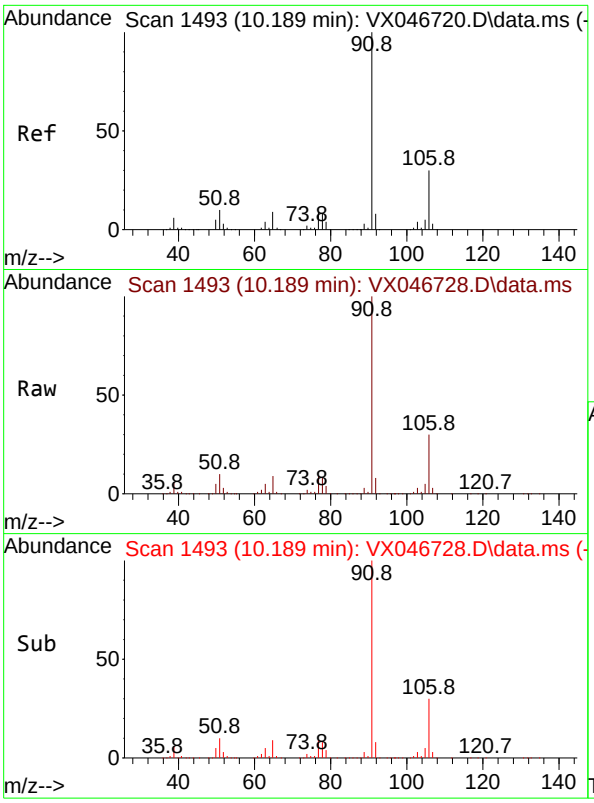




#66
1,1,1,2-Tetrachloroethane
Concen: 47.803 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:131 Resp: 76955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |



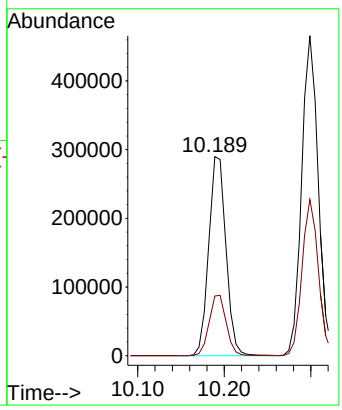


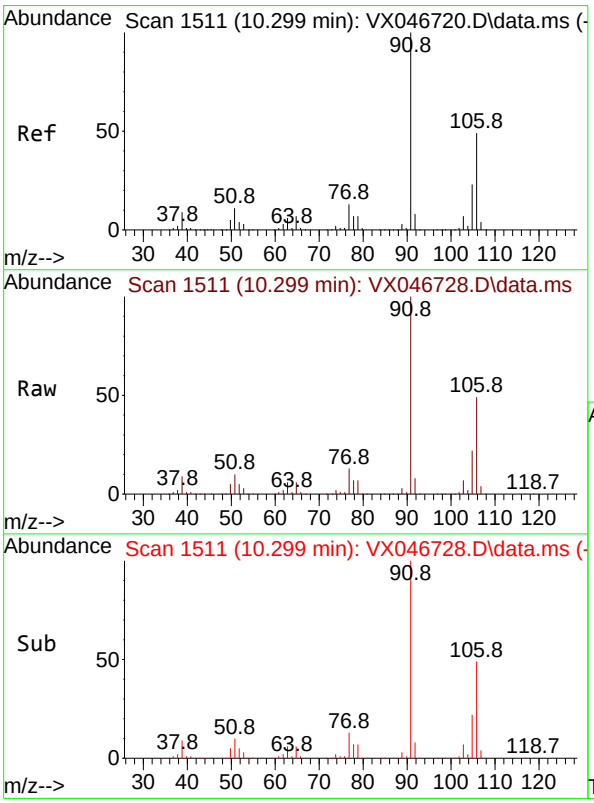

#67
Ethyl Benzene
Concen: 47.920 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 401054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.2 | 36.2 |

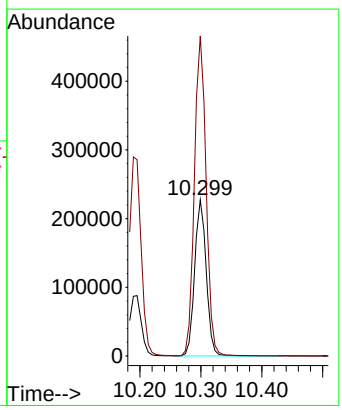


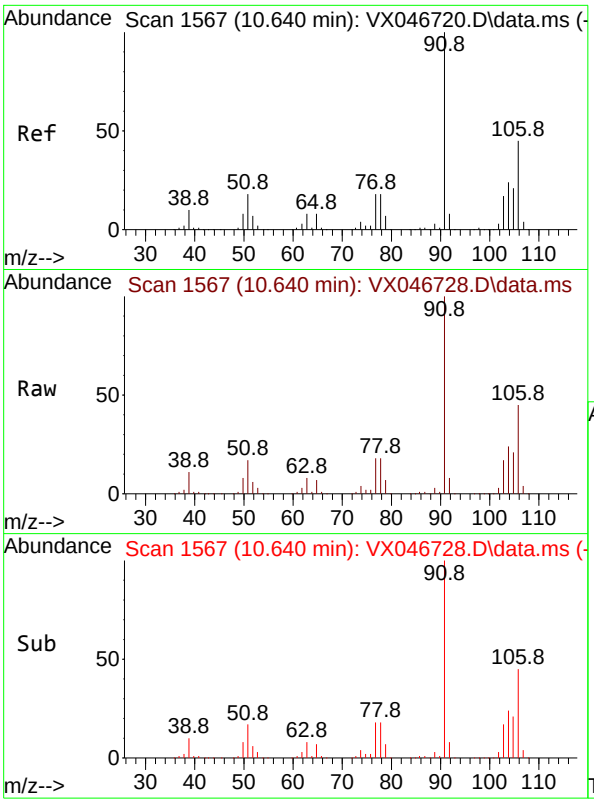




#68
m/p-Xylenes
Concen: 95.905 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:106 Resp: 299077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 164.8 | 247.2 |



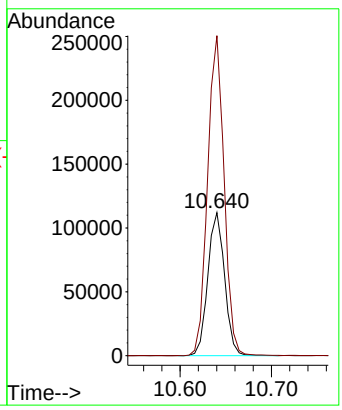


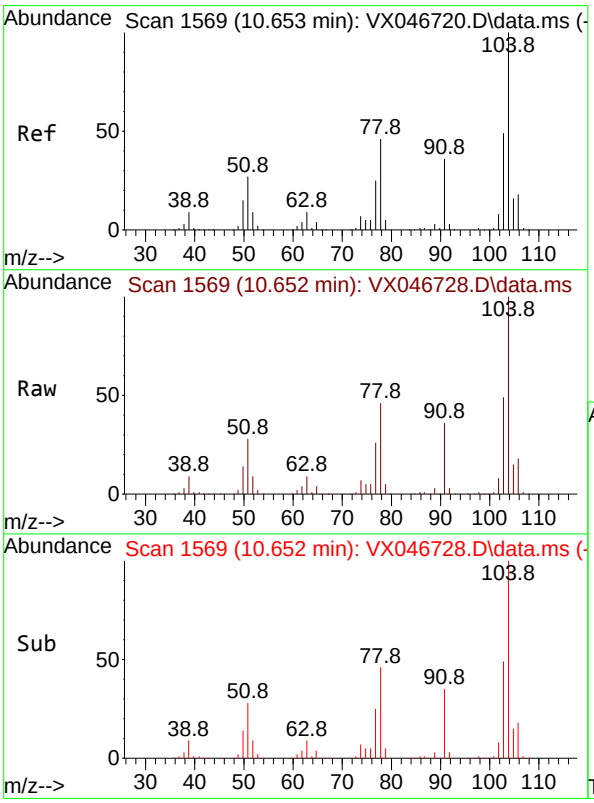

#69
o-Xylene
Concen: 48.886 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 142872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.6 | 111.3 | 333.9 |

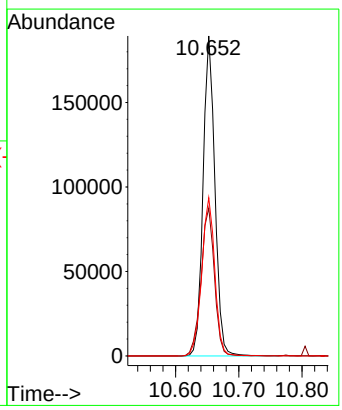


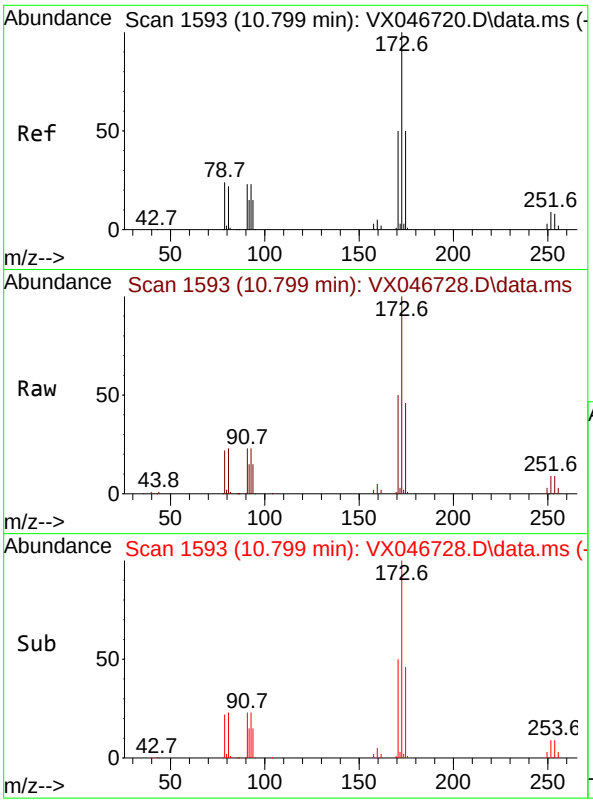




#70
Styrene
Concen: 48.325 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:104 Resp: 247158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.3 | 41.4 | 62.2 |
| 103 | 54.6 | 43.1 | 64.7 |



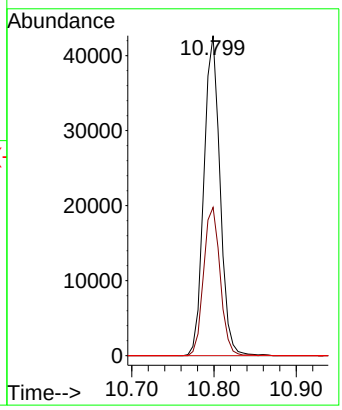


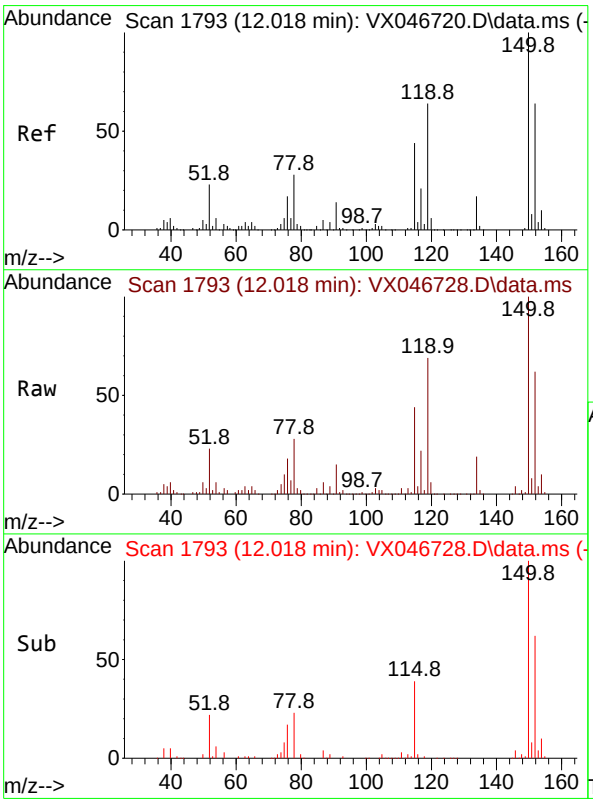

#71
Bromoform
Concen: 47.441 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 58162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.5 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

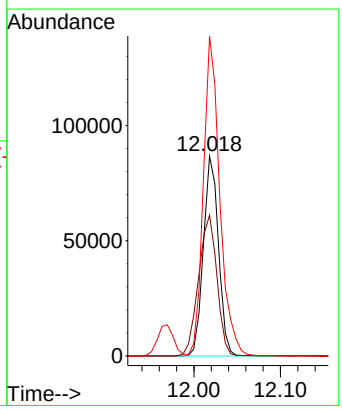


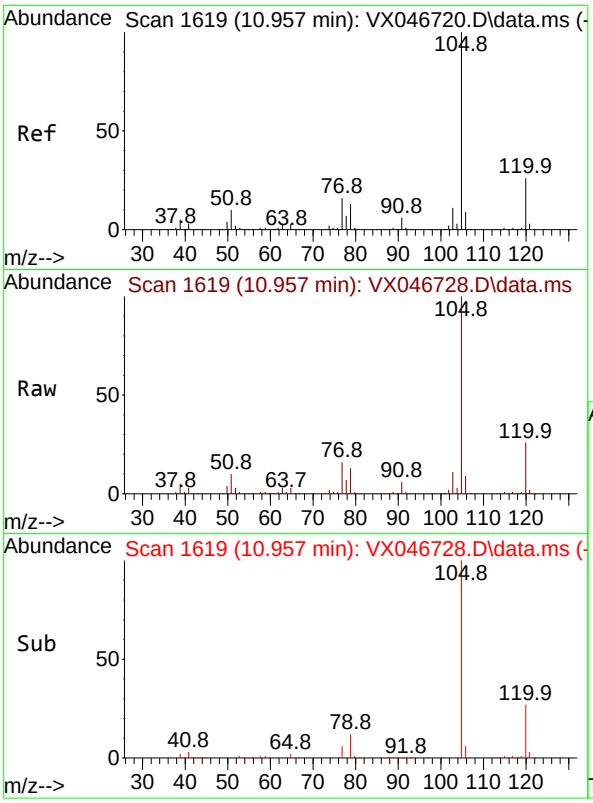




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:152 Resp: 104970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.7 | 43.2 | 129.6 |
| 150 | 173.7 | 0.0 | 346.8 |



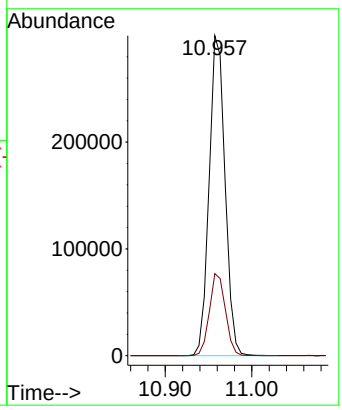


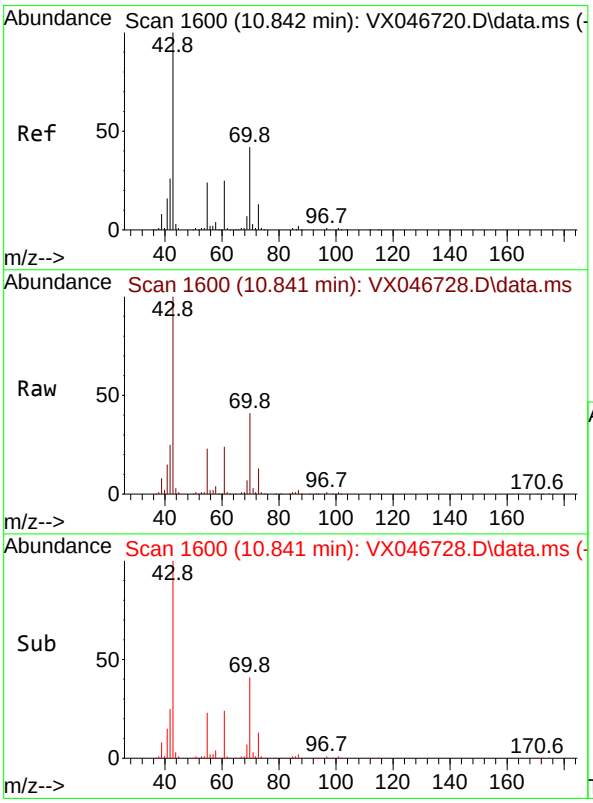

#73
Isopropylbenzene
Concen: 49.504 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 382718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.0 | 39.0 |

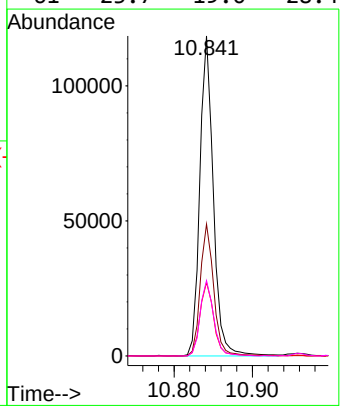


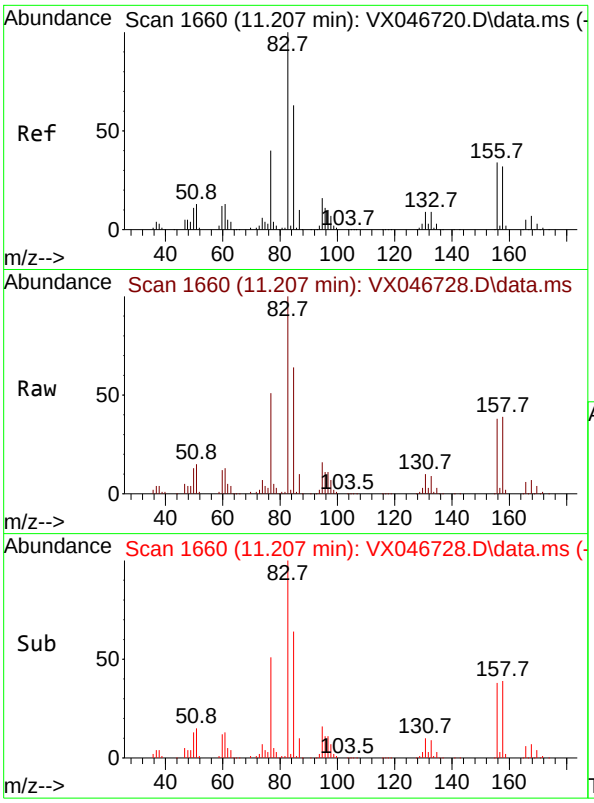




#74
N-amyl acetate
Concen: 48.357 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 43 Resp: 141644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.7 | 19.1 | 28.7 |
| 61 | 23.7 | 19.0 | 28.4 |



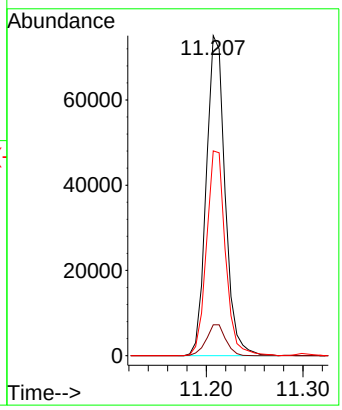


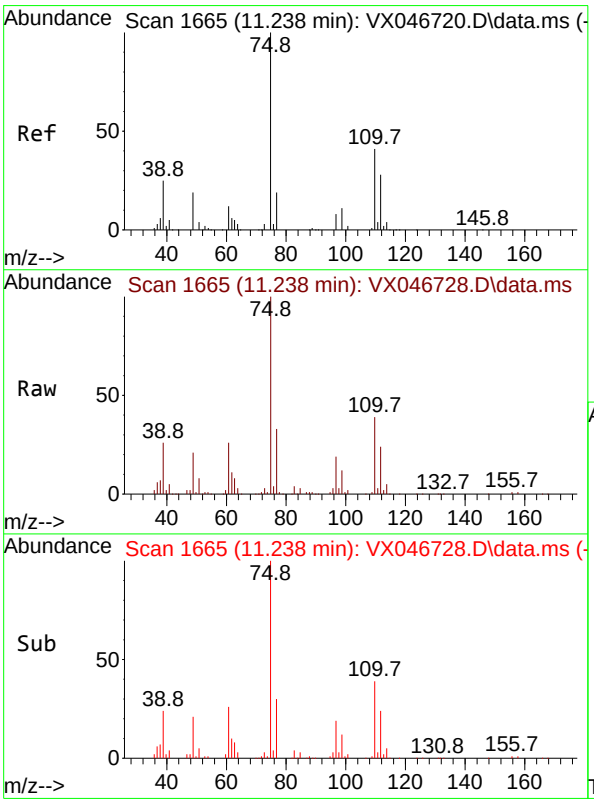

#75
1,1,2,2-Tetrachloroethane
Concen: 46.876 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 101190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.5 | 32.0 | 96.0 |

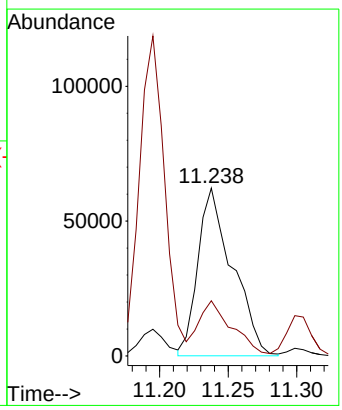


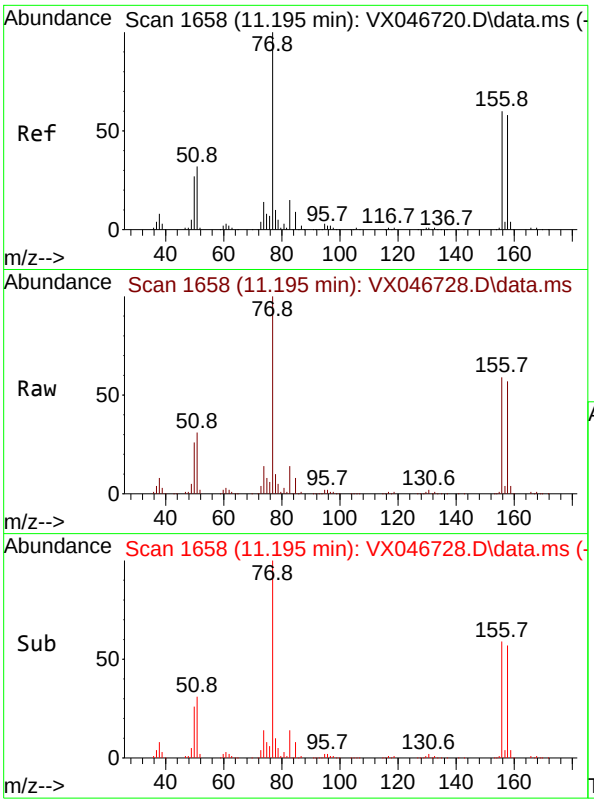




#76
1,2,3-Trichloropropane
Concen: 56.759 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 109122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 18.5 | 55.5 |



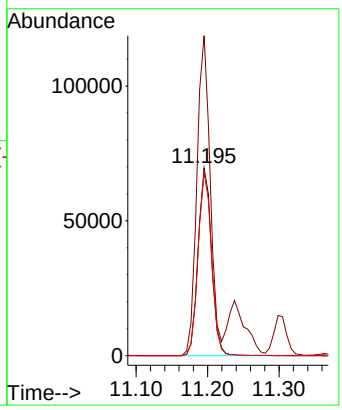


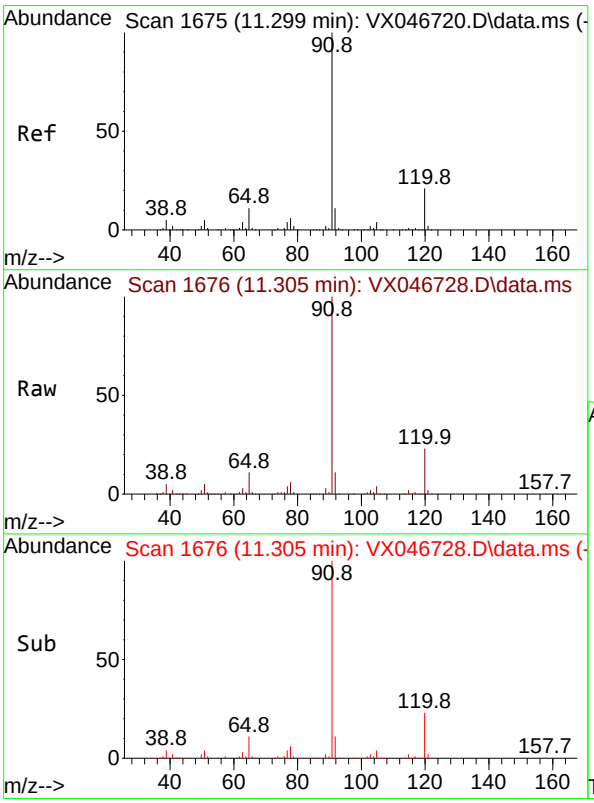

#77
Bromobenzene
Concen: 48.728 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 90654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.9 | 82.8 | 248.6 |
| 158 | 97.8 | 47.6 | 142.9 |

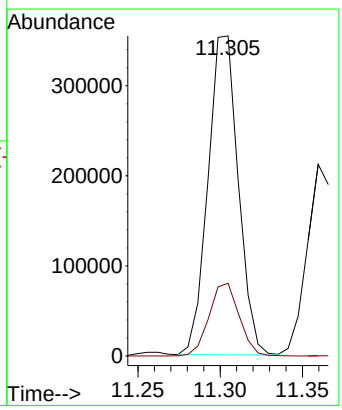


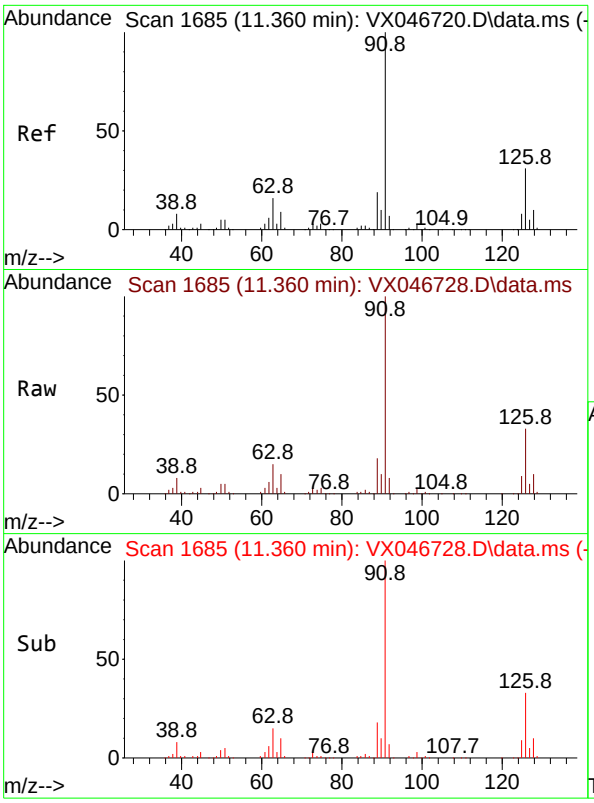




#78
n-propylbenzene
Concen: 49.480 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 91 Resp: 454356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.4 | 34.1 |



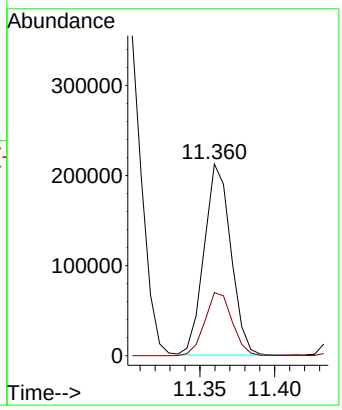


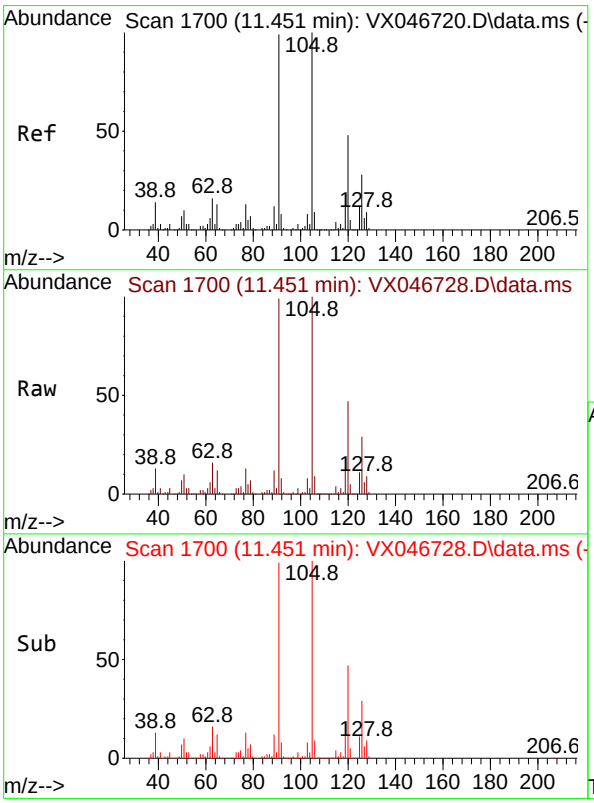

#79
2-Chlorotoluene
Concen: 48.156 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 264018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.6 | 49.7 |

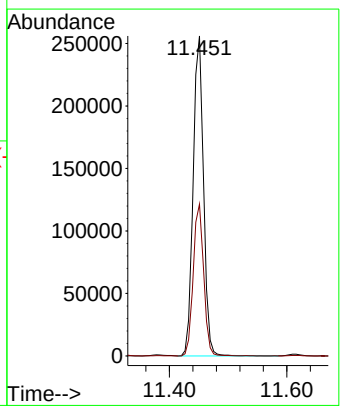


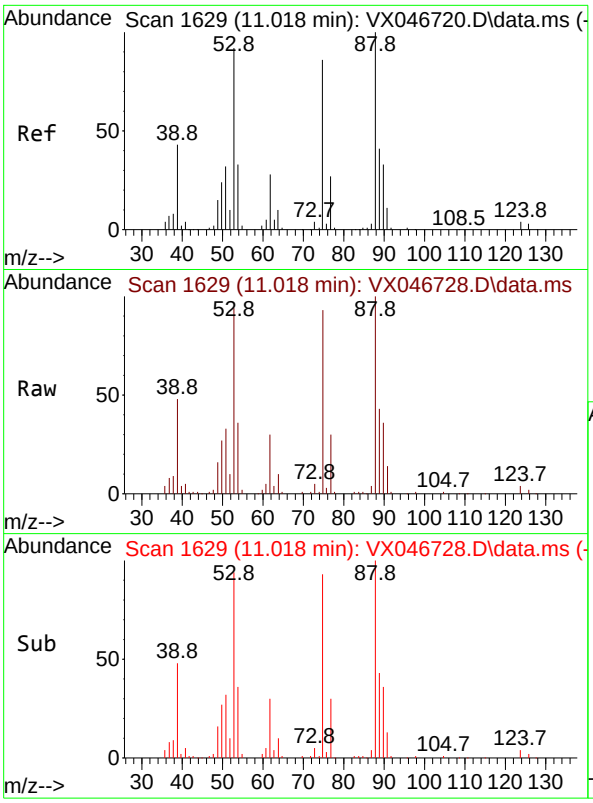




#80
1,3,5-Trimethylbenzene
Concen: 49.373 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:105 Resp: 313670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.9 | 24.1 | 72.2 |



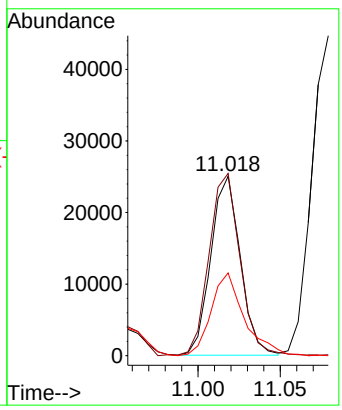


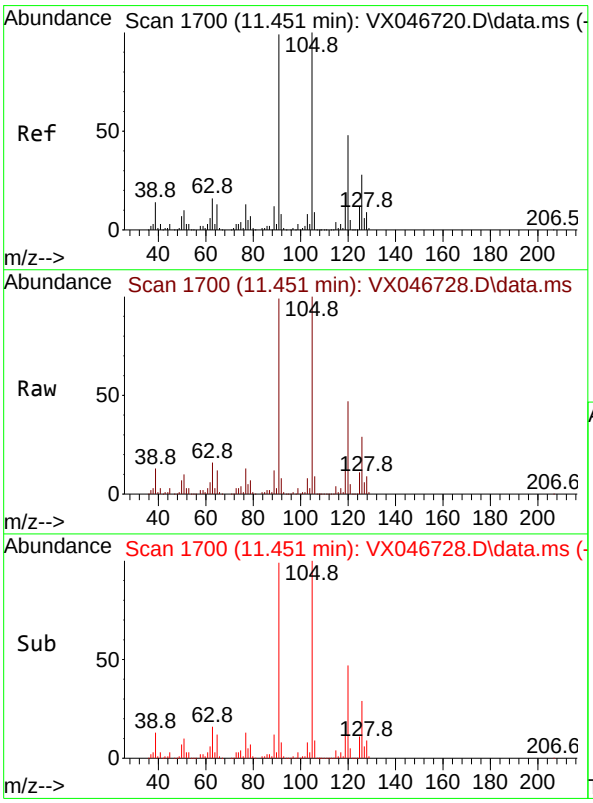

#81
trans-1,4-Dichloro-2-butene
Concen: 45.899 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 31219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.9 | 86.8 | 130.2 |
| 89 | 52.0 | 36.9 | 55.3 |

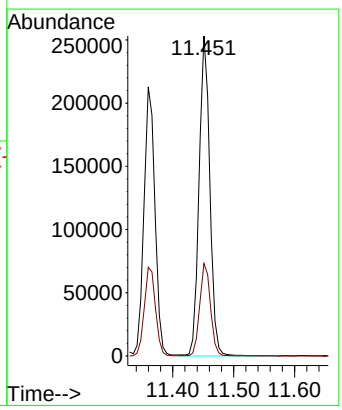


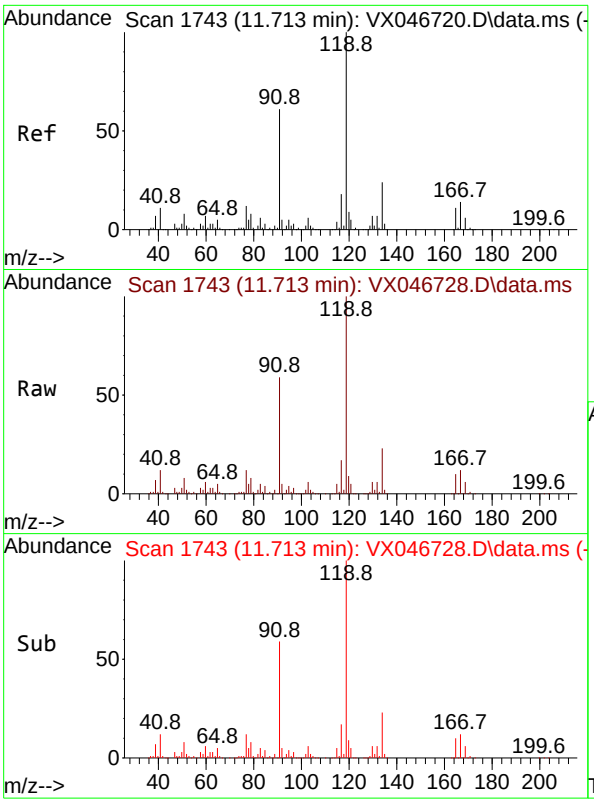




#82
4-Chlorotoluene
Concen: 48.572 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 91 Resp: 310790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |



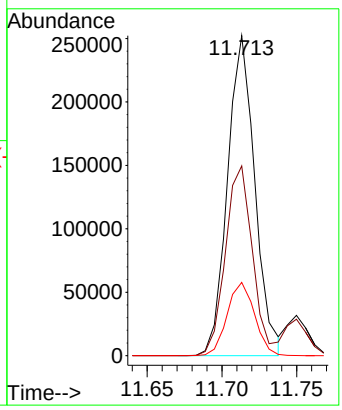


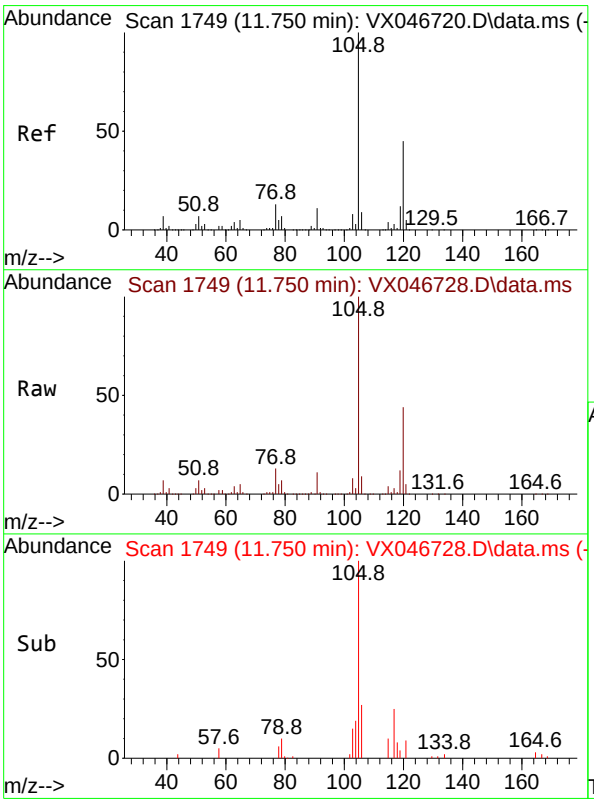

#83
tert-Butylbenzene
Concen: 48.896 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 321103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.0 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |

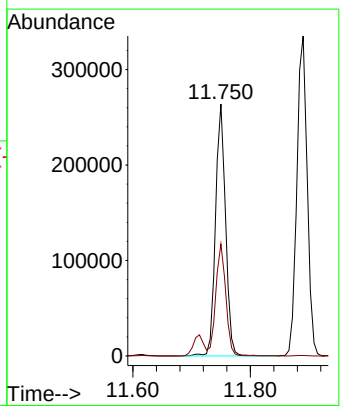


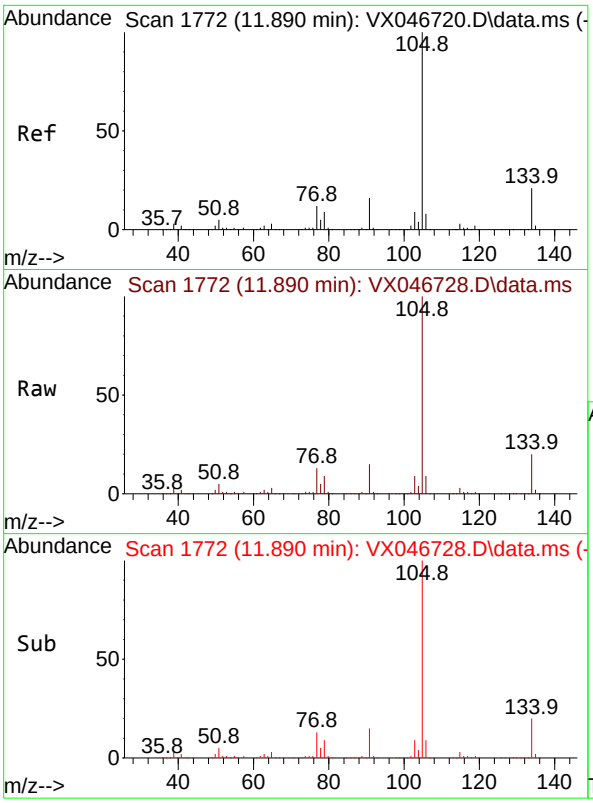




#84
1,2,4-Trimethylbenzene
Concen: 49.164 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:105 Resp: 313812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |



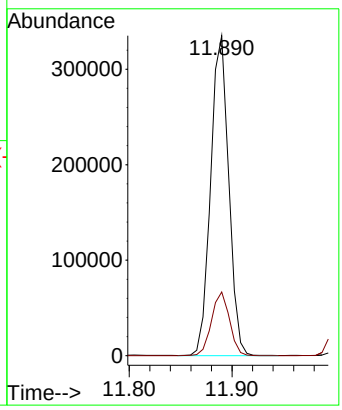


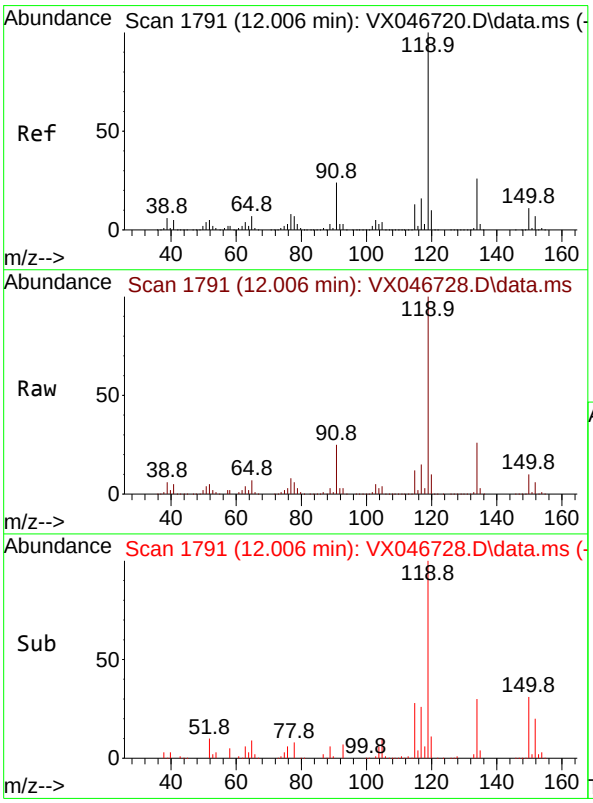

#85
sec-Butylbenzene
Concen: 49.388 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 409901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

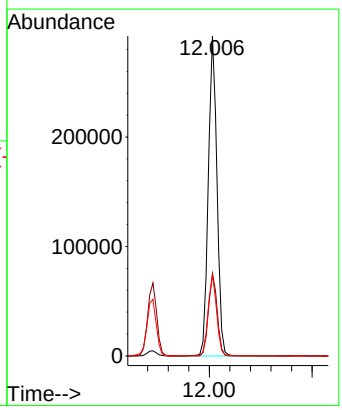


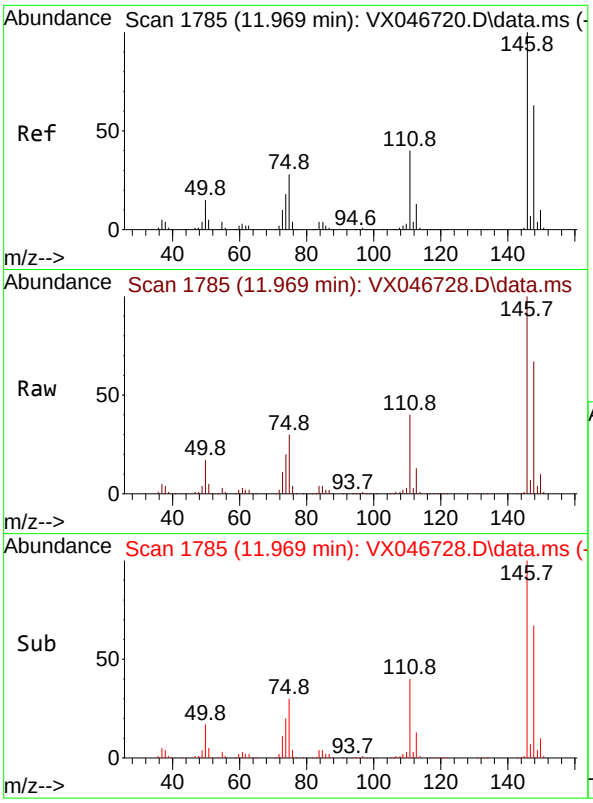




#86
p-Isopropyltoluene
Concen: 48.559 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:119 Resp: 340046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 25.0 | 12.3 | 36.9 |



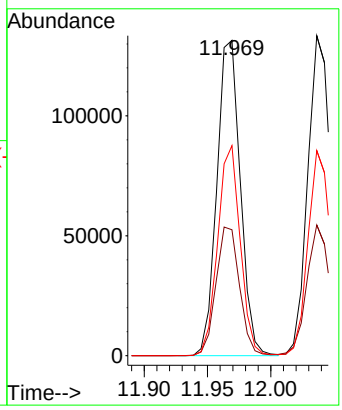


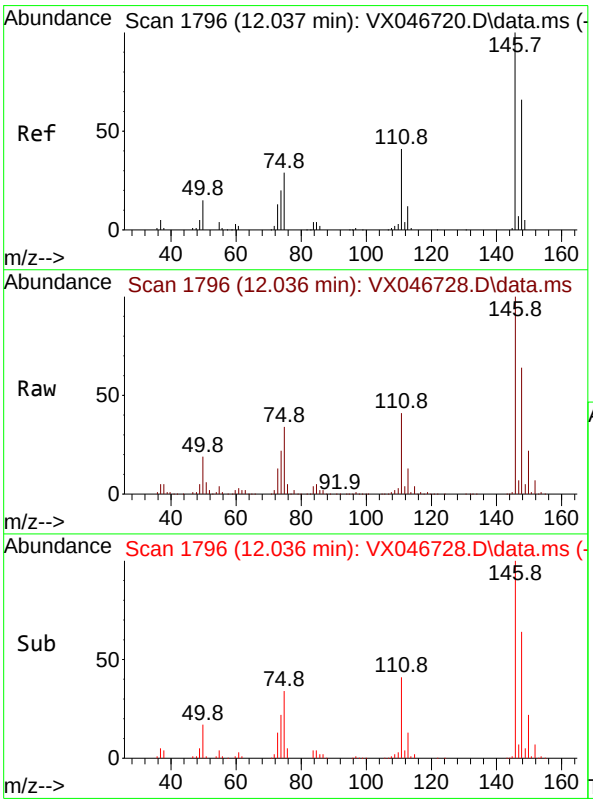

#87
1,3-Dichlorobenzene
Concen: 46.668 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 169284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.6 | 61.8 |
| 148 | 64.0 | 31.6 | 94.8 |

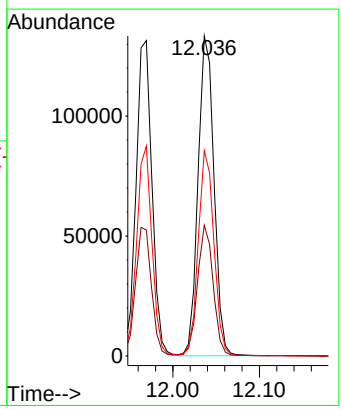


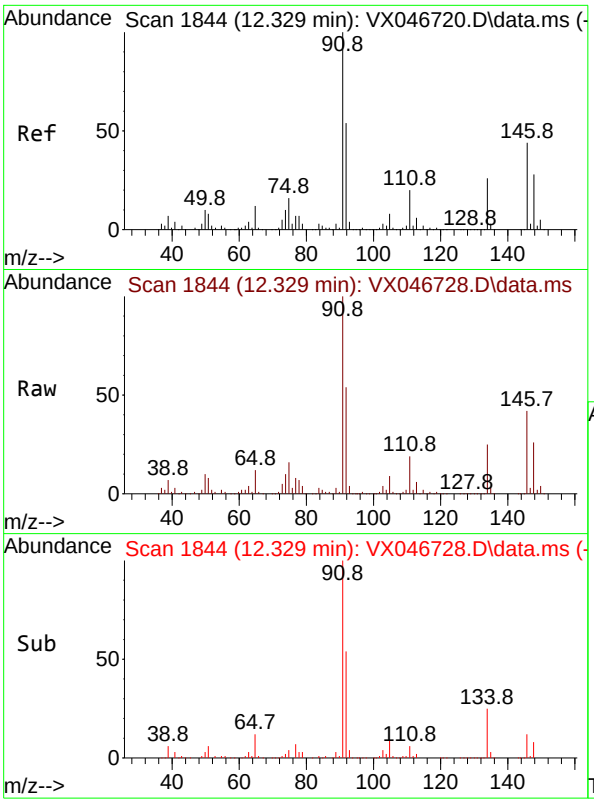




#88
1,4-Dichlorobenzene
Concen: 45.774 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:146 Resp: 170550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.3 | 61.0 |
| 148 | 63.2 | 32.1 | 96.5 |



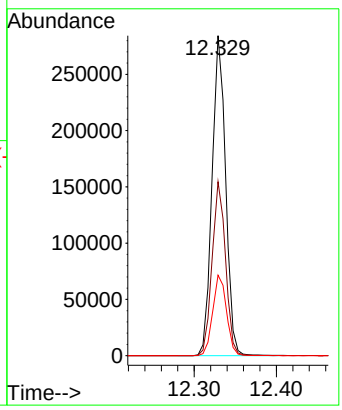


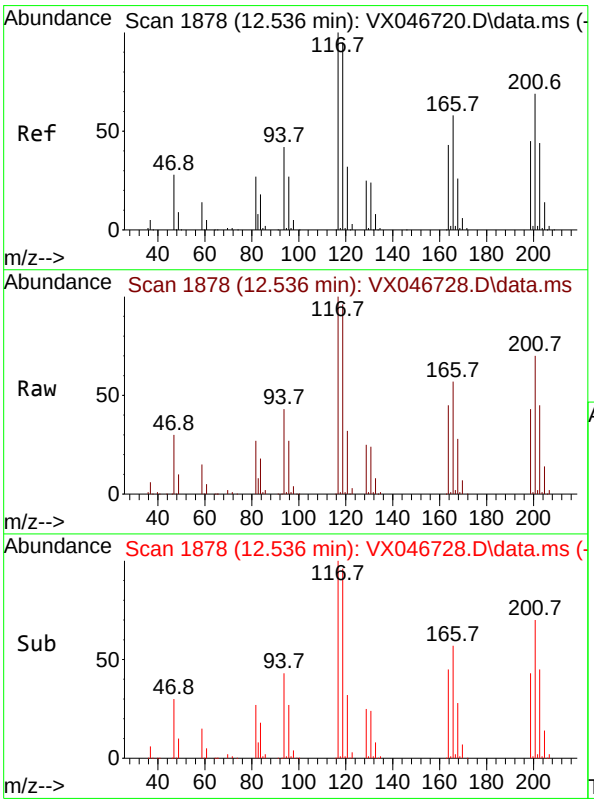

#89
n-Butylbenzene
Concen: 49.115 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 326557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |

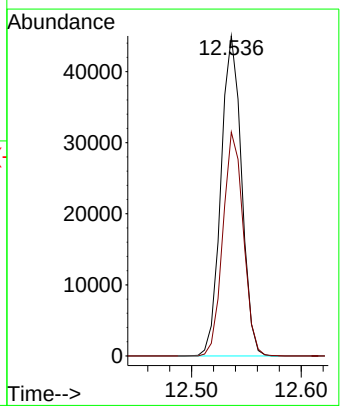


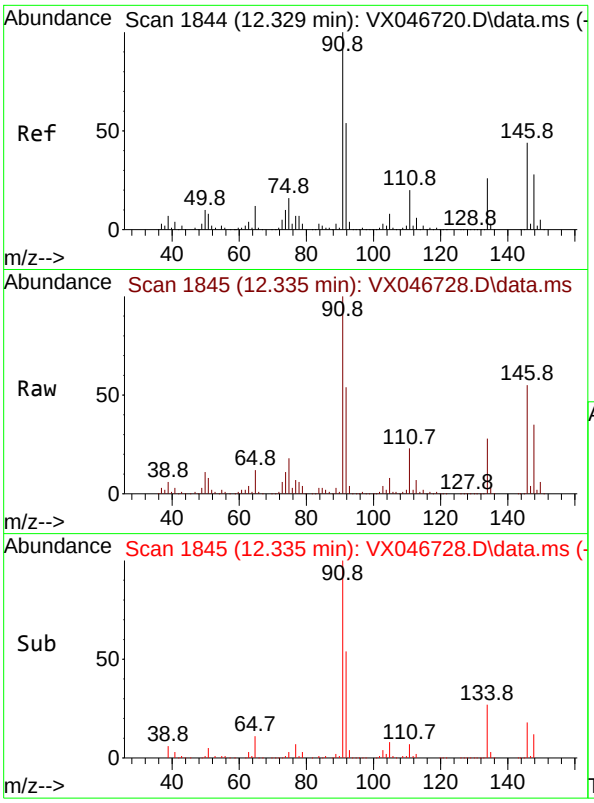




#90
Hexachloroethane
Concen: 47.909 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:117 Resp: 58749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.3 | 34.4 | 103.3 |



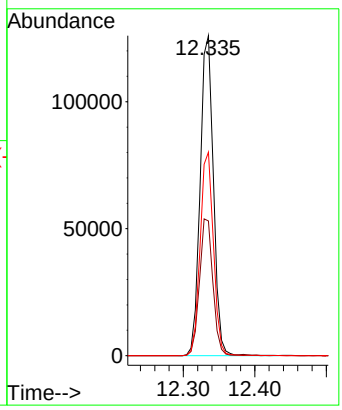


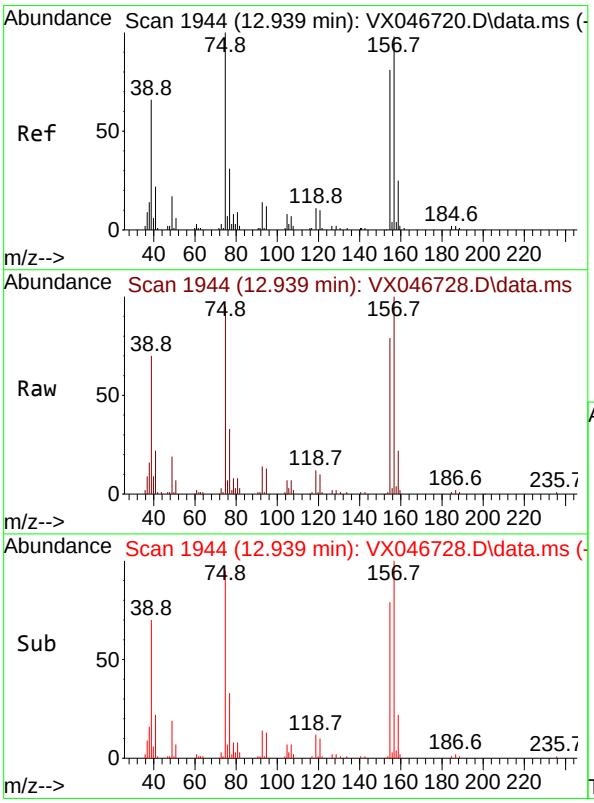

#91
1,2-Dichlorobenzene
Concen: 47.808 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 162062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 63.8 | 32.0 | 96.2 |

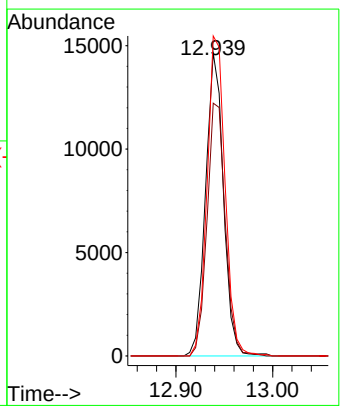


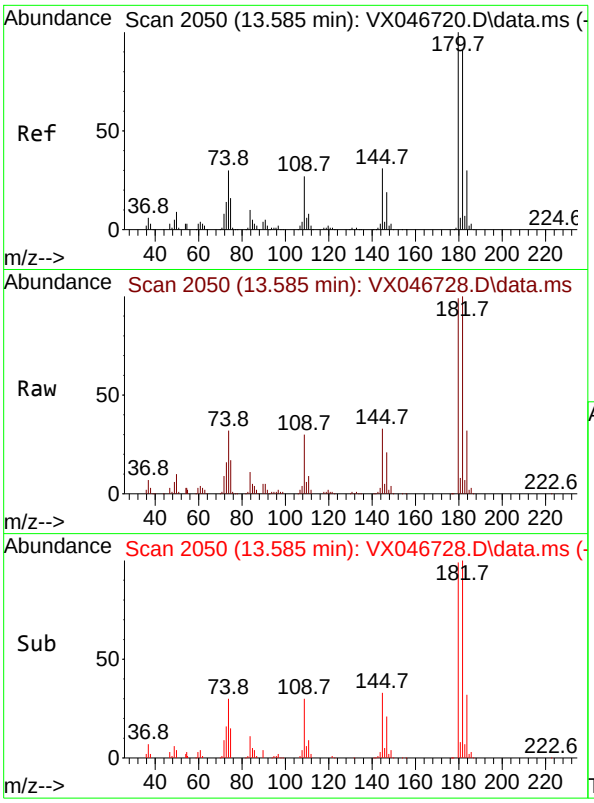




#92
1,2-Dibromo-3-Chloropropane
Concen: 44.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion: 75 Resp: 18854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 41.9 | 125.7 |
| 157 | 106.7 | 51.4 | 154.3 |



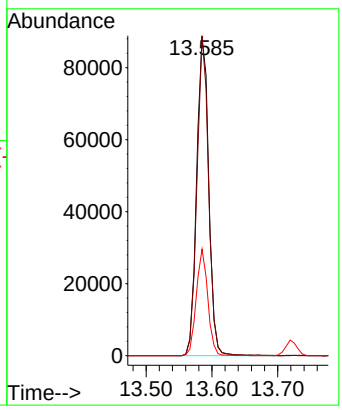


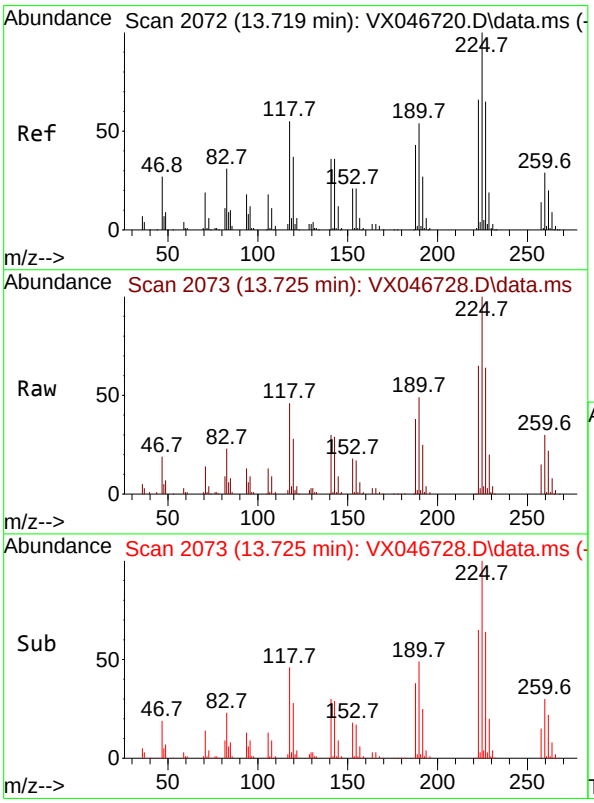

#93
1,2,4-Trichlorobenzene
Concen: 46.839 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 112879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |

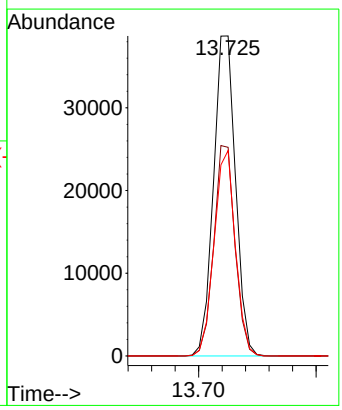


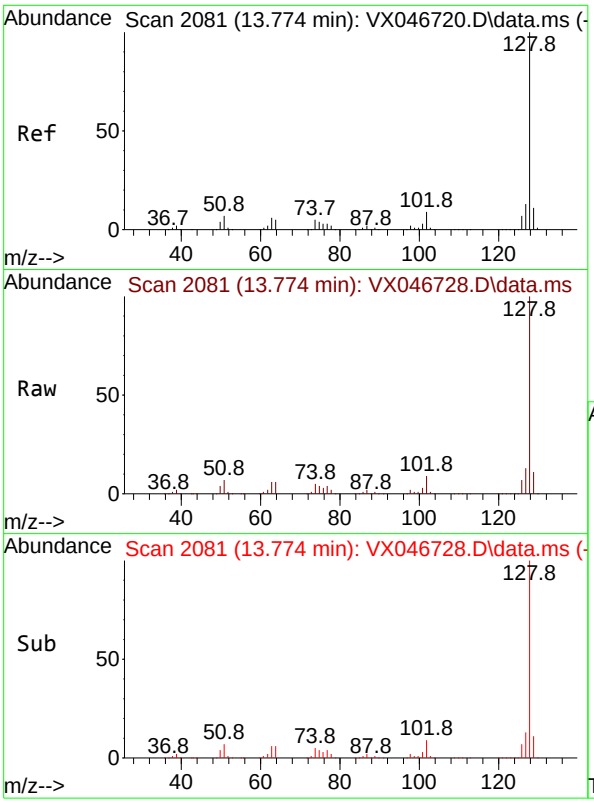




#94
Hexachlorobutadiene
Concen: 49.658 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:225 Resp: 50342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 32.5 | 97.5 |
| 227 | 62.0 | 32.2 | 96.6 |



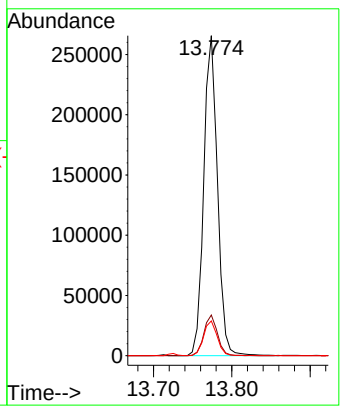


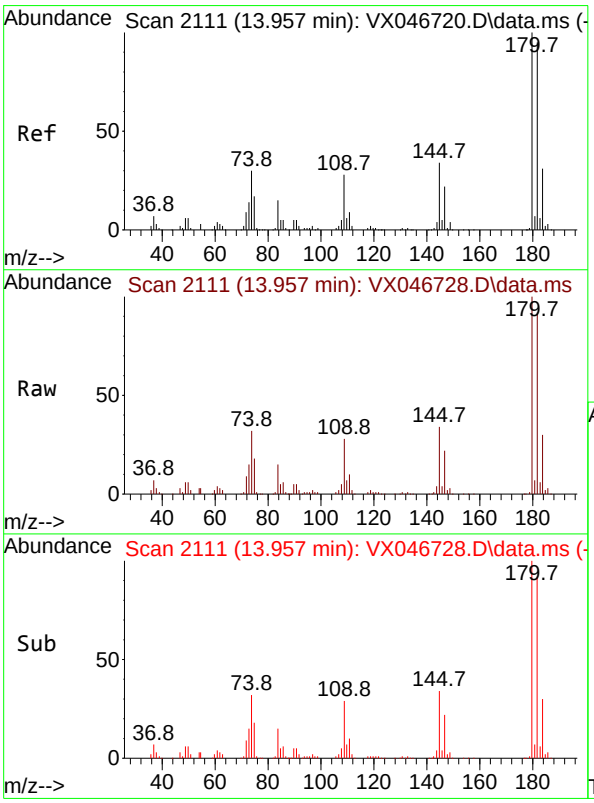

#95
Naphthalene
Concen: 46.852 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 321689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

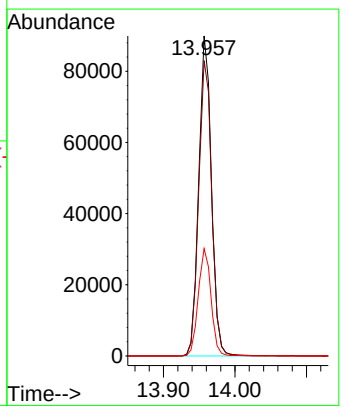



#96
1,2,3-Trichlorobenzene
Concen: 47.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046728.D
Acq: 18 Jun 2025 09:33

Tgt Ion:180 Resp: 110625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.8 | 143.4 |
| 145 | 33.7 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 156160 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 258286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 234034 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121898 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 107357 | 49.703 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.400% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 86297 | 50.499 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.000% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 315181 | 51.335 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 123307 | 53.877 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.760% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 32855 | 19.707 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 34478 | 19.159 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 36804 | 19.179 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 23617 | 21.875 | ug/l | 95 |
| 6) Chloroethane | 1.703 | 64 | 22373 | 19.236 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 55899 | 19.184 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 18908 | 18.908 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 34125 | 19.090 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 34275 | 18.324 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 15315 | 78.997 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 32329 | 18.743 | ug/l | 94 |
| 13) Acrolein | 2.245 | 56 | 23404 | 82.880 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 56826 | 18.183 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 77636 | 89.058 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 64756 | 89.902 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 90862 | 17.444 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 32677 | 17.862 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 96927 | 18.047 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 36406 | 18.175 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 34031 | 18.439 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 115948 | 19.302 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 442736 | 92.685 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 63885 | 18.731 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 91591 | 89.908 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 47652 | 19.157 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 40662 | 18.753 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 33976 | 21.974 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 59051 | 89.743 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 64462 | 18.899 | ug/l | 98 |
| 31) Cyclohexane | 5.477 | 56 | 60903 | 18.830 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 56117 | 18.760 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 45886 | 18.601 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 36646 | 16.094 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 49192 | 18.375 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 60470 | 18.628 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 137579 | 18.845 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 22309 | 18.378 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 48245 | 18.805 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 64595 | 18.129 | ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 34115 | 18.336 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 33537 | 18.535 | ug/l | | 98 |
| 46) Dibromomethane | 7.586 | 93 | 24500 | 18.841 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 49606 | 18.694 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.696 | 41 | 32385 | 18.122 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8212 | 335.186 | ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 194118 | 91.344 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 86400 | 19.090 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 44965 | 18.263 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 51349 | 18.372 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31497 | 18.674 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 46060 | 18.500 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 54758 | 18.853 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 130389 | 100.816 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 135469 | 92.207 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 37303 | 18.767 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 32821 | 19.131 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 29423 | 18.146 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 94744 | 18.339 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 32350 | 18.632 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 165227 | 18.304 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 125249 | 37.239 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 60319 | 19.136 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 103726 | 18.804 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 23678 | 17.907 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 161068 | 17.941 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 58929 | 17.325 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 44152 | 17.613 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 44018 | 19.716 | ug/l | | 97 |
| 77) Bromobenzene | 11.195 | 156 | 38841 | 17.979 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 192217 | 18.026 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 113441 | 17.818 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 133755 | 18.130 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12597 | 15.949 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 131603 | 17.712 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 135643 | 17.787 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 134740 | 18.178 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 173686 | 18.021 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 146235 | 17.983 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 72321 | 17.169 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 73790 | 17.054 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 137335 | 17.787 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 24540 | 17.233 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 70063 | 17.798 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8079 | 16.324 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 48663 | 17.388 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 21242 | 18.044 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 136183 | 17.080 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 46661 | 17.428 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

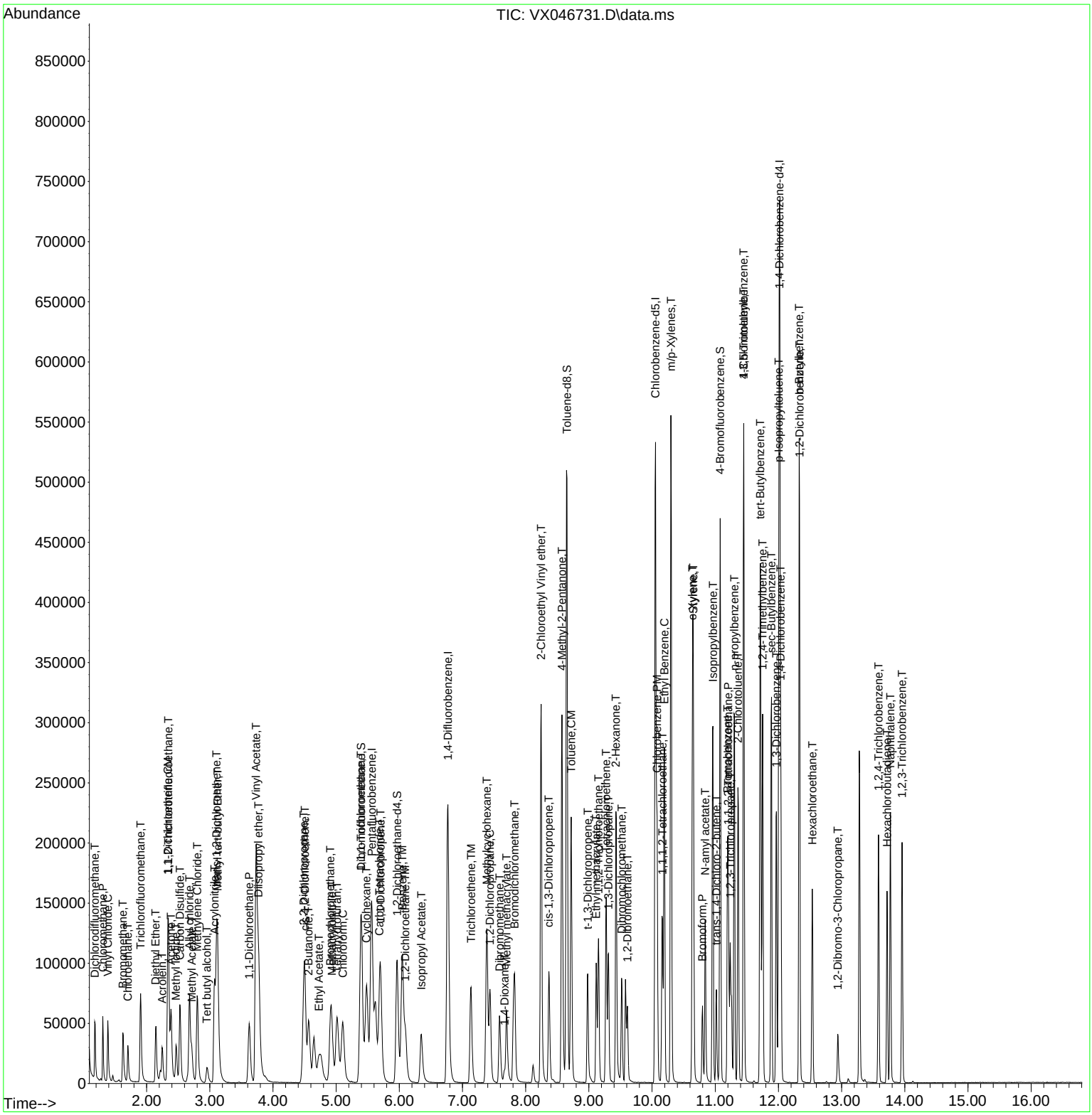
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

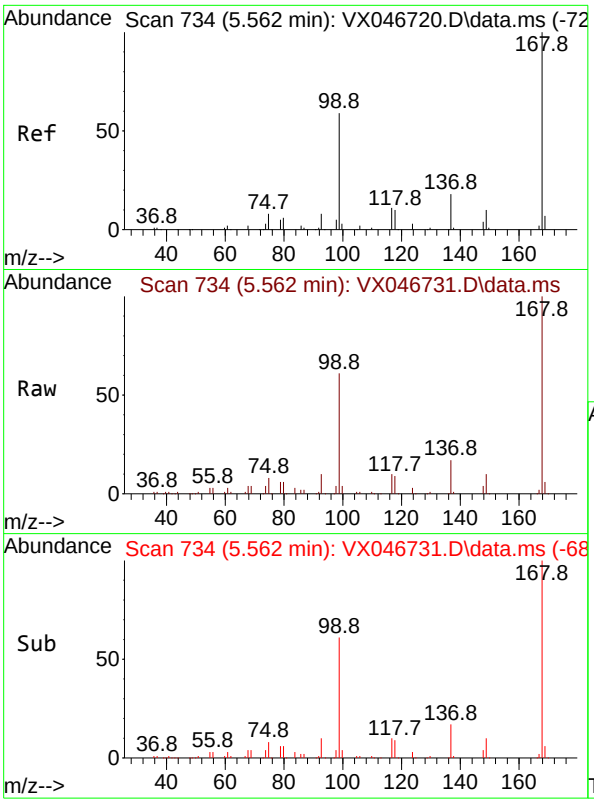
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



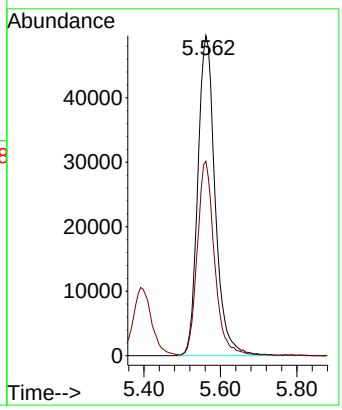


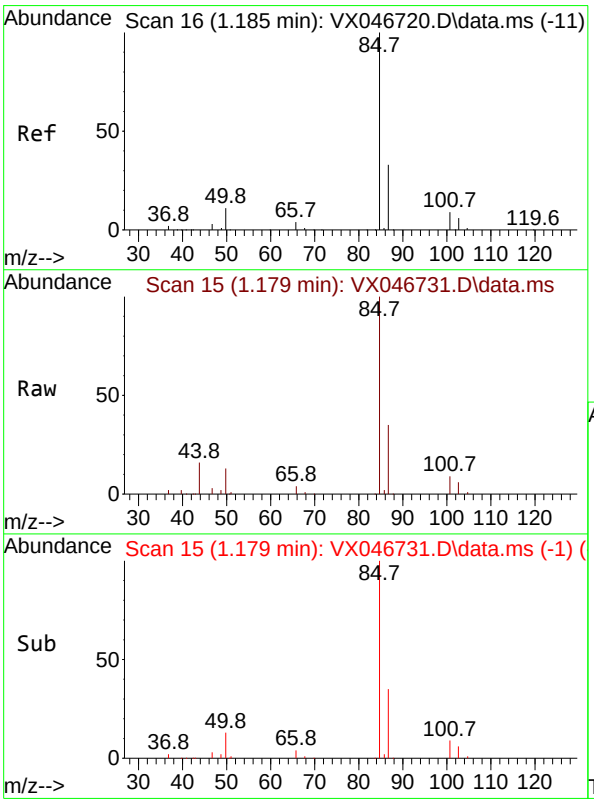

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:168 Resp: 156160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.5 | 72.7 |

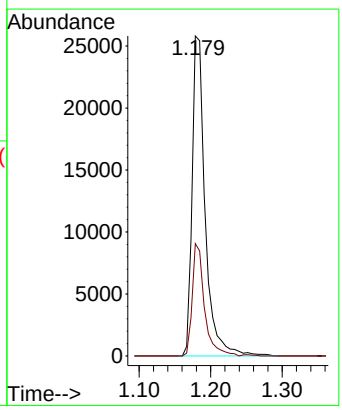


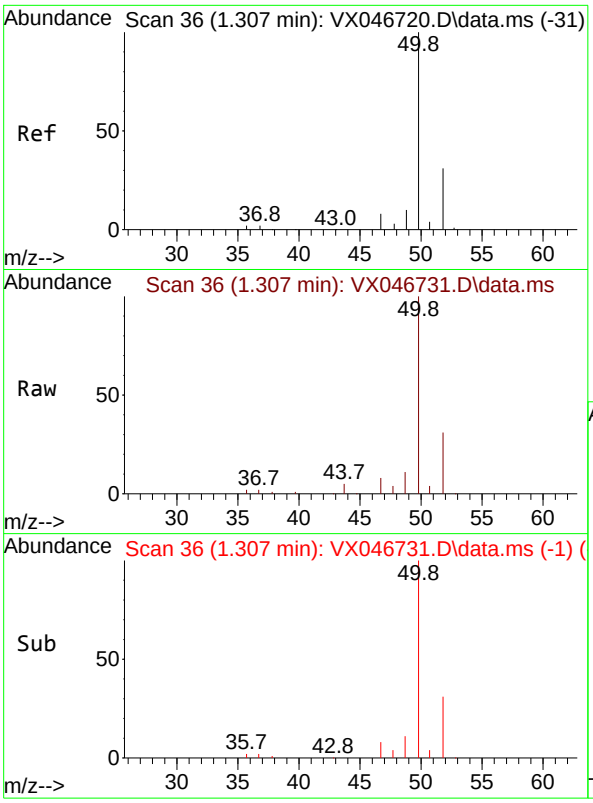




#2
Dichlorodifluoromethane
Concen: 19.707 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 85 Resp: 32855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.1 | 16.6 | 49.8 |



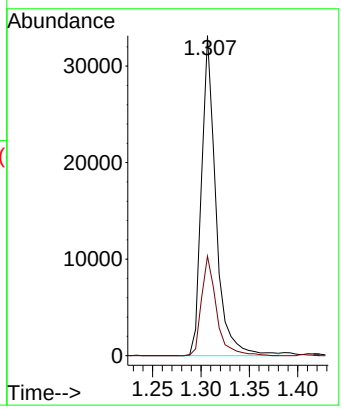


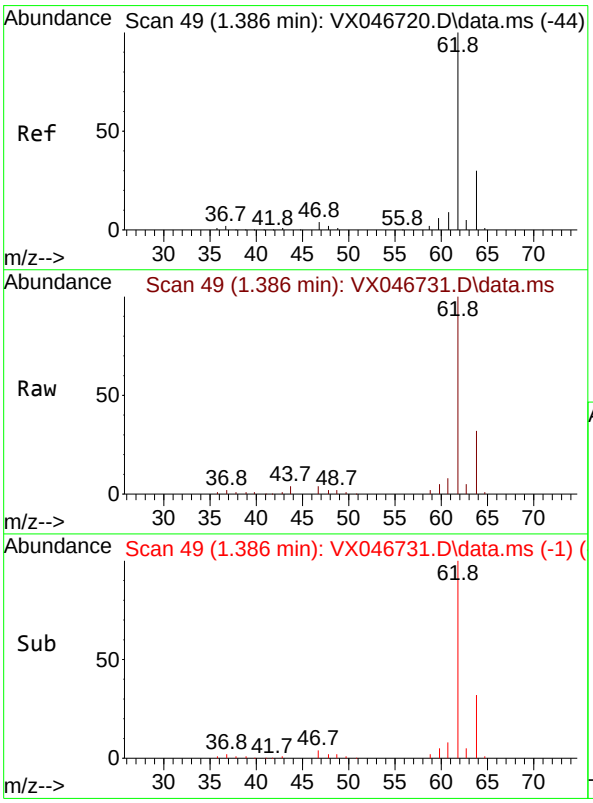

#3
Chloromethane
Concen: 19.159 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 50 Resp: 34478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 24.9 | 37.3 |

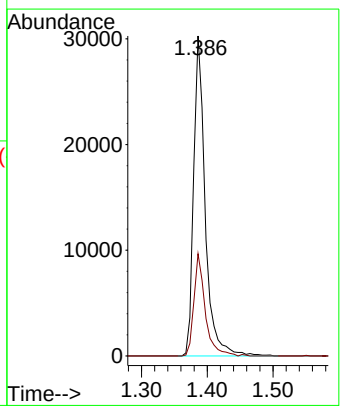


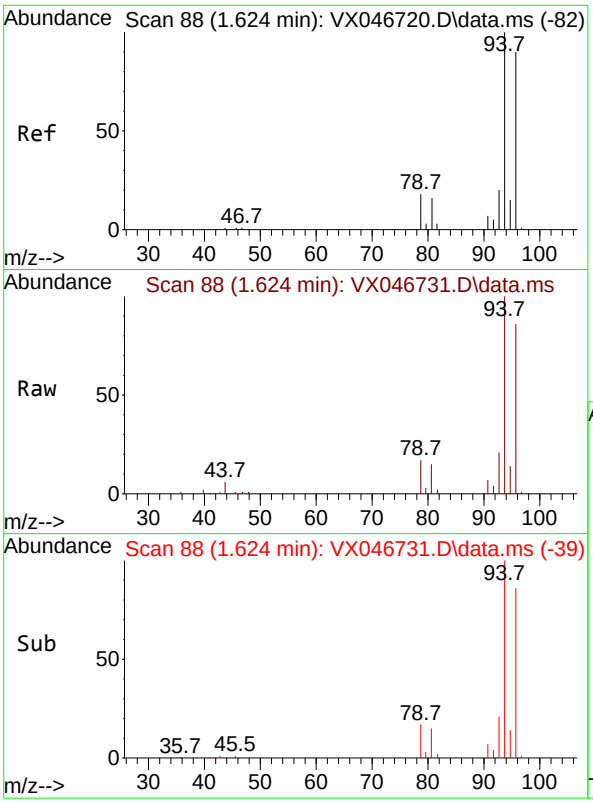




#4
Vinyl Chloride
Concen: 19.179 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 62 Resp: 36804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 23.9 | 35.9 |



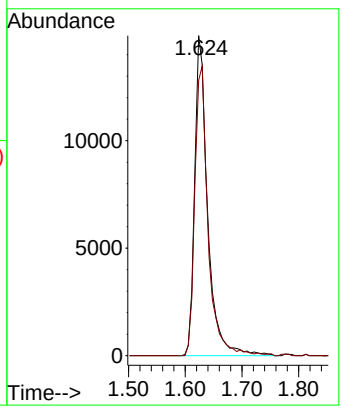


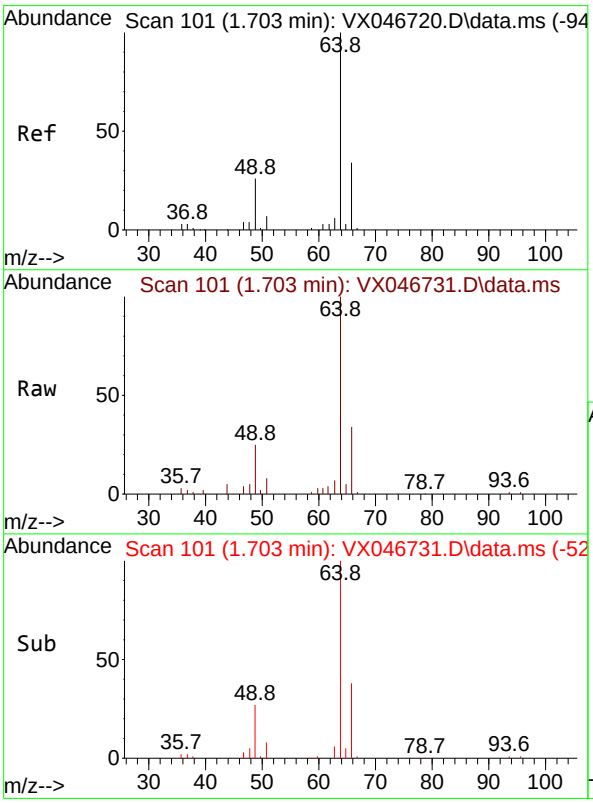

#5
Bromomethane
Concen: 21.875 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 94 Resp: 23617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 86.1 | 72.3 | 108.5 |

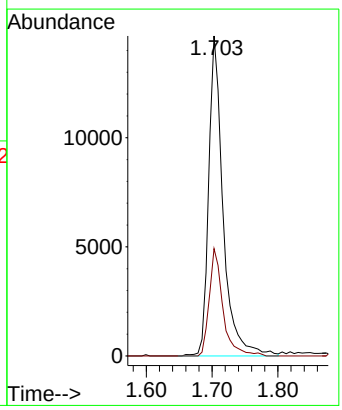


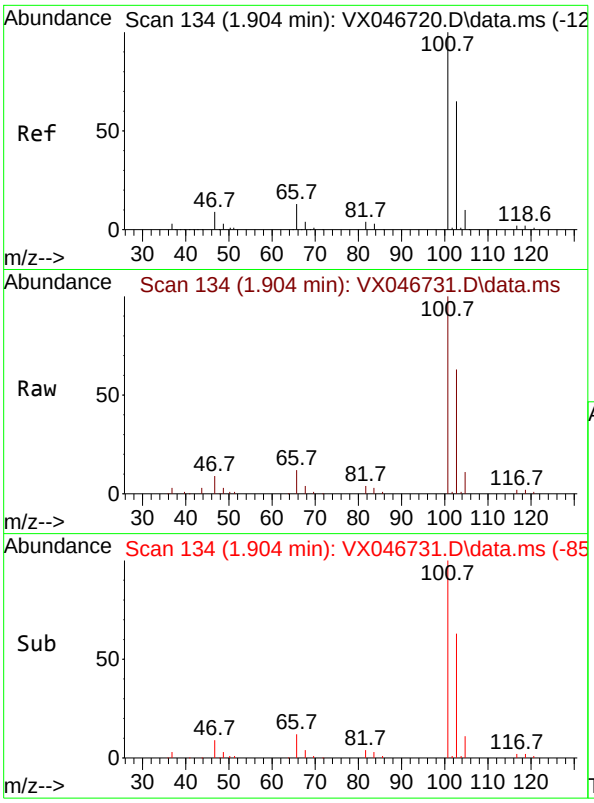




#6
Chloroethane
Concen: 19.236 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 64 Resp: 22373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.6 | 27.1 | 40.7 |



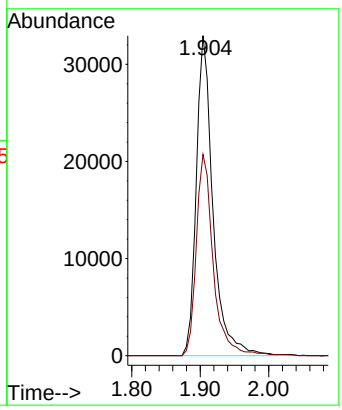


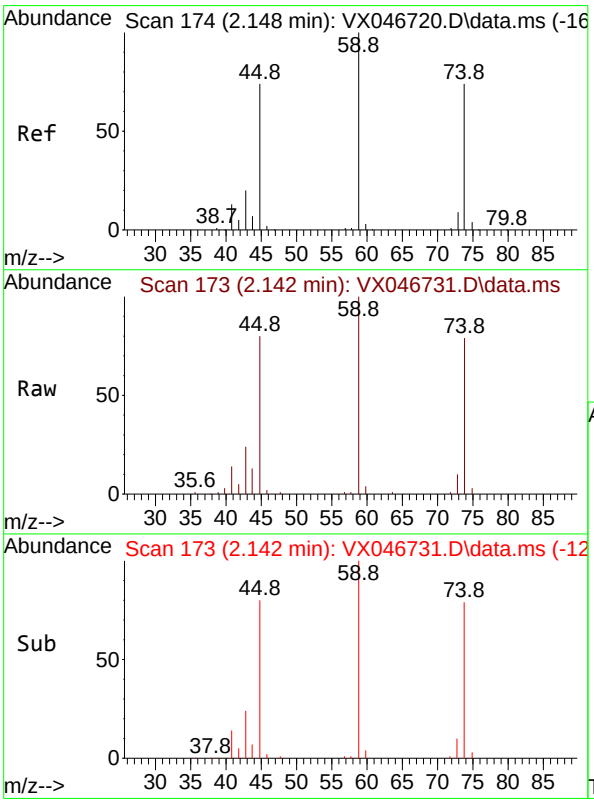

#7
Trichlorofluoromethane
Concen: 19.184 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:101 Resp: 55899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.9 | 51.8 | 77.8 |

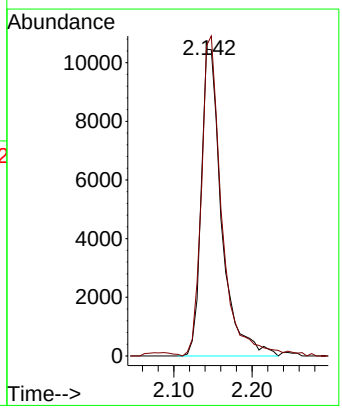


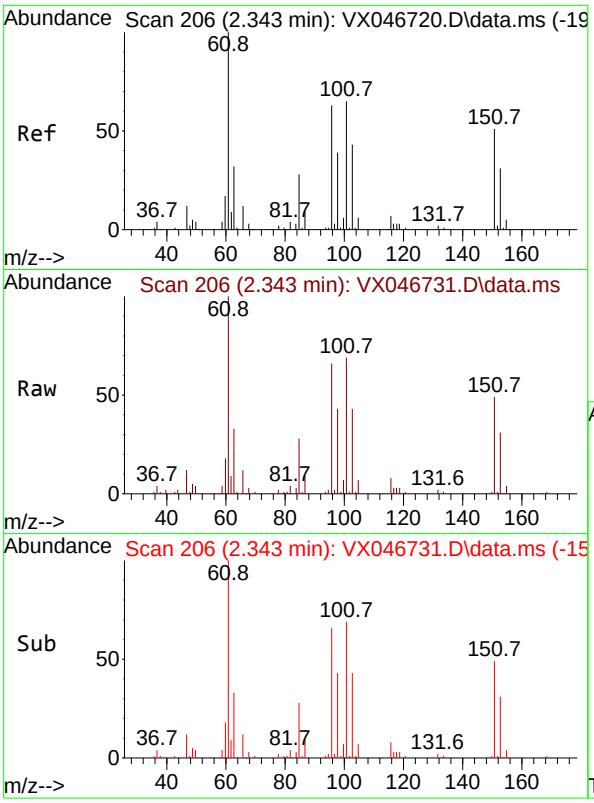




#8
Diethyl Ether
Concen: 18.908 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 74 Resp: 18908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.6 | 52.3 | 157.1 |



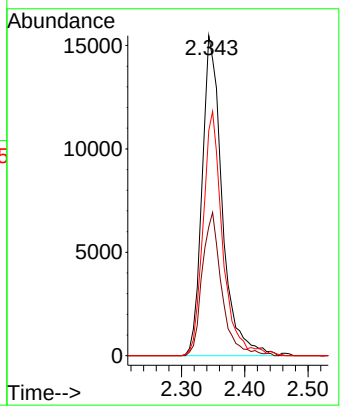


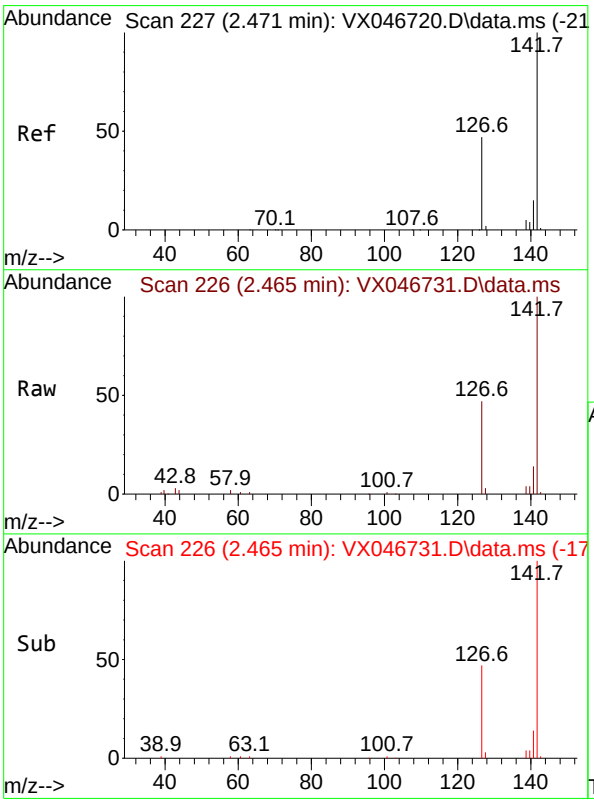

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.090 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:101 Resp: 34125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |

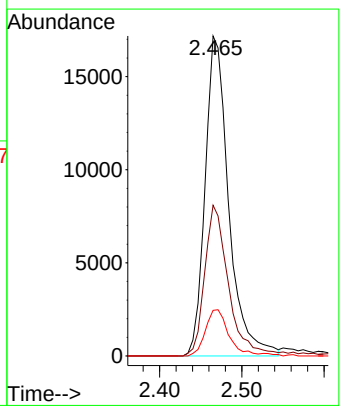


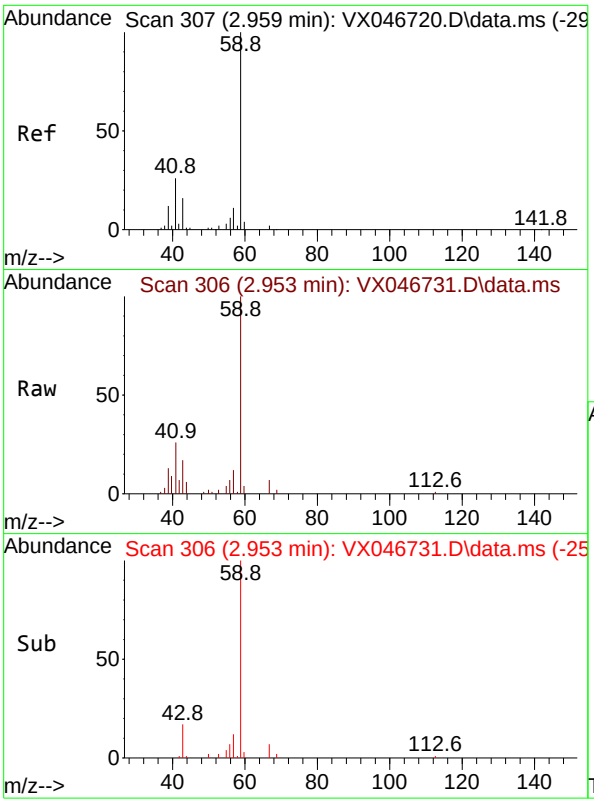




#10
Methyl Iodide
Concen: 18.324 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:142 Resp: 34275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.5 | 37.0 | 55.6 |
| 141 | 14.1 | 11.5 | 17.3 |



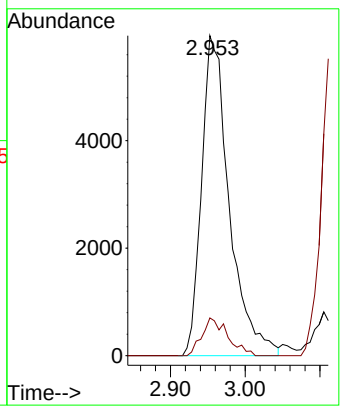


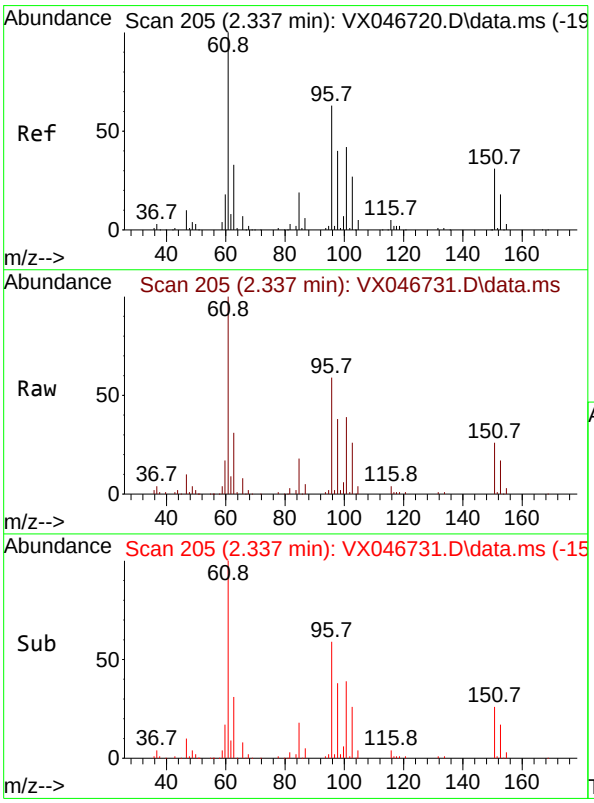

#11
Tert butyl alcohol
Concen: 78.997 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 59 Resp: 15315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.0 | 8.3 | 12.5 |

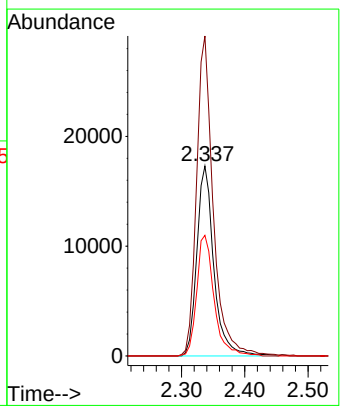


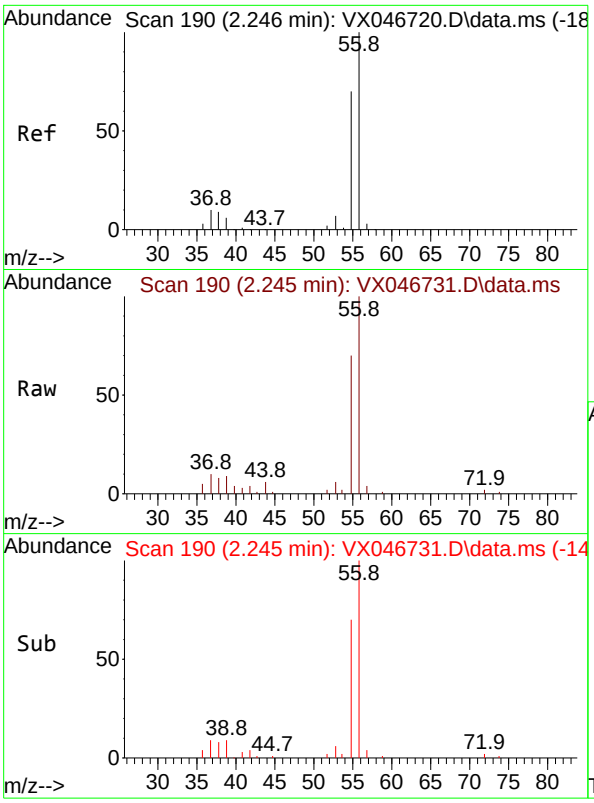




#12
1,1-Dichloroethene
Concen: 18.743 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 96 Resp: 32329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.4 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |



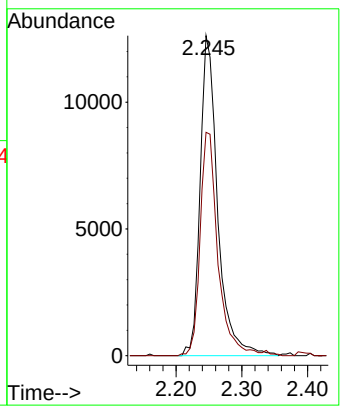


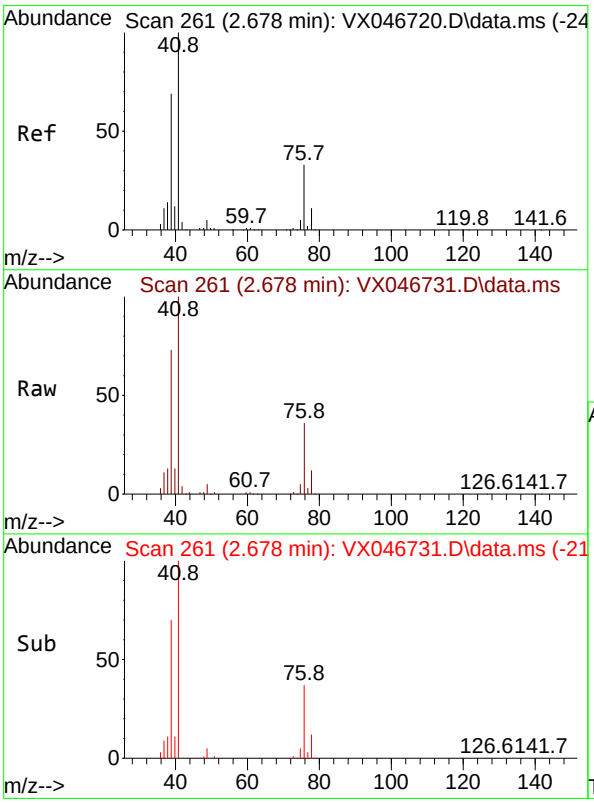

#13
Acrolein
Concen: 82.880 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 56 Resp: 23404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.6 | 55.2 | 82.8 |

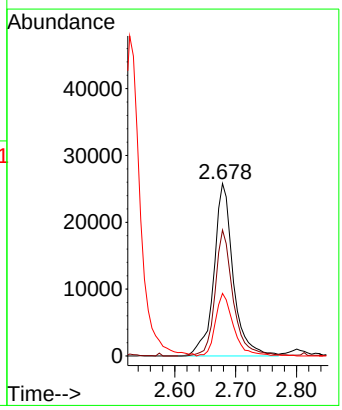


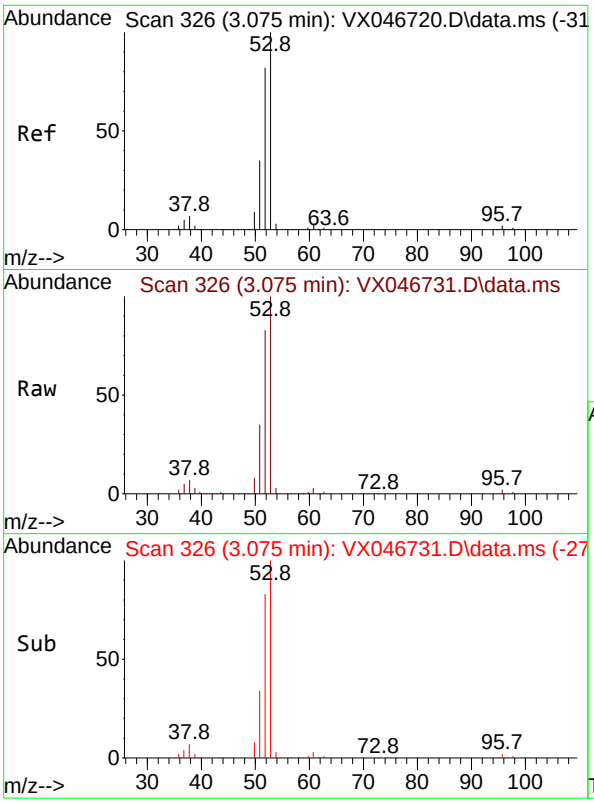




#14
Allyl chloride
Concen: 18.183 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 41 Resp: 56826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.3 | 53.6 | 80.4 |
| 76 | 33.7 | 26.8 | 40.2 |



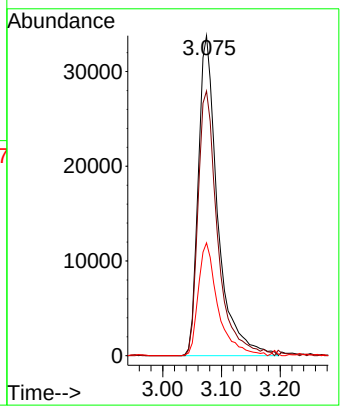


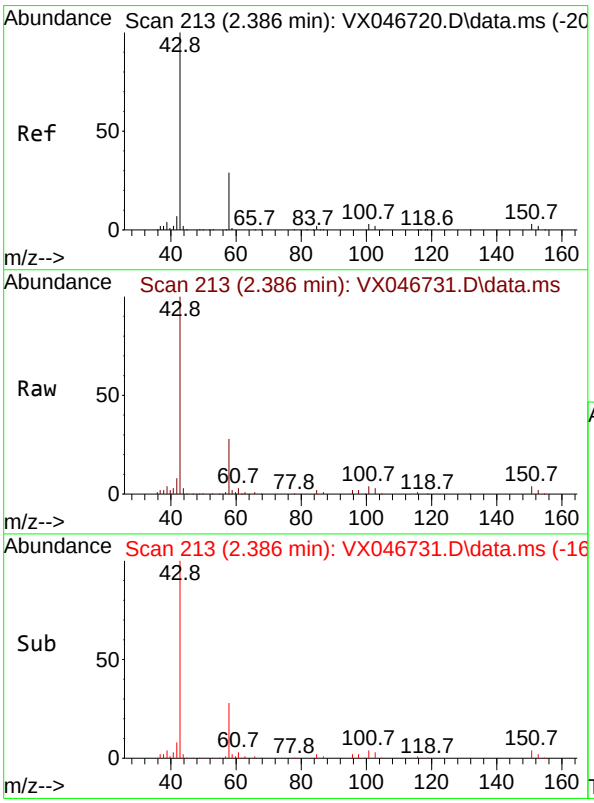

#15
Acrylonitrile
Concen: 89.058 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 53 Resp: 77636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 65.1 | 97.7 |
| 51 | 35.8 | 28.9 | 43.3 |

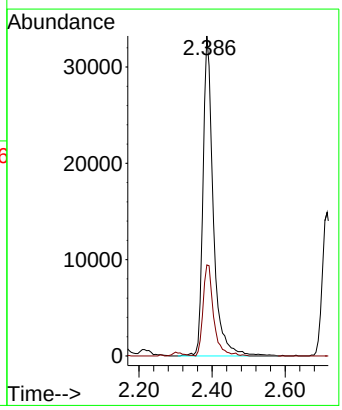


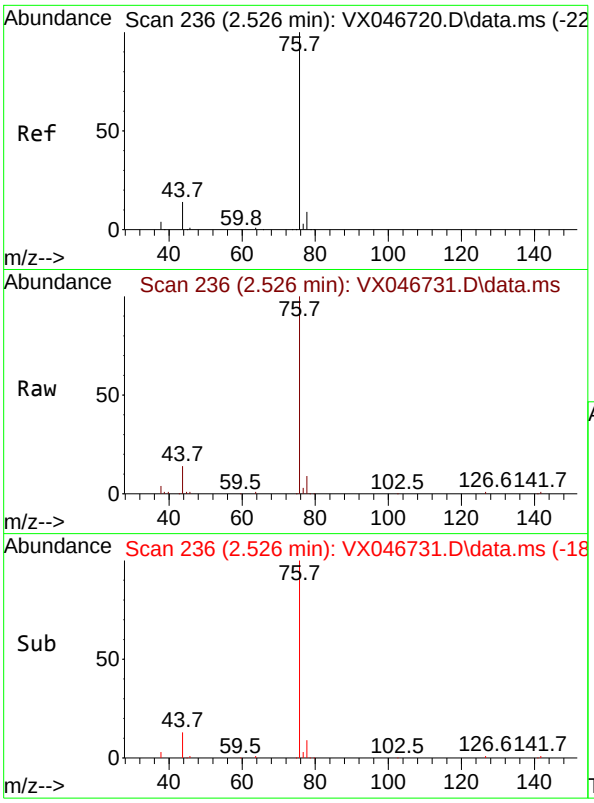




#16
Acetone
Concen: 89.902 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 64756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 24.5 | 36.7 |



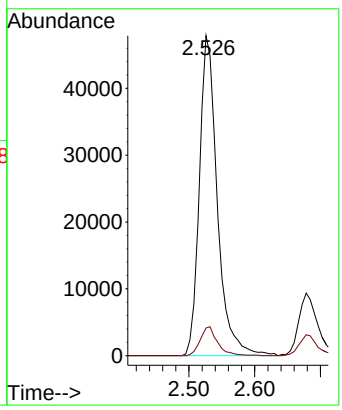


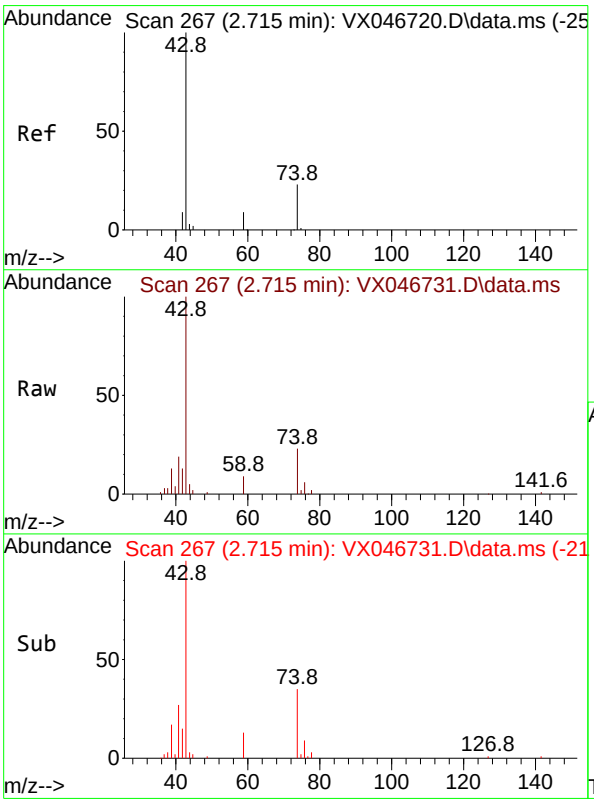

#17
Carbon Disulfide
Concen: 17.444 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 76 Resp: 90862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.5 | 11.3 |

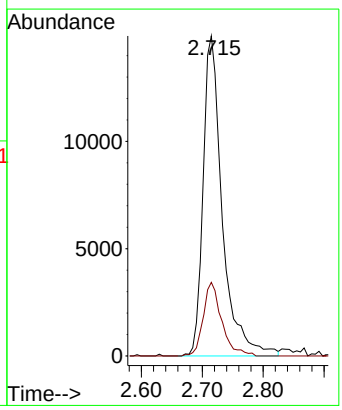


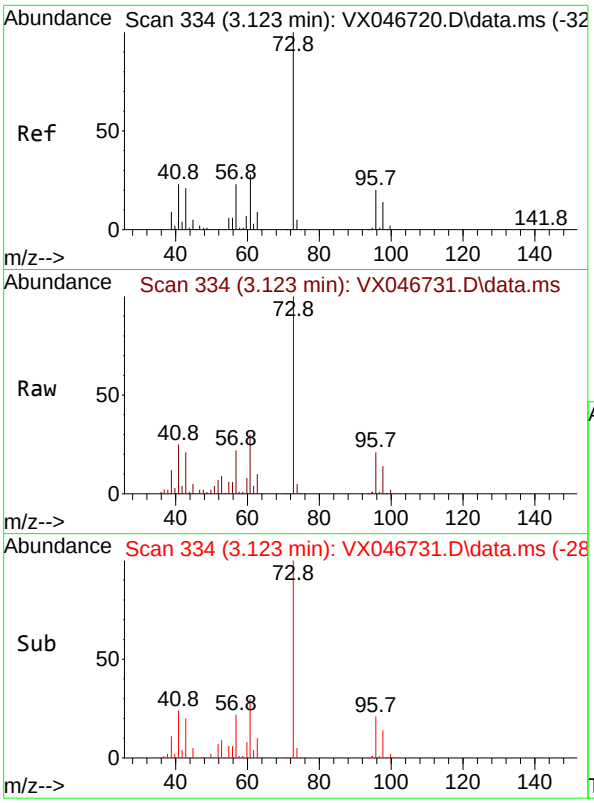




#18
Methyl Acetate
Concen: 17.862 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 32677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 18.4 | 27.6 |



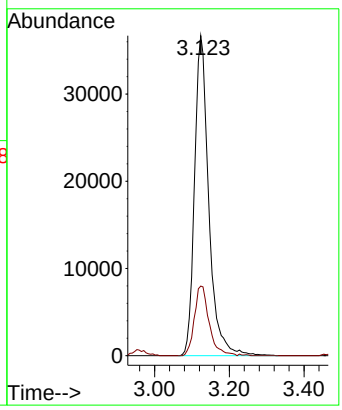


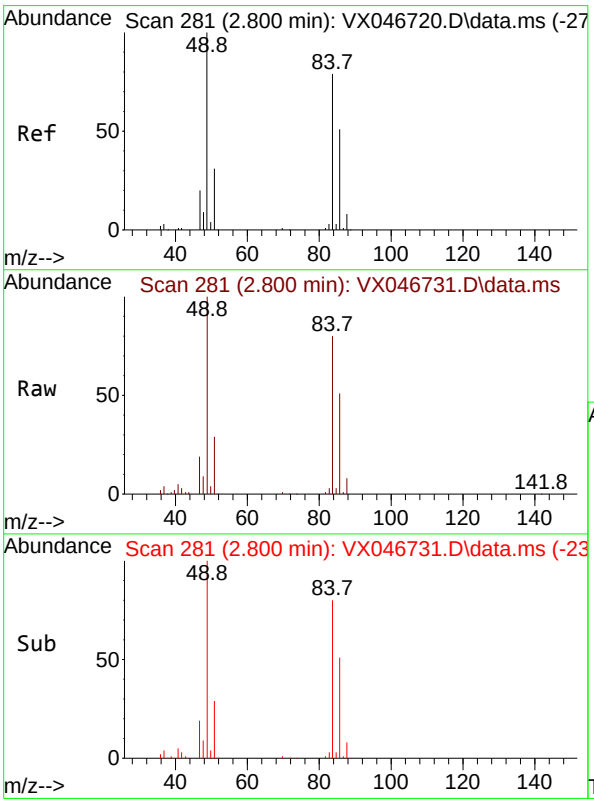

#19
Methyl tert-butyl Ether
Concen: 18.047 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 73 Resp: 96927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.2 | 18.2 | 27.2 |

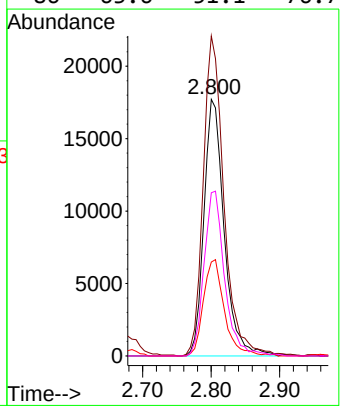


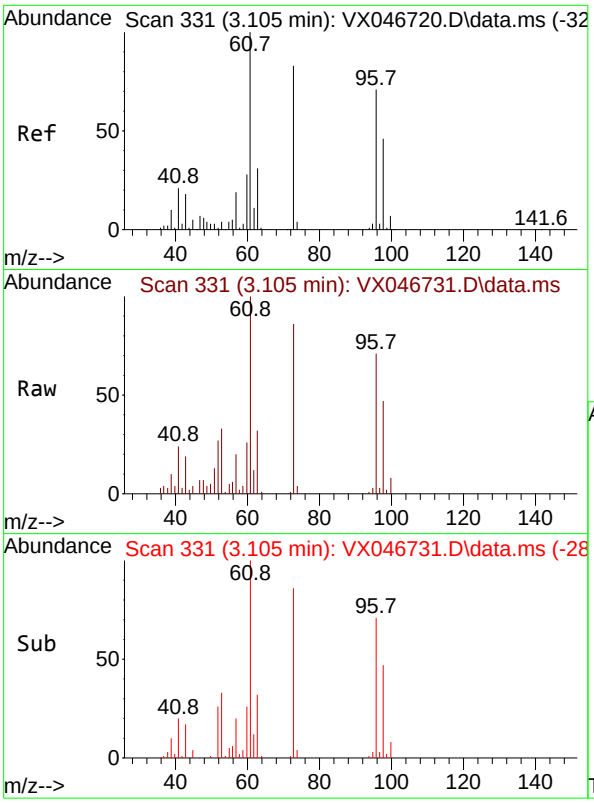




#20
Methylene Chloride
Concen: 18.175 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 84 Resp: 36406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.7 | 101.3 | 151.9 |
| 51 | 36.6 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |



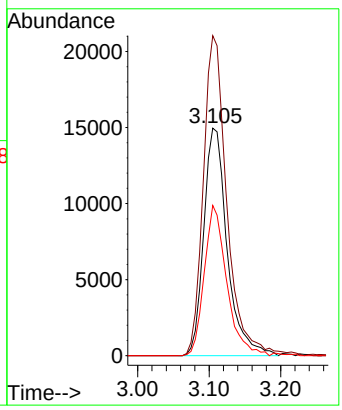


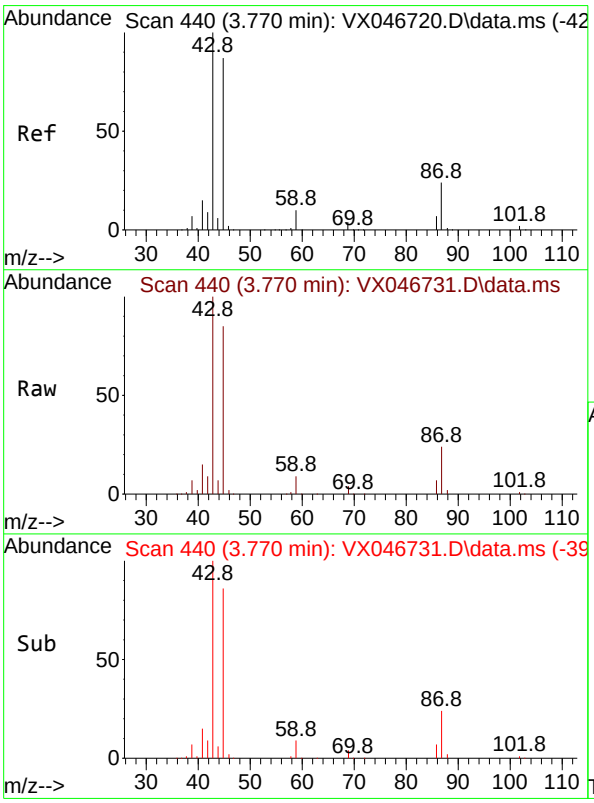

#21
trans-1,2-Dichloroethene
Concen: 18.439 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 96 Resp: 34031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.7 | 112.5 | 168.7 |
| 98 | 68.4 | 51.9 | 77.9 |

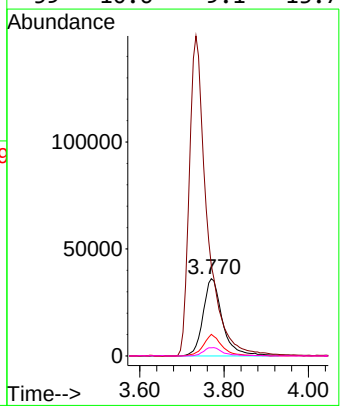


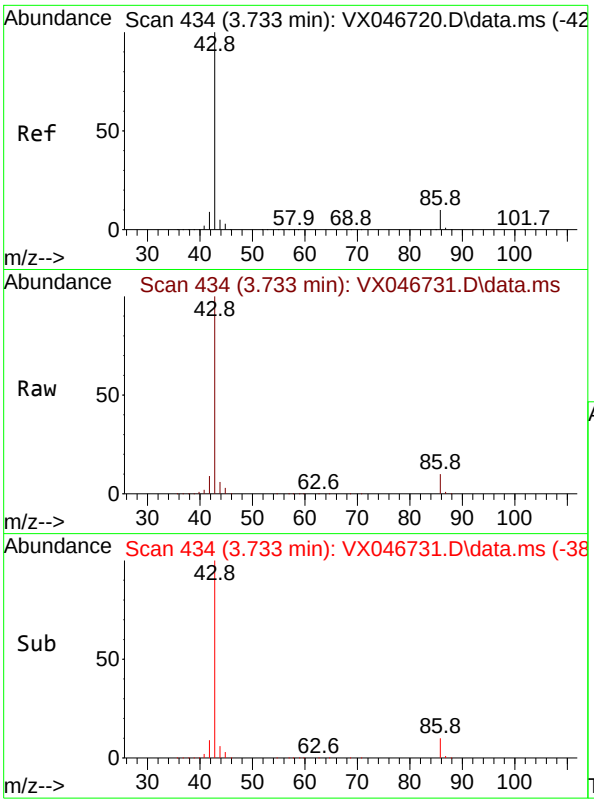




#22
Diisopropyl ether
Concen: 19.302 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 45 Resp: 115948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 116.4 | 91.9 | 137.9 |
| 87 | 28.0 | 22.0 | 33.0 |
| 59 | 10.6 | 9.1 | 13.7 |



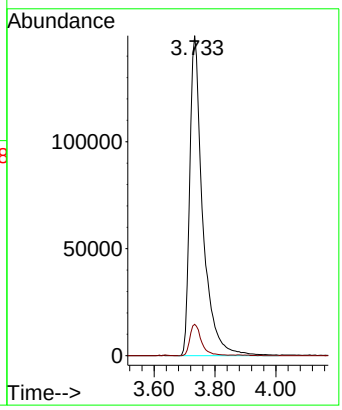


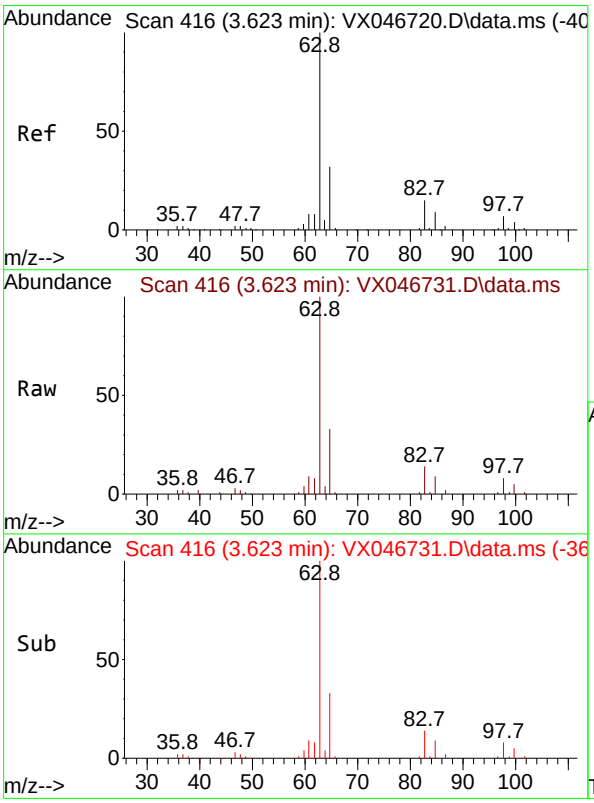

#23
Vinyl Acetate
Concen: 92.685 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 442736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 8.2 | 12.2 |

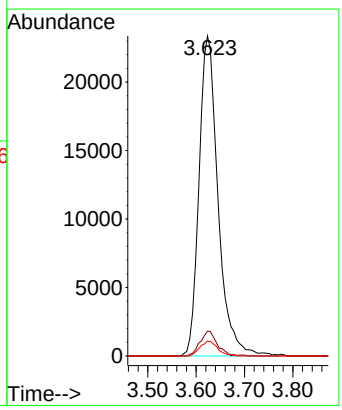


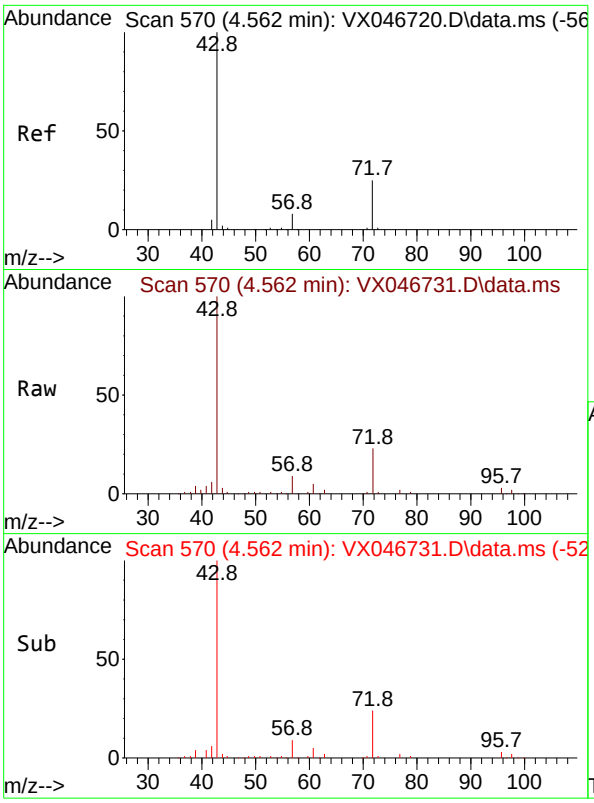




#24
1,1-Dichloroethane
Concen: 18.731 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 63 Resp: 63885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |



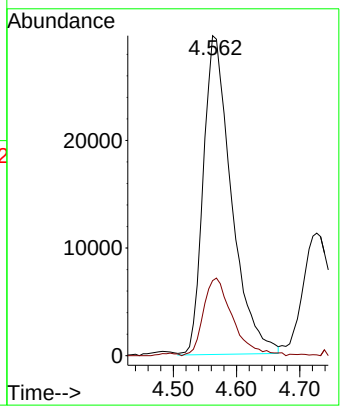


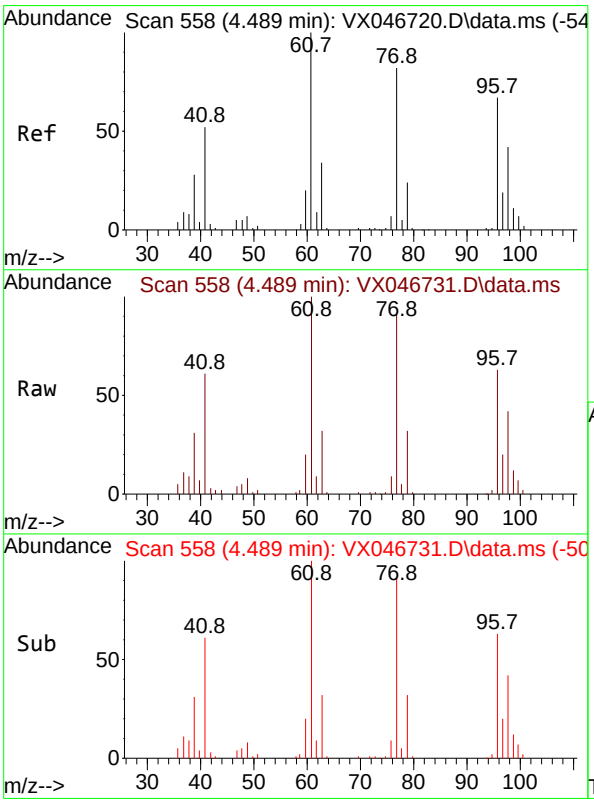

#25
2-Butanone
Concen: 89.908 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 91591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 20.2 | 30.4 |

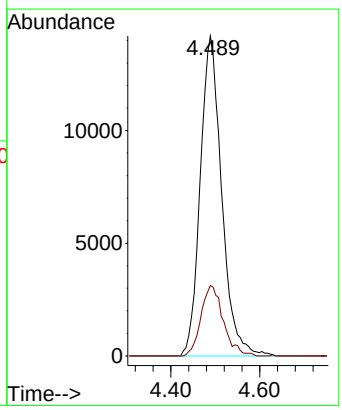


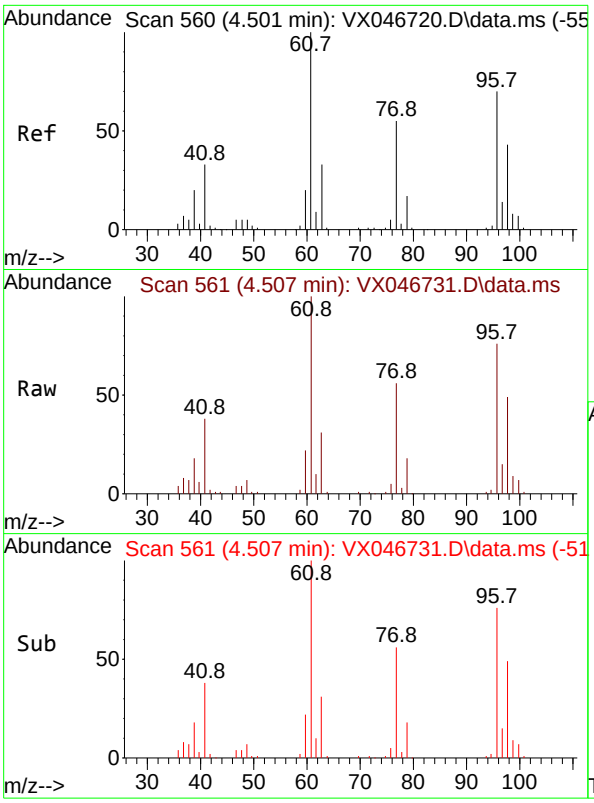




#26
2,2-Dichloropropane
Concen: 19.157 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 77 Resp: 47652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.9 | 11.8 | 35.3 |



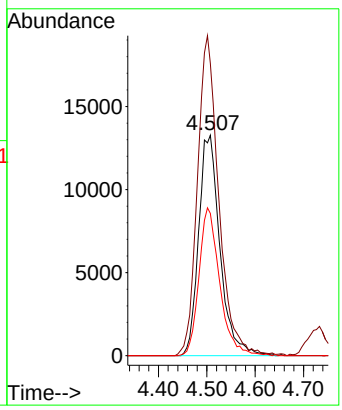


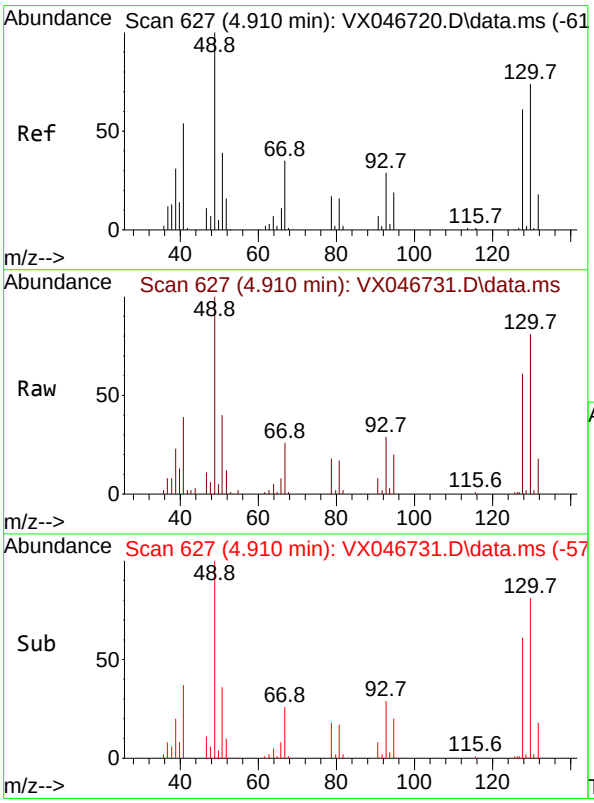

#27
cis-1,2-Dichloroethene
Concen: 18.753 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 96 Resp: 40662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.5 | 0.0 | 291.0 |
| 98 | 65.1 | 0.0 | 126.8 |

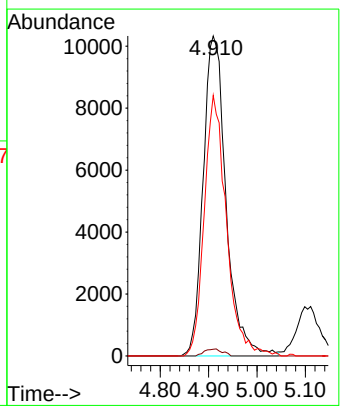


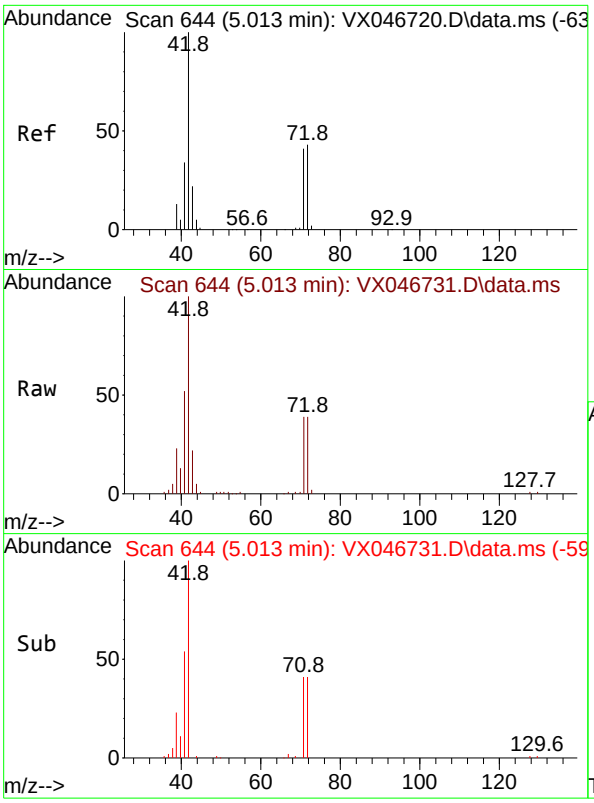




#28
Bromochloromethane
Concen: 21.974 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 49 Resp: 33976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.8 |
| 130 | 78.7 | 61.4 | 92.0 |



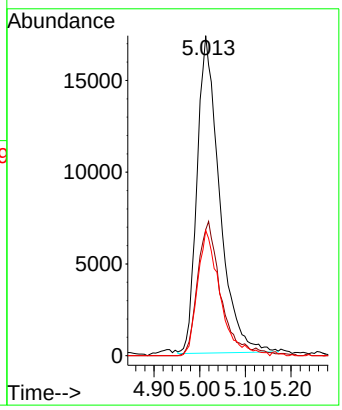


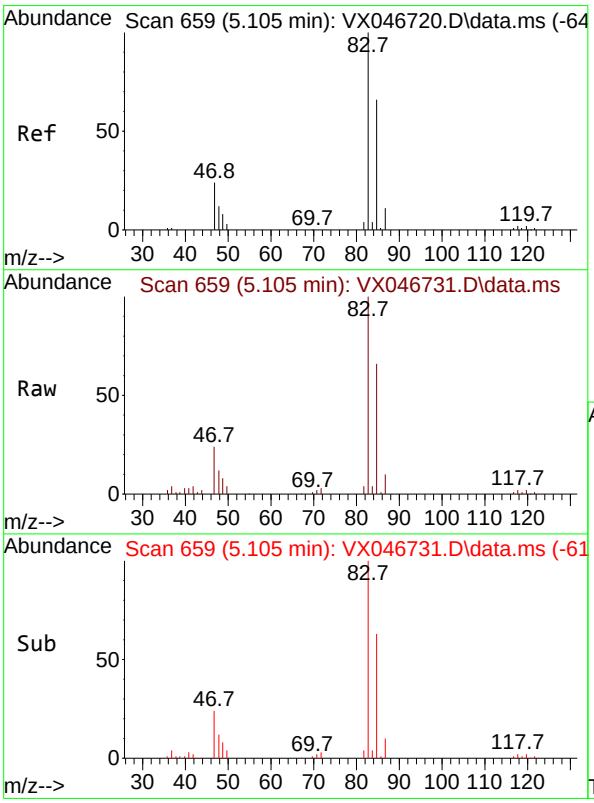

#29
Tetrahydrofuran
Concen: 89.743 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 42 Resp: 59051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 34.9 | 52.3 |
| 71 | 39.7 | 32.2 | 48.2 |

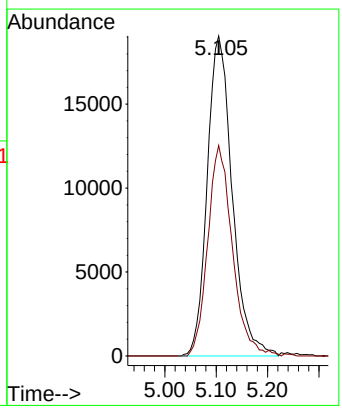


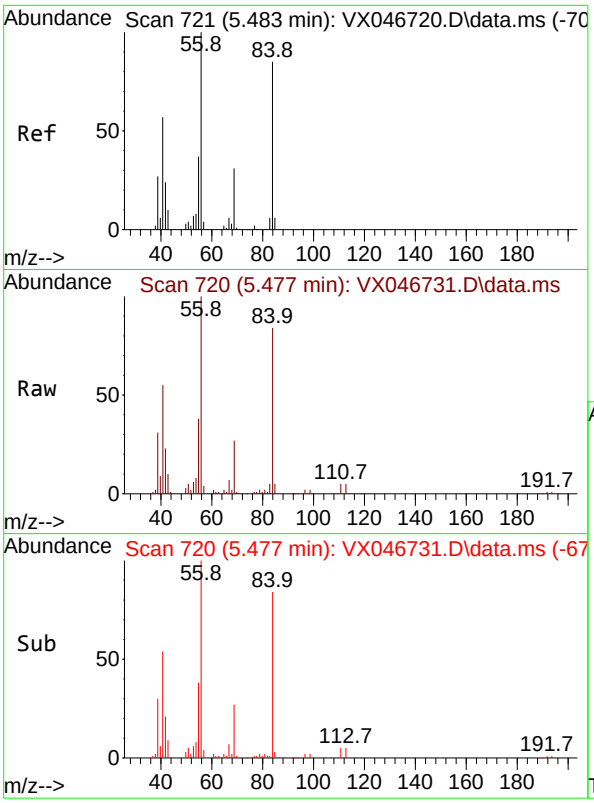




#30
Chloroform
Concen: 18.899 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 83 Resp: 64462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 53.7 | 80.5 |



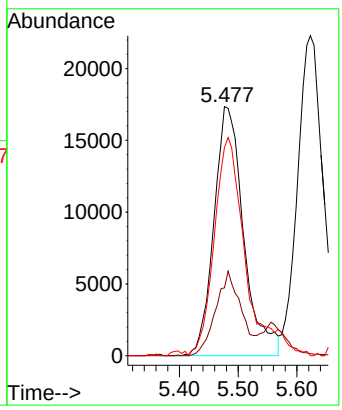


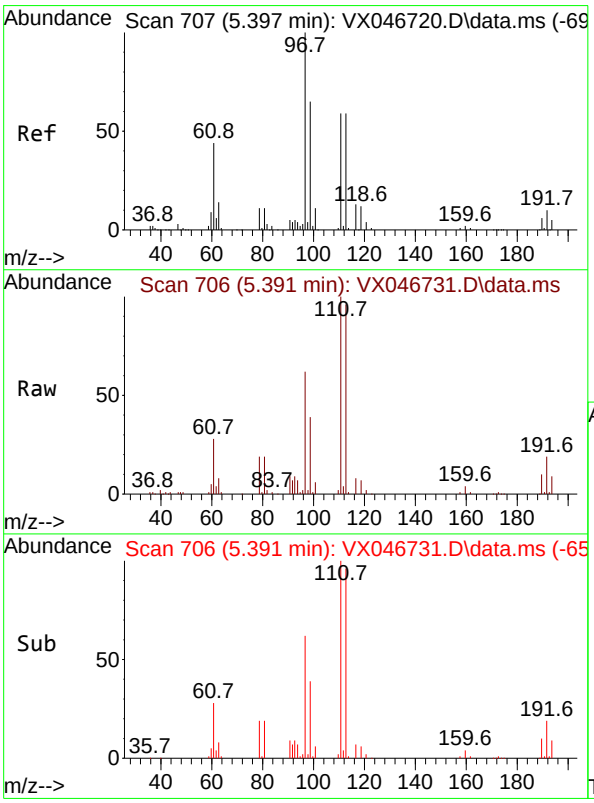

#31
Cyclohexane
Concen: 18.830 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 56 Resp: 60903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.9 | 24.8 | 37.2 |
| 84 | 81.6 | 68.2 | 102.2 |

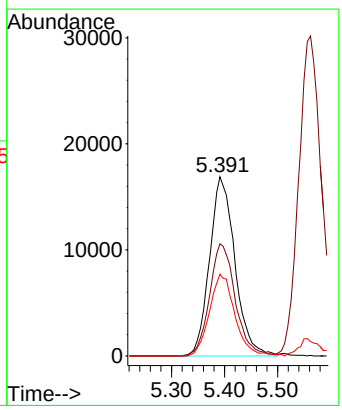


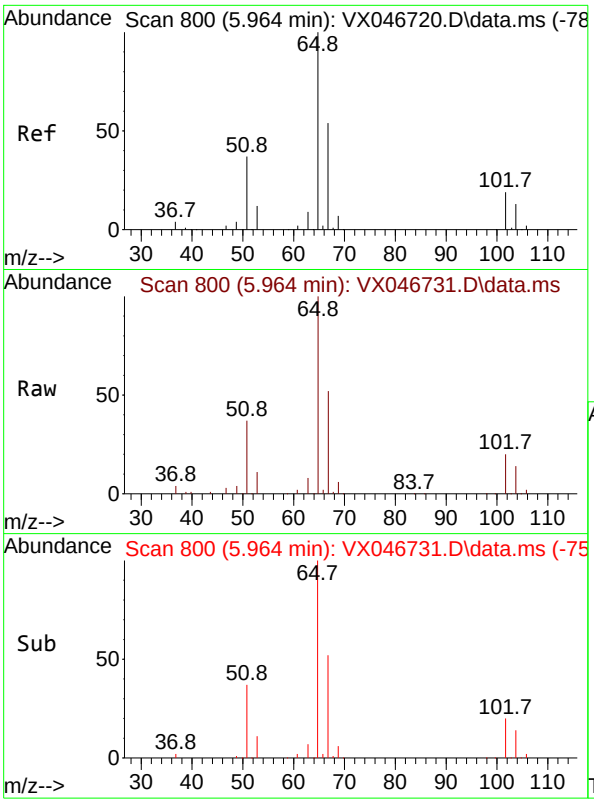




#32
1,1,1-Trichloroethane
Concen: 18.760 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 97 Resp: 56117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 51.3 | 76.9 |
| 61 | 45.7 | 36.4 | 54.6 |



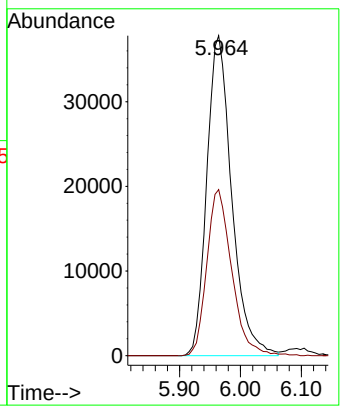


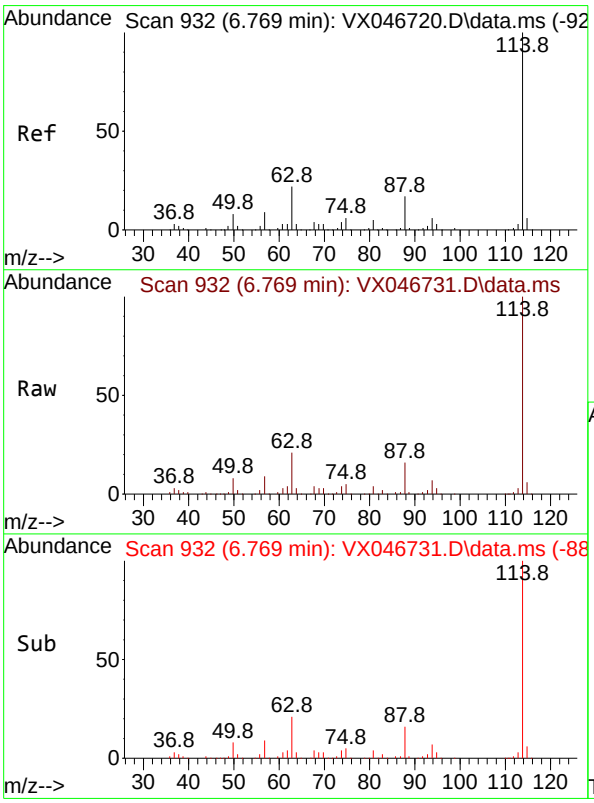

#33
1,2-Dichloroethane-d4
Concen: 49.703 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 65 Resp: 107357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 105.4 |

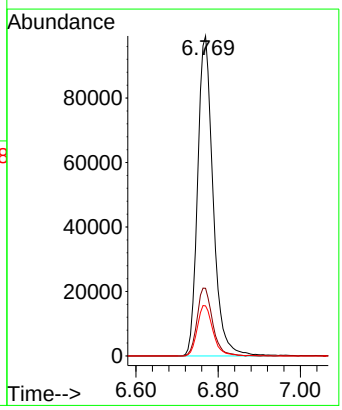


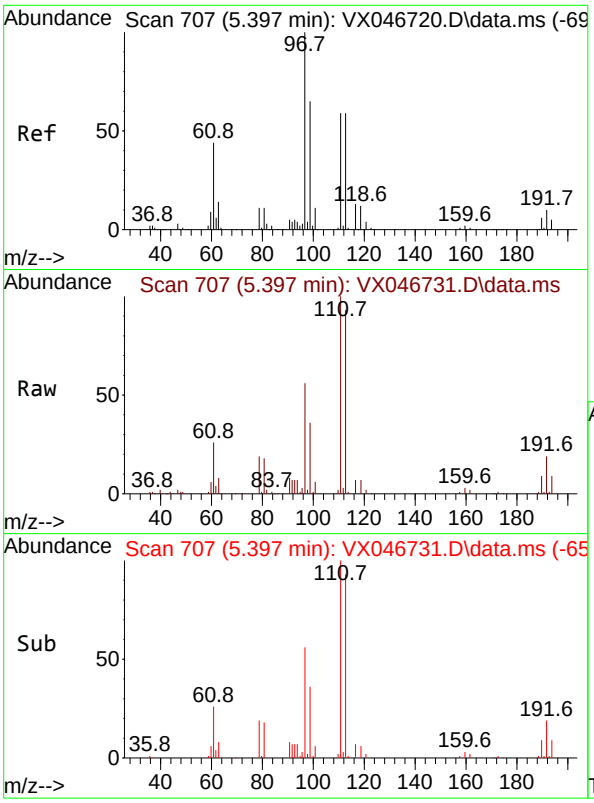




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:114 Resp: 258286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.2 |
| 88 | 15.6 | 0.0 | 33.2 |



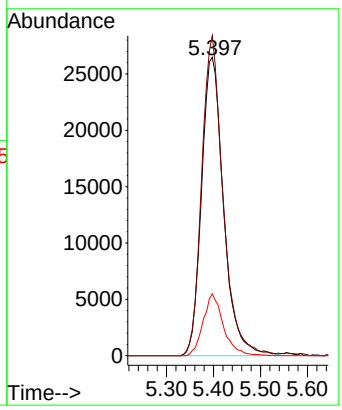


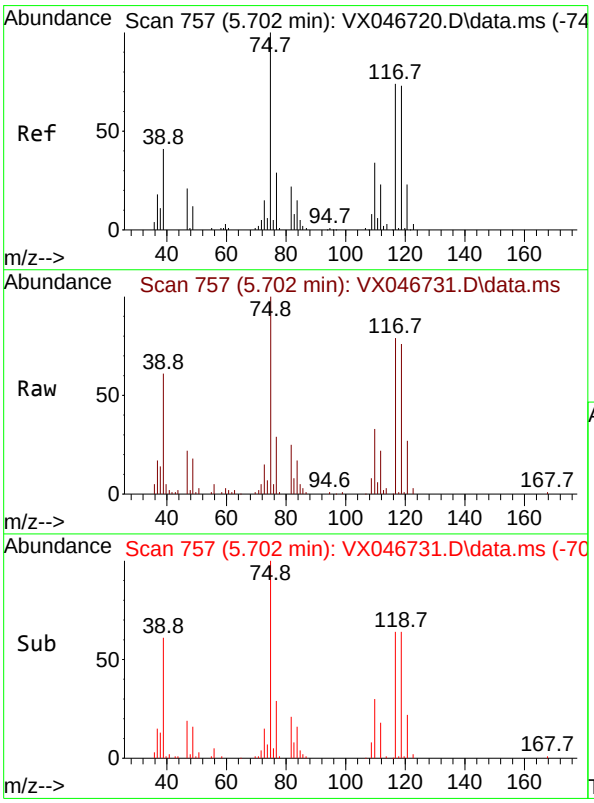

#35
Dibromofluoromethane
Concen: 50.499 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:113 Resp: 86297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |

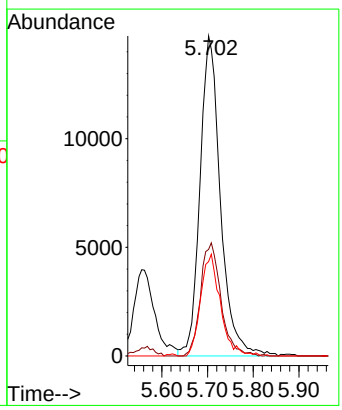


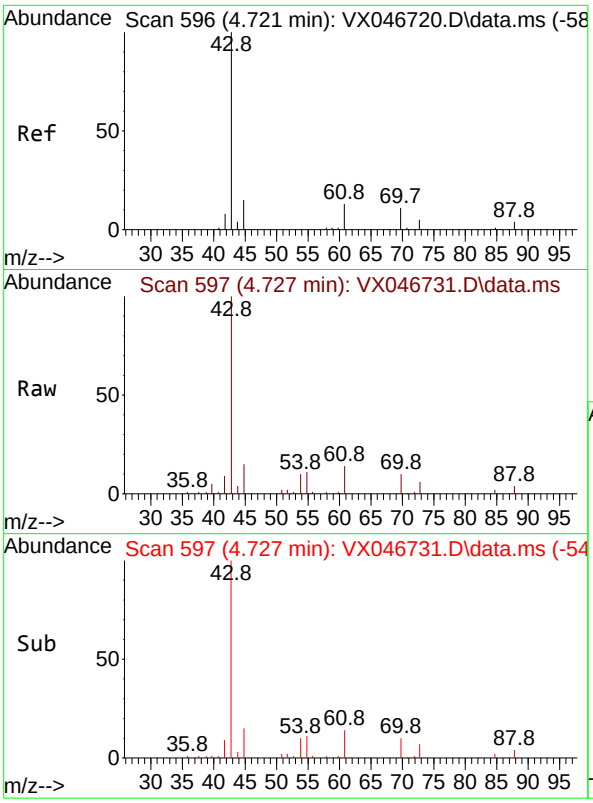




#36
1,1-Dichloropropene
Concen: 18.601 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 45886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.2 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |



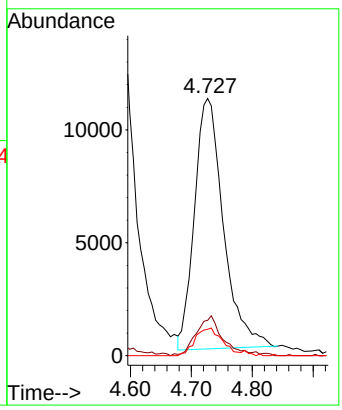


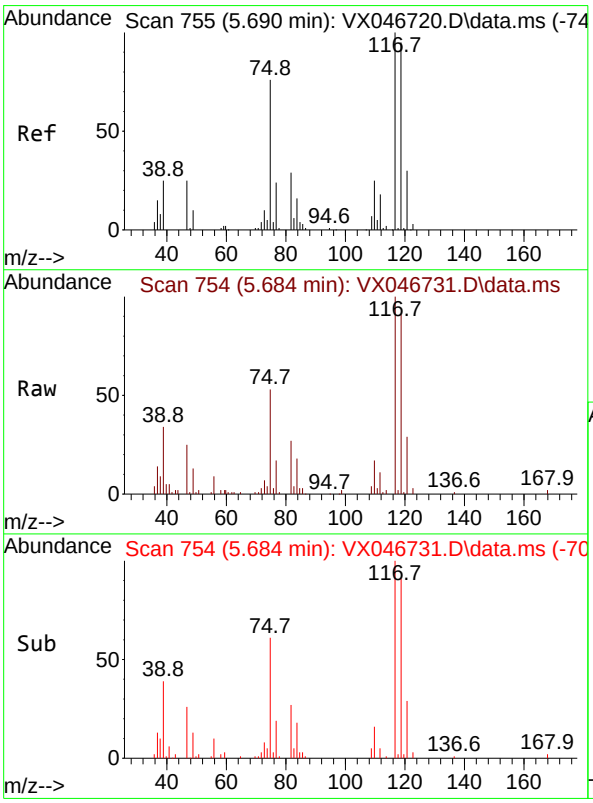

#37
Ethyl Acetate
Concen: 16.094 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 36646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.9 | 9.7 | 14.5# |
| 70 | 10.8 | 8.1 | 12.1 |

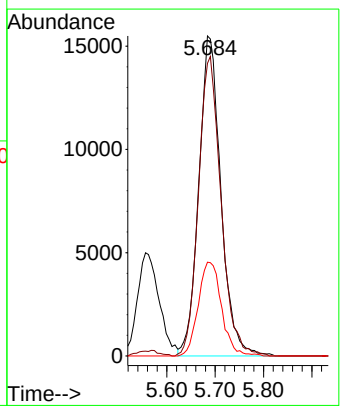


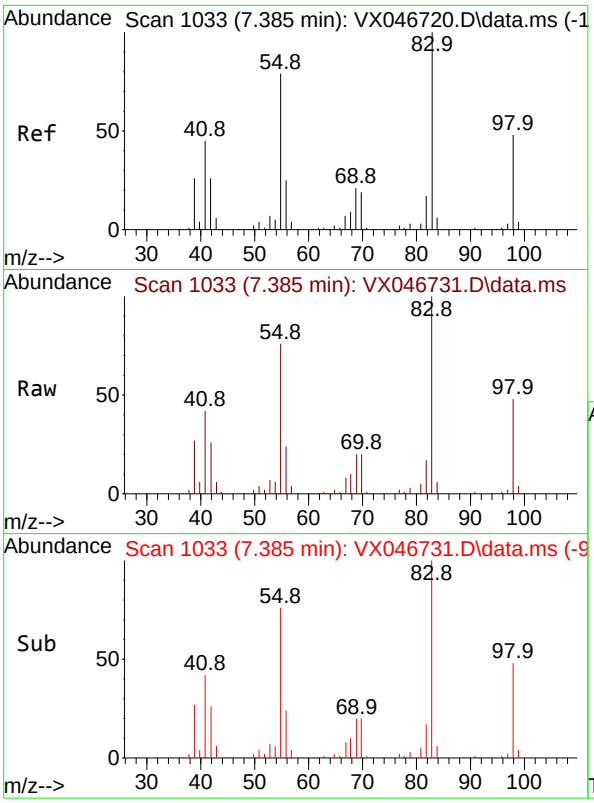




#38
Carbon Tetrachloride
Concen: 18.375 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:117 Resp: 49192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.4 | 75.2 | 112.8 |
| 121 | 29.3 | 24.1 | 36.1 |



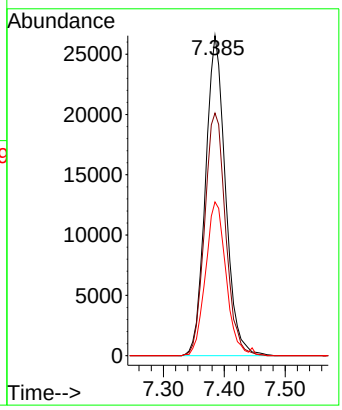


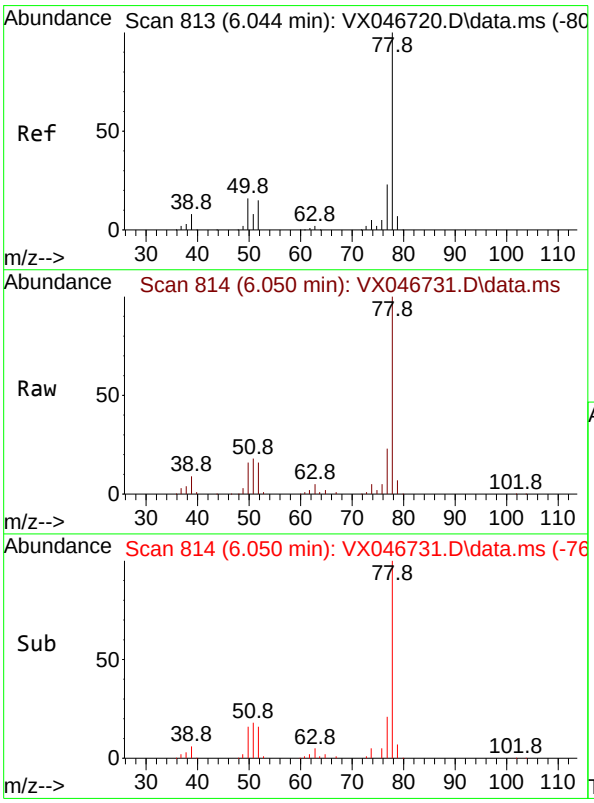

#39
Methylcyclohexane
Concen: 18.628 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 83 Resp: 60470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.8 | 63.0 | 94.4 |
| 98 | 48.1 | 38.8 | 58.2 |

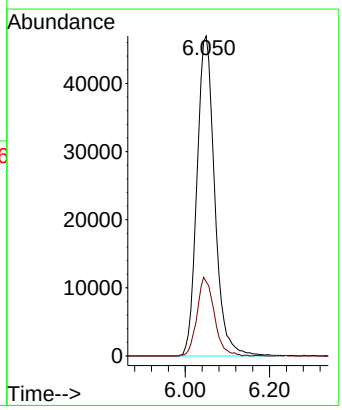


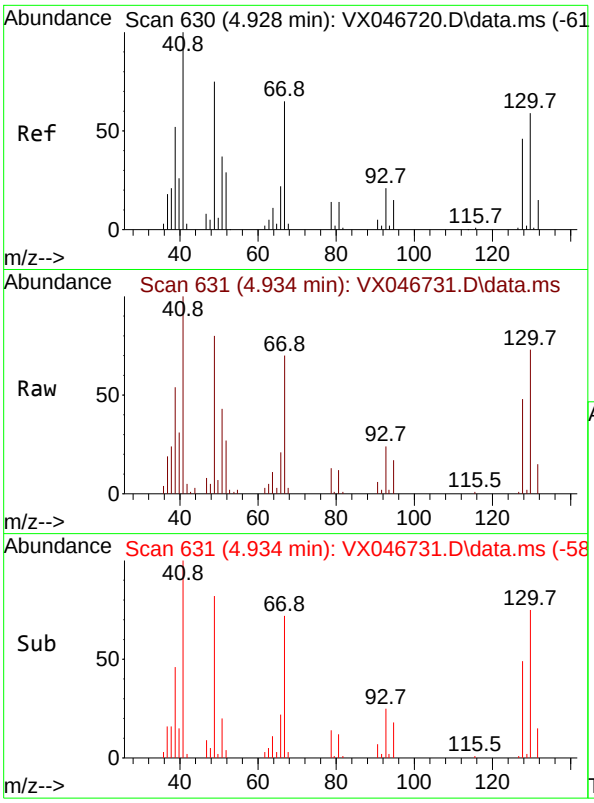




#40
Benzene
Concen: 18.845 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 78 Resp: 137579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.8 | 28.2 |



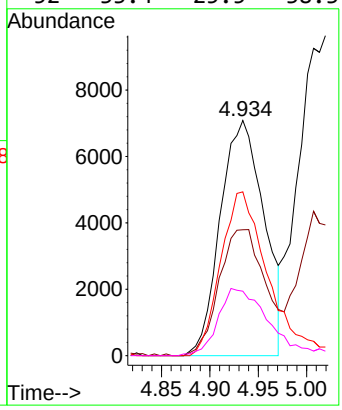


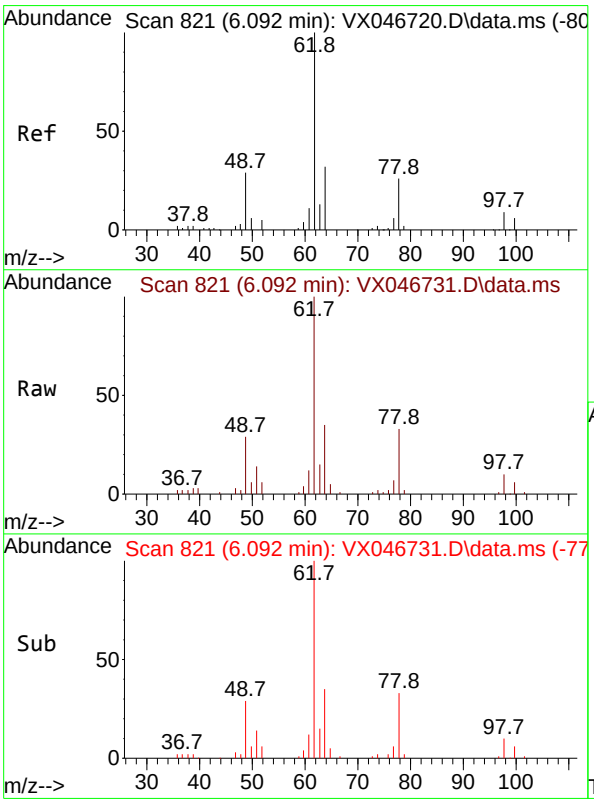

#41
Methacrylonitrile
Concen: 18.378 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 41 Resp: 22309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.7 | 45.9 | 68.9 |
| 67 | 75.9 | 61.2 | 91.8 |
| 52 | 33.4 | 25.5 | 38.3 |

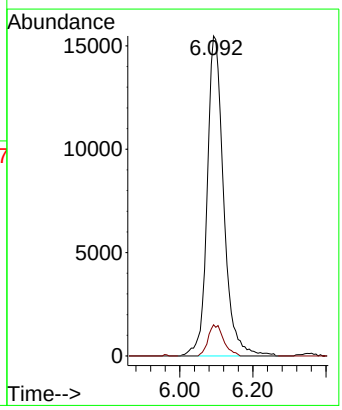


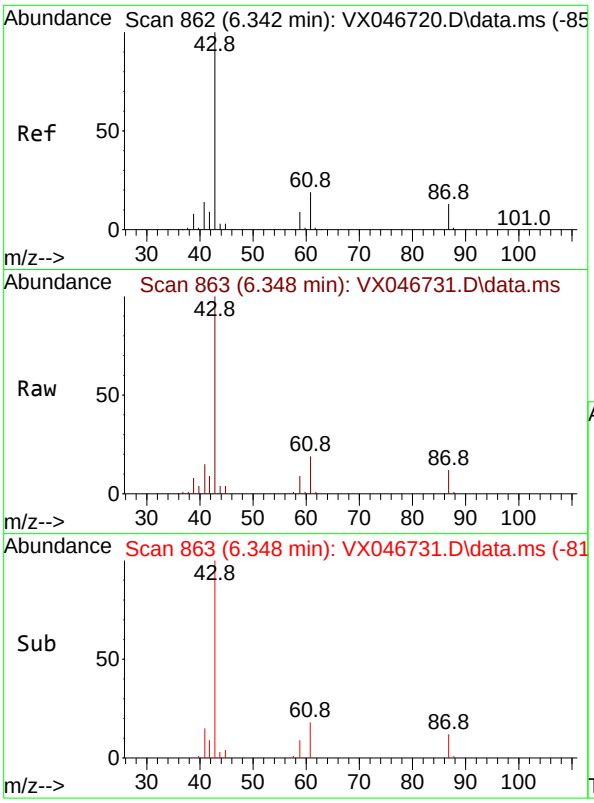




#42
1,2-Dichloroethane
Concen: 18.805 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 62 Resp: 48245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.8 |



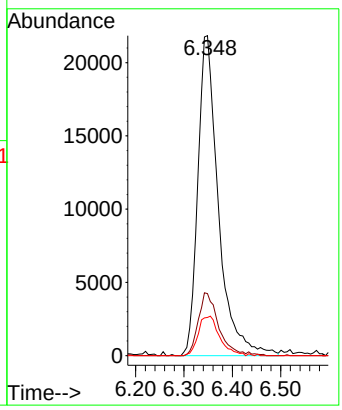


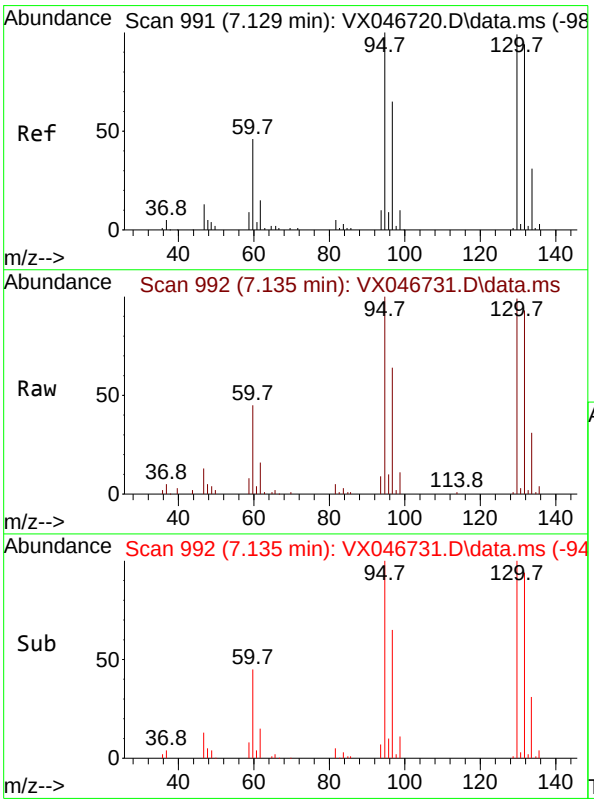

#43
Isopropyl Acetate
Concen: 18.129 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 64595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.6 | 15.3 | 22.9 |
| 87 | 12.8 | 10.0 | 15.0 |

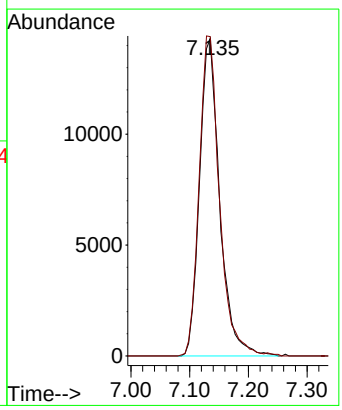


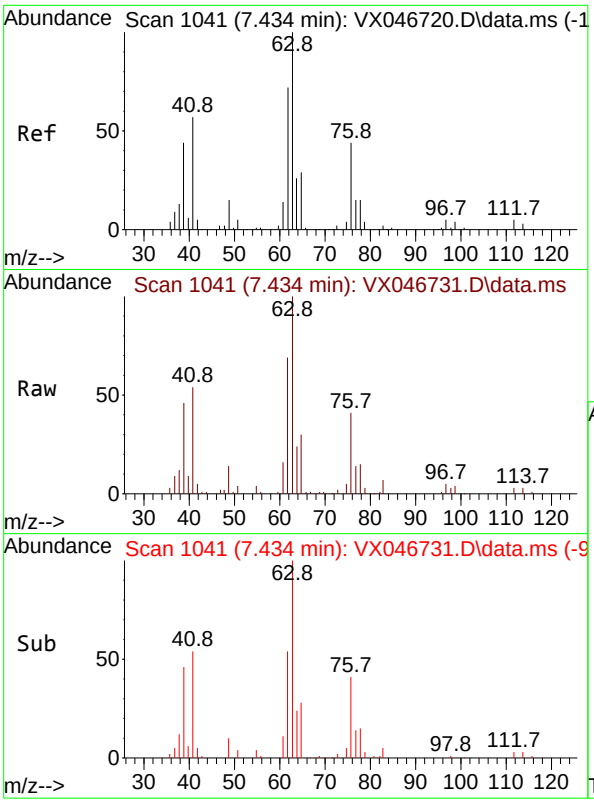




#44
Trichloroethene
Concen: 18.336 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:130 Resp: 34115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.6 | 0.0 | 202.6 |



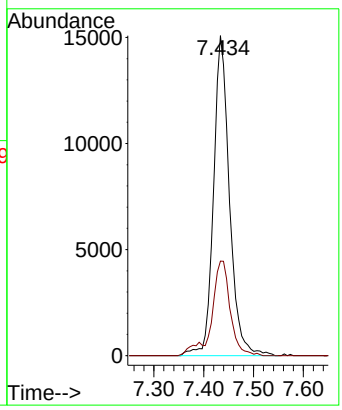


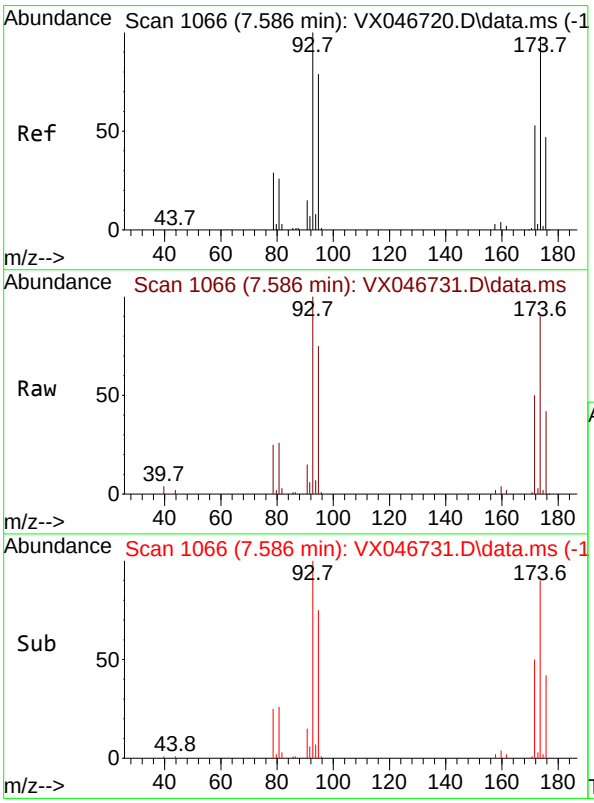

#45
1,2-Dichloropropane
Concen: 18.535 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 63 Resp: 33537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 22.9 | 34.3 |

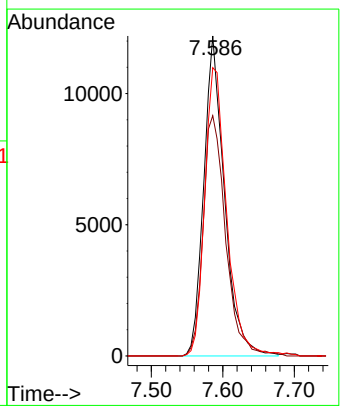


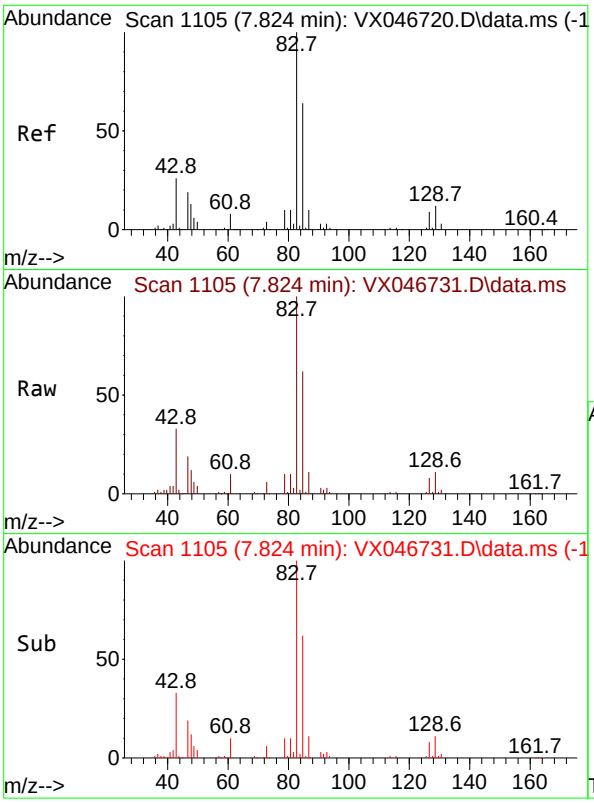




#46
Dibromomethane
Concen: 18.841 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 93 Resp: 24500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.5 | 66.2 | 99.4 |
| 174 | 96.0 | 77.0 | 115.6 |



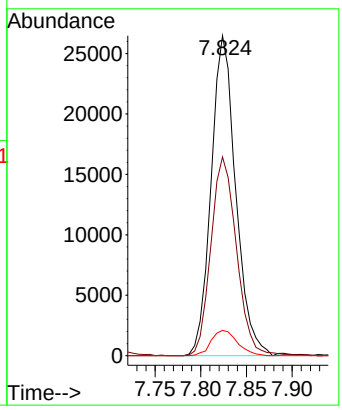


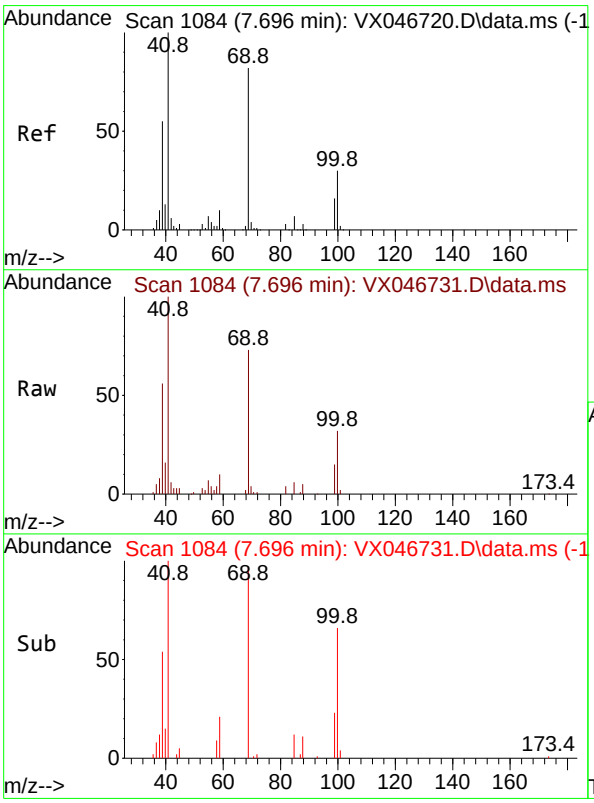

#47
Bromodichloromethane
Concen: 18.694 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 83 Resp: 49606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 51.4 | 77.2 |
| 127 | 7.9 | 6.9 | 10.3 |

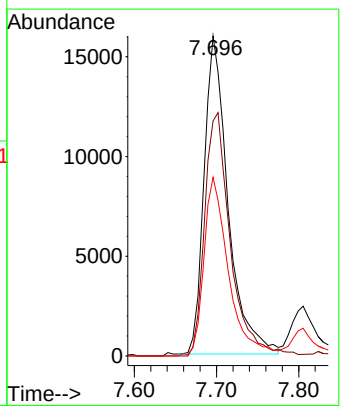


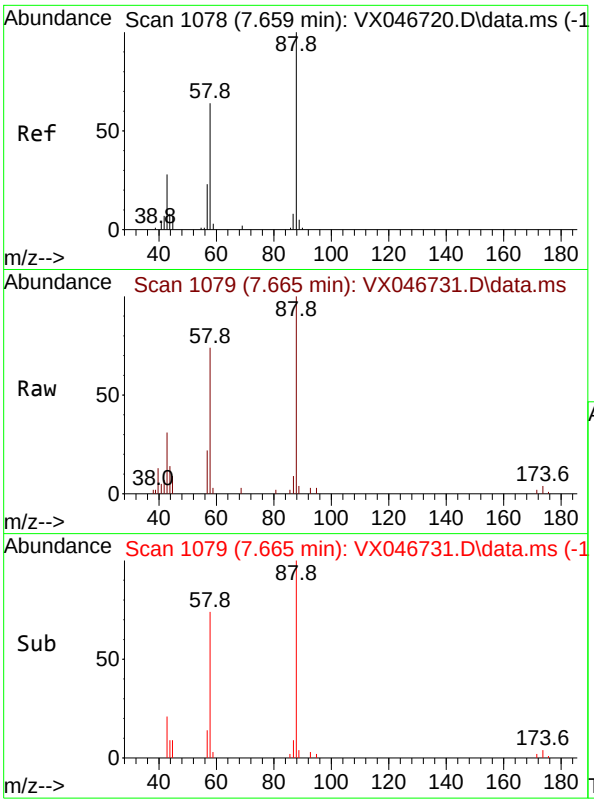




#48
Methyl methacrylate
Concen: 18.122 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 41 Resp: 32385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.8 | 63.4 | 95.2 |
| 39 | 57.5 | 45.4 | 68.0 |



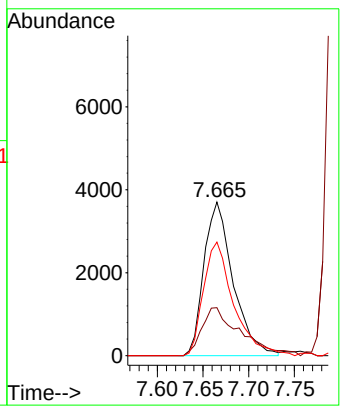


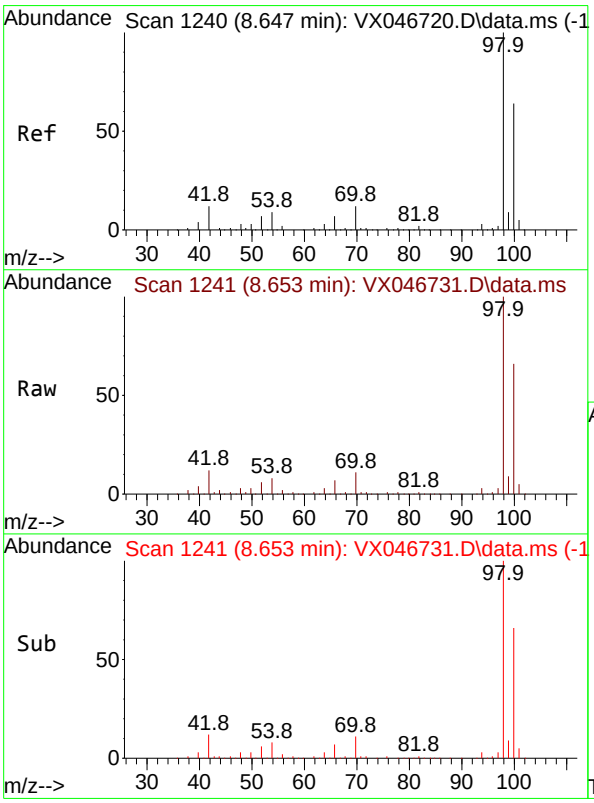

#49
1,4-Dioxane
Concen: 335.186 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 88 Resp: 8212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 31.2 | 46.8 |
| 58 | 76.6 | 54.7 | 82.1 |

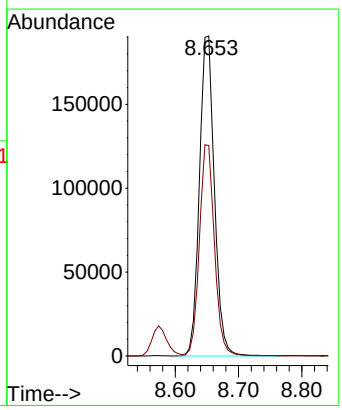


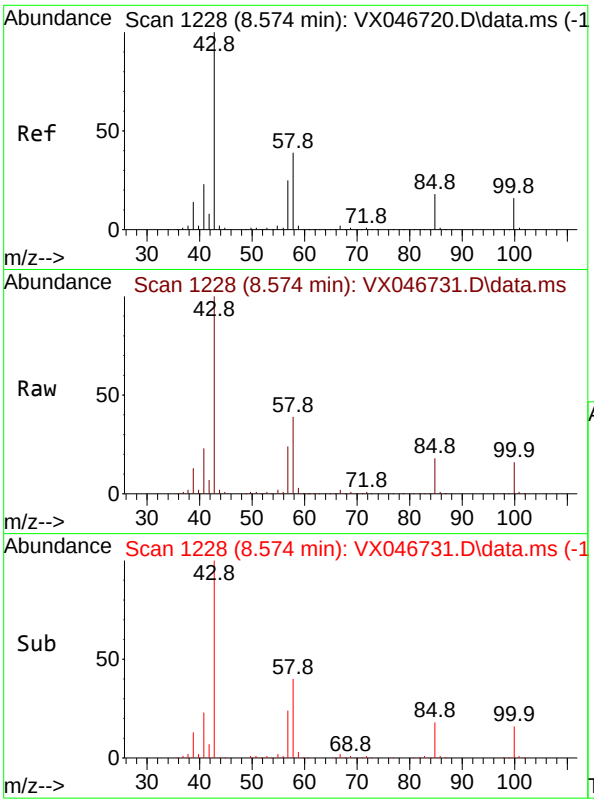




#50
Toluene-d8
Concen: 51.335 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 98 Resp: 315181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |



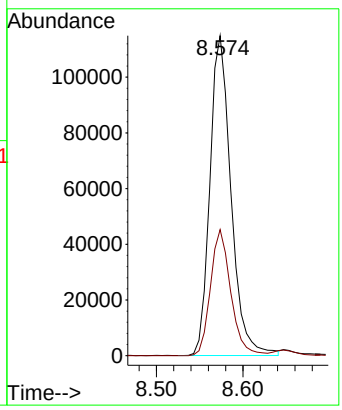


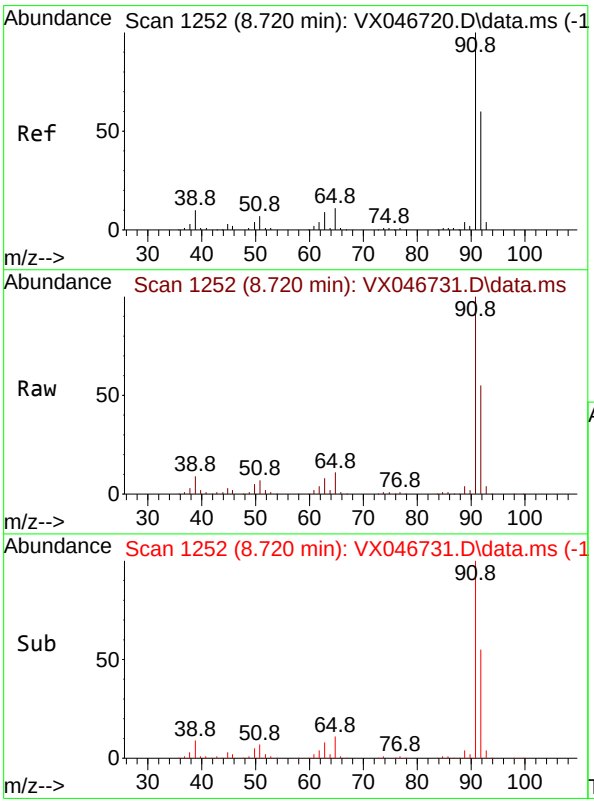

#51
4-Methyl-2-Pentanone
Concen: 91.344 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 194118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.8 | 46.2 |

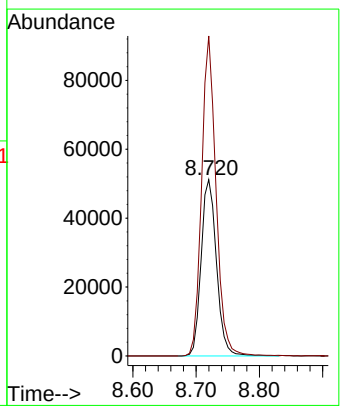


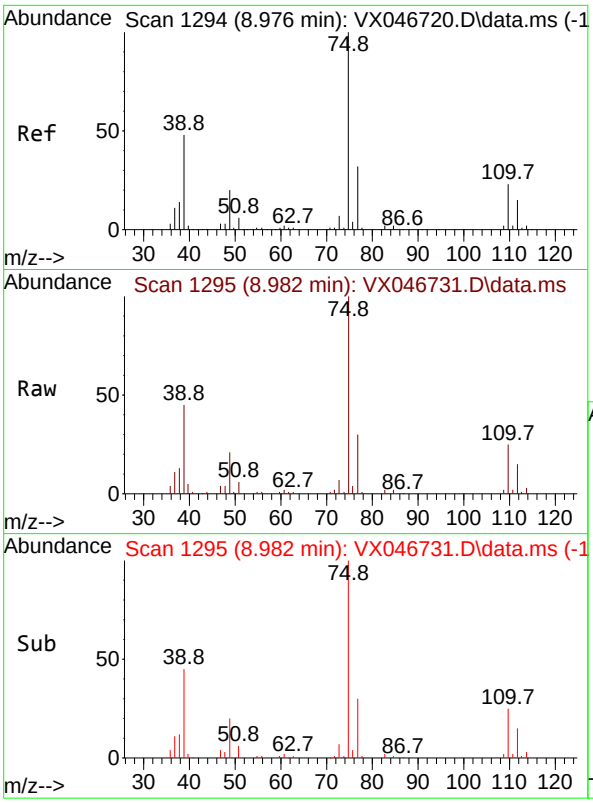




#52
Toluene
Concen: 19.090 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 92 Resp: 86400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 134.8 | 202.2 |



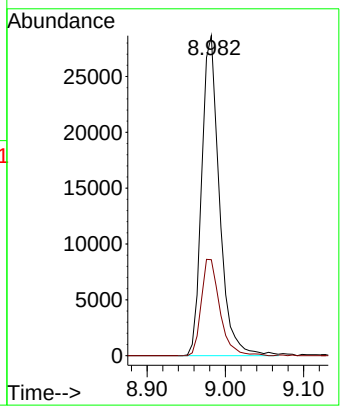


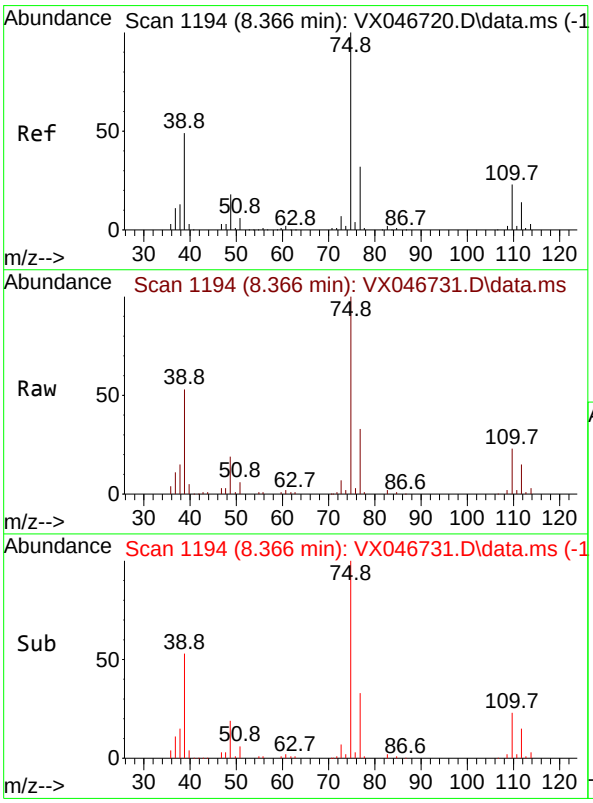

#53
t-1,3-Dichloropropene
Concen: 18.263 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 75 Resp: 44965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 25.6 | 38.4 |

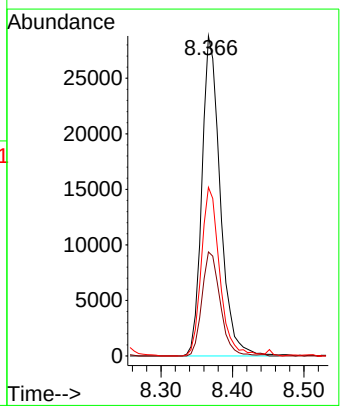


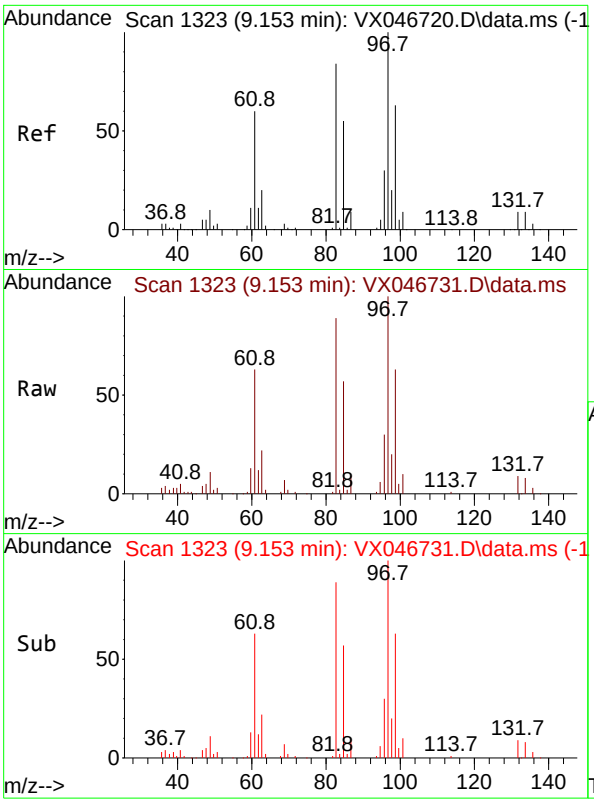




#54
cis-1,3-Dichloropropene
Concen: 18.372 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 51349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 25.3 | 37.9 |
| 39 | 52.7 | 39.2 | 58.8 |



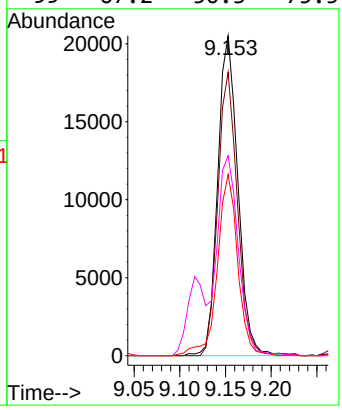


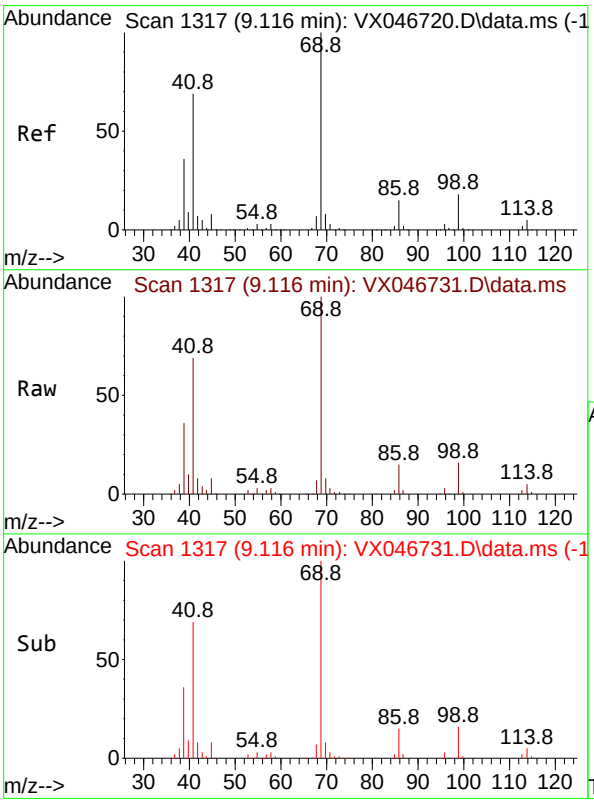

#55
1,1,2-Trichloroethane
Concen: 18.674 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 97 Resp: 31497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.6 | 67.2 | 100.8 |
| 85 | 56.6 | 44.1 | 66.1 |
| 99 | 67.2 | 50.3 | 75.5 |

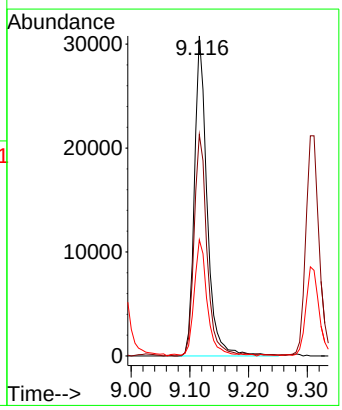


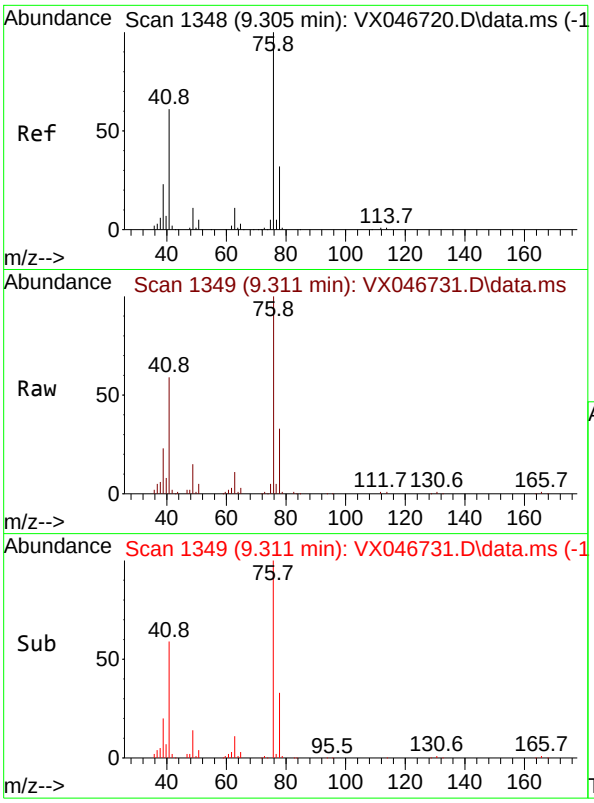




#56
Ethyl methacrylate
Concen: 18.500 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 69 Resp: 46060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.1 | 55.4 | 83.2 |
| 39 | 37.7 | 29.7 | 44.5 |



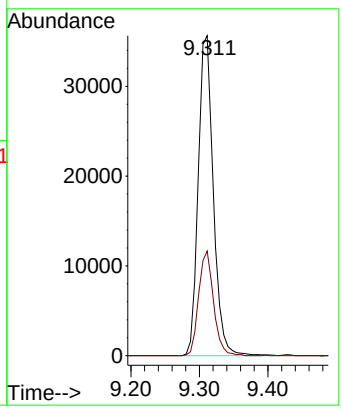


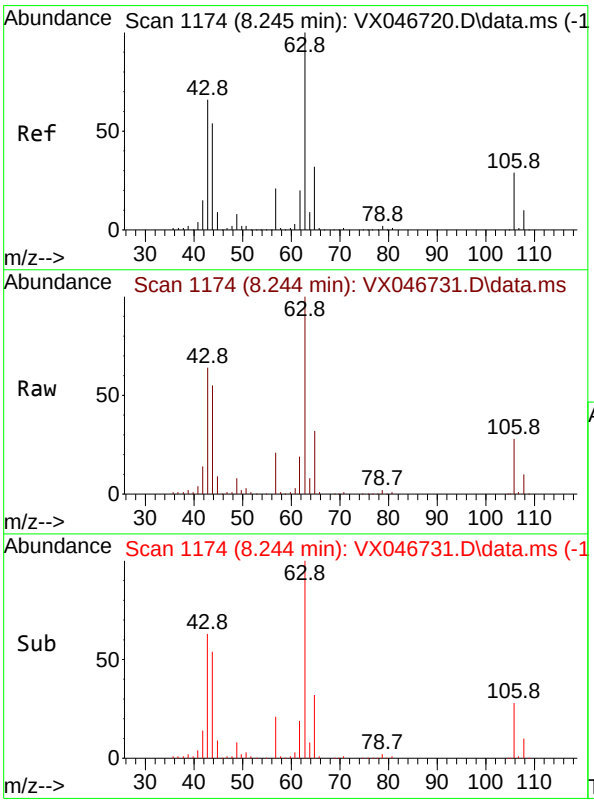

#57
1,3-Dichloropropane
Concen: 18.853 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 76 Resp: 54758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.7 | 38.5 |

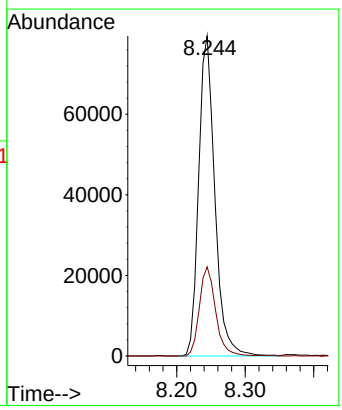


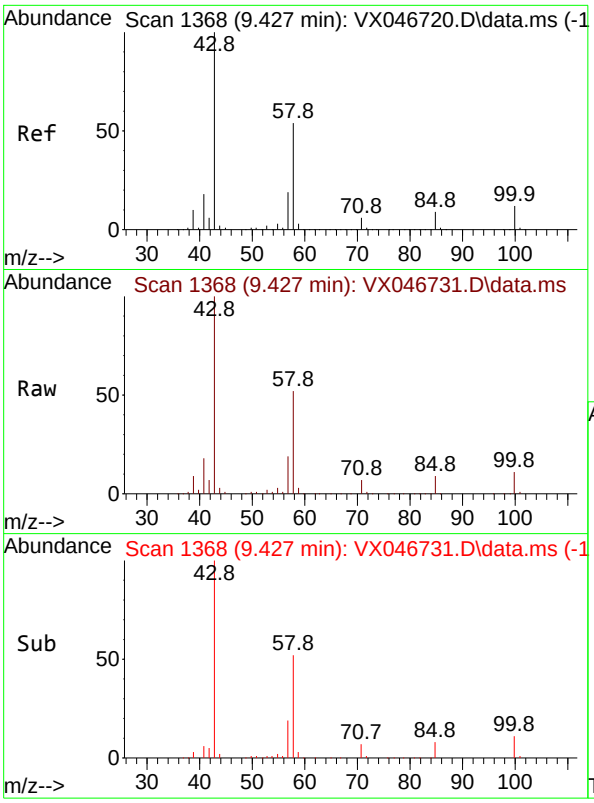




#58
2-Chloroethyl Vinyl ether
Concen: 100.816 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 63 Resp: 130389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.6 | 34.0 |



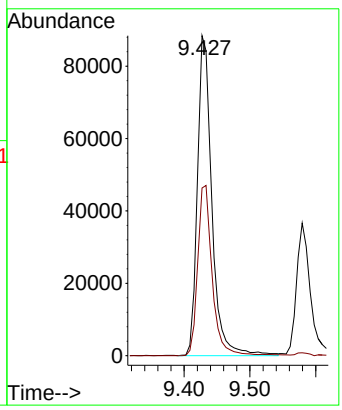


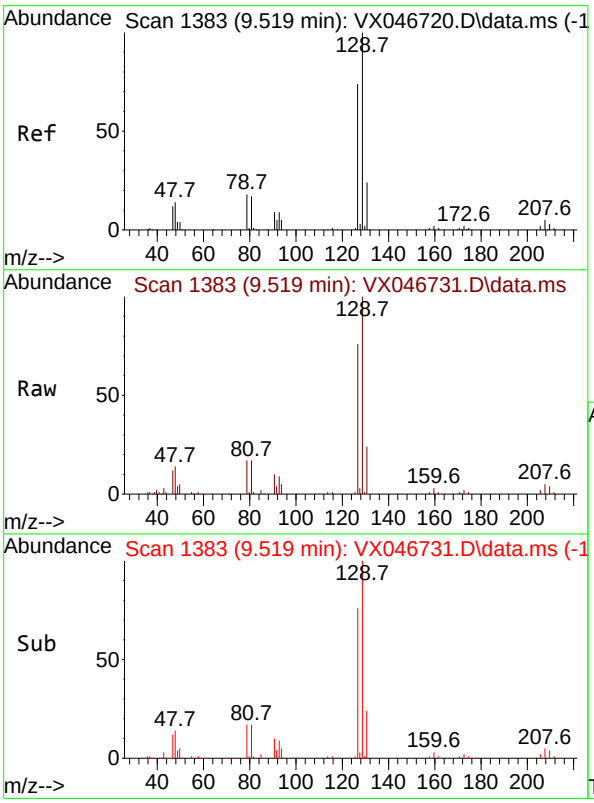

#59
2-Hexanone
Concen: 92.207 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 43 Resp: 135469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.8 | 80.4 |

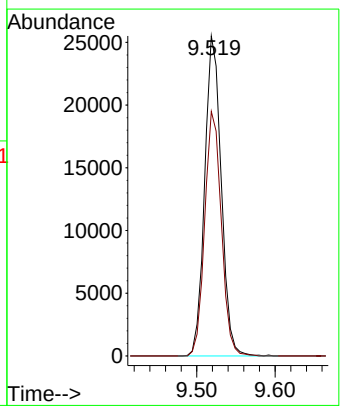


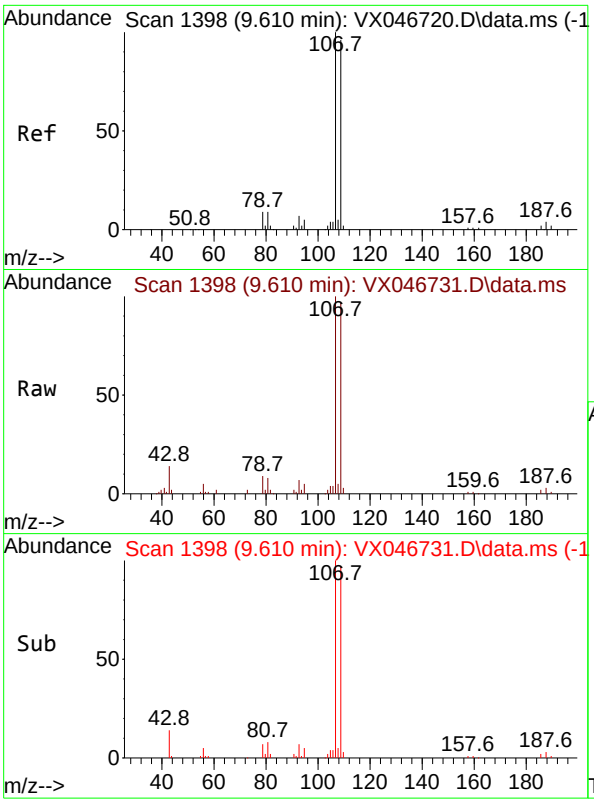




#60
Dibromochloromethane
Concen: 18.767 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:129 Resp: 37303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.7 | 38.4 | 115.2 |



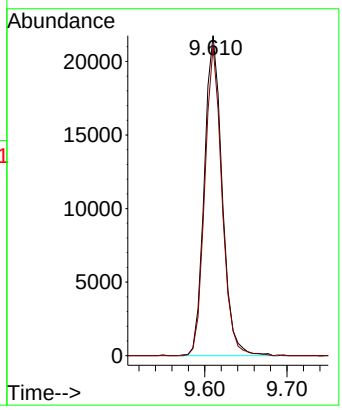


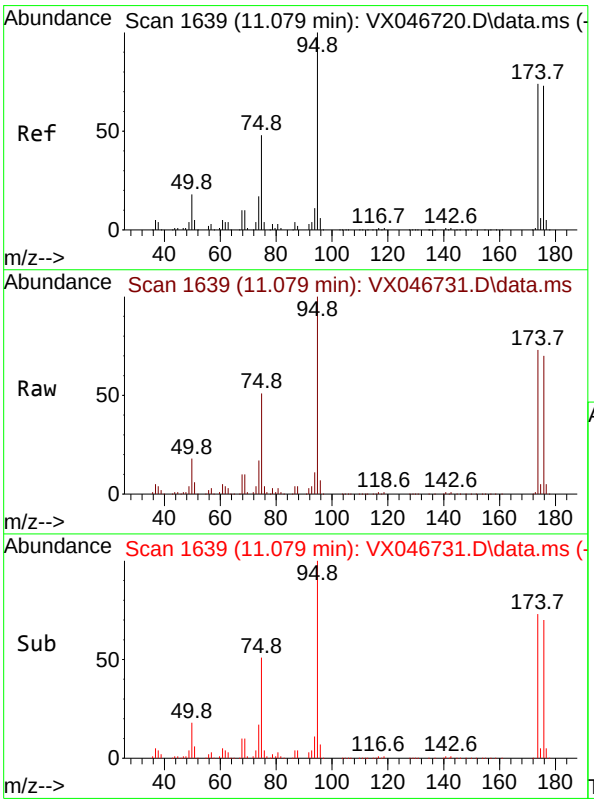

#61
1,2-Dibromoethane
Concen: 19.131 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:107 Resp: 32821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.2 | 75.8 | 113.6 |

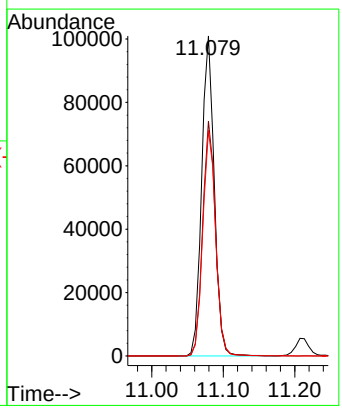


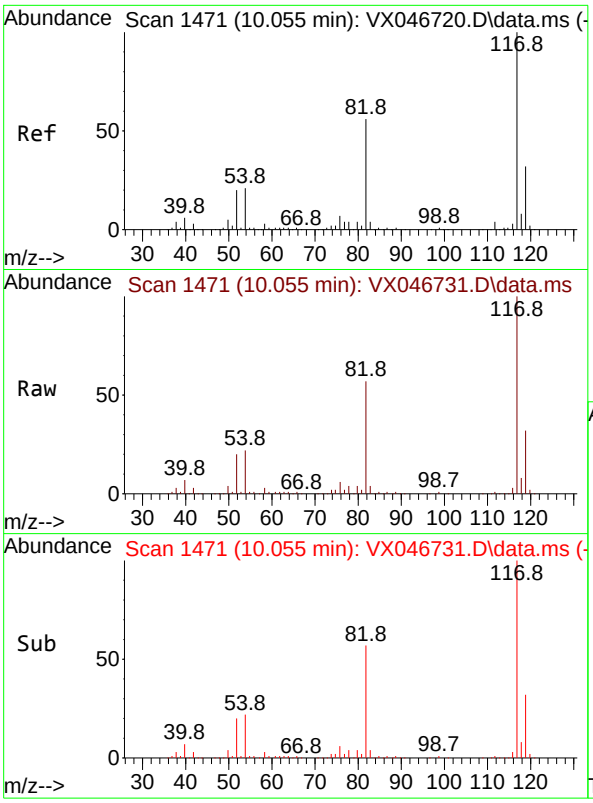




#62
4-Bromofluorobenzene
Concen: 53.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 95 Resp: 123307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.0 | 0.0 | 150.4 |
| 176 | 72.3 | 0.0 | 145.0 |



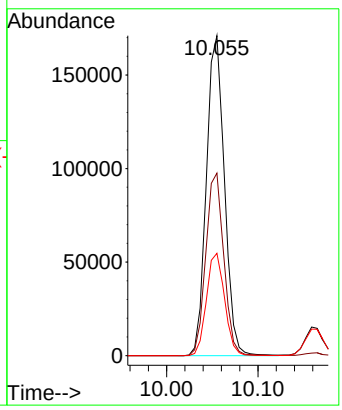


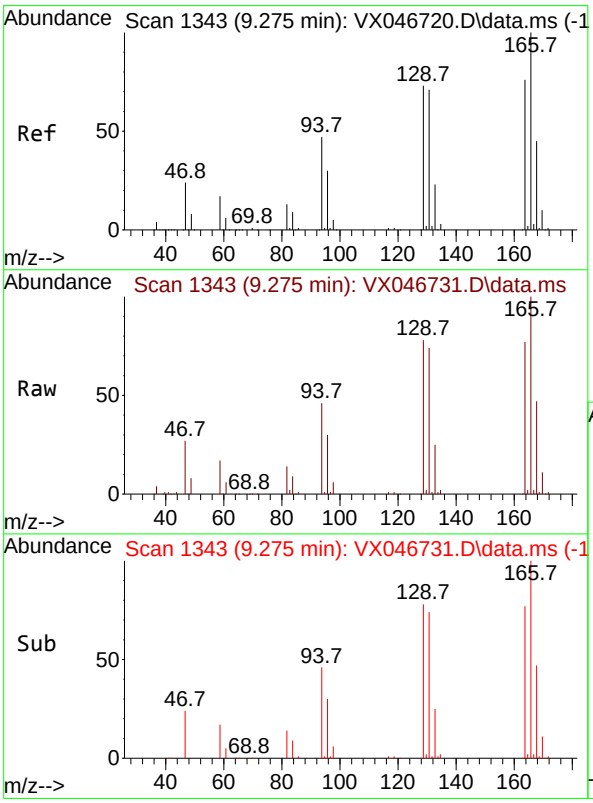

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:117 Resp: 234034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 44.6 | 66.8 |
| 119 | 32.0 | 25.8 | 38.8 |

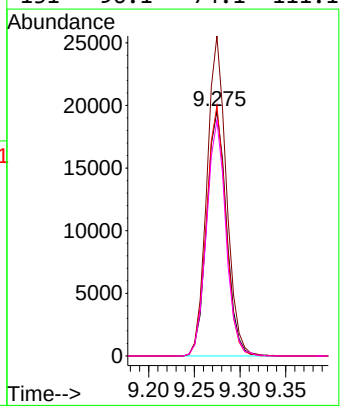


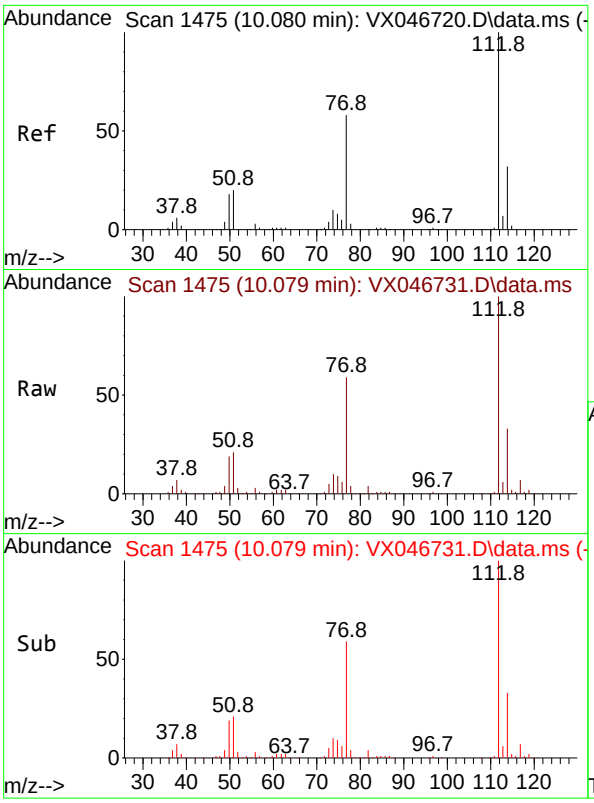




#64
Tetrachloroethene
Concen: 18.146 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:164 Resp: 29423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.7 | 104.6 | 157.0 |
| 129 | 102.0 | 76.3 | 114.5 |
| 131 | 96.1 | 74.1 | 111.1 |



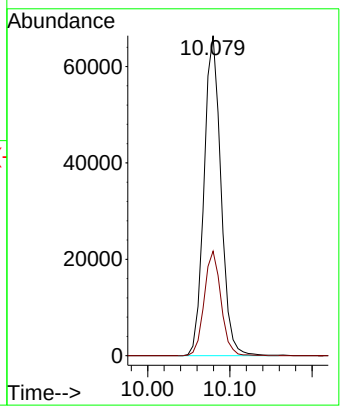


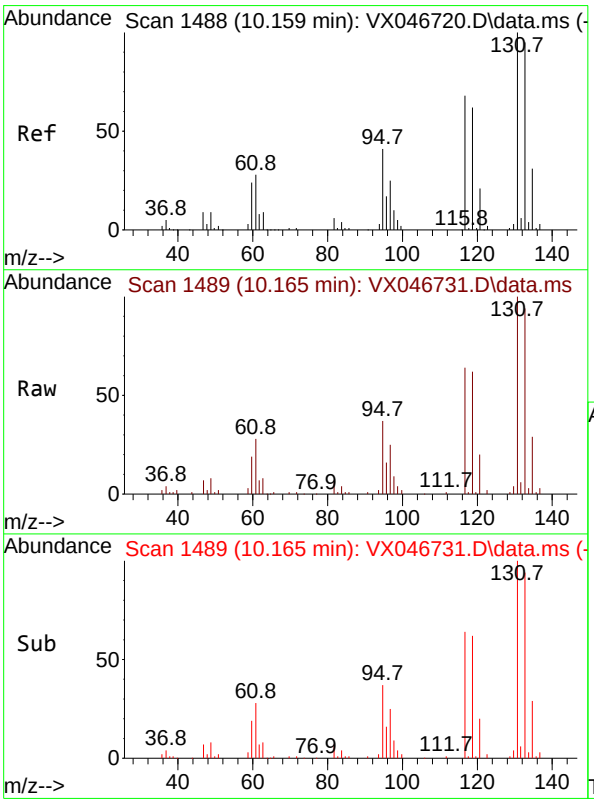

#65
Chlorobenzene
Concen: 18.339 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:112 Resp: 94744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.5 | 38.3 |

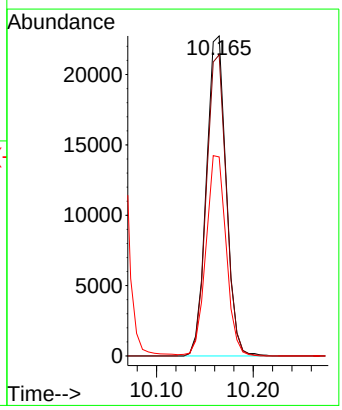


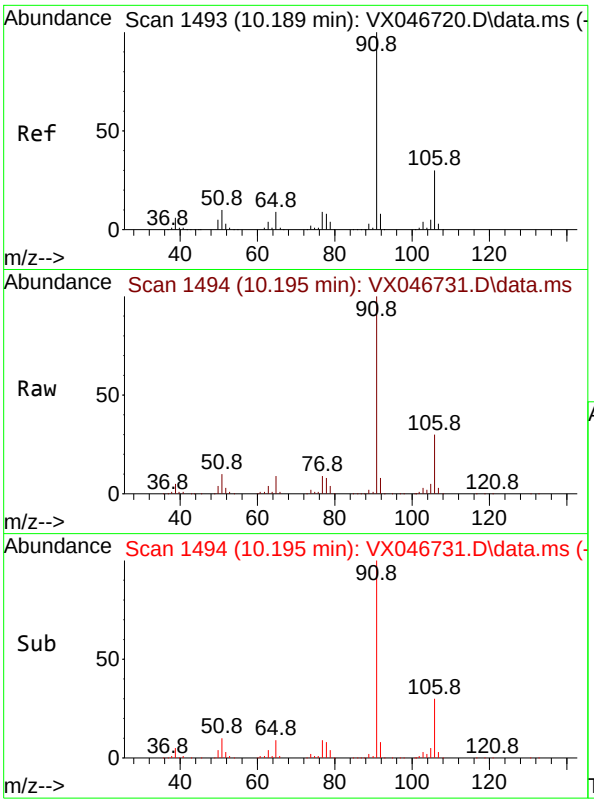




#66
1,1,1,2-Tetrachloroethane
Concen: 18.632 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:131 Resp: 32350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |



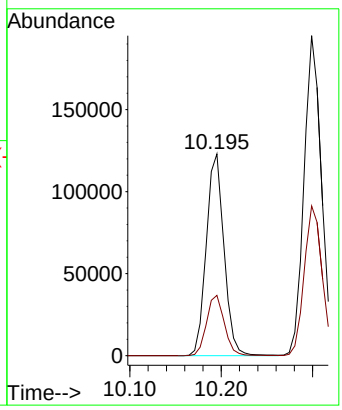


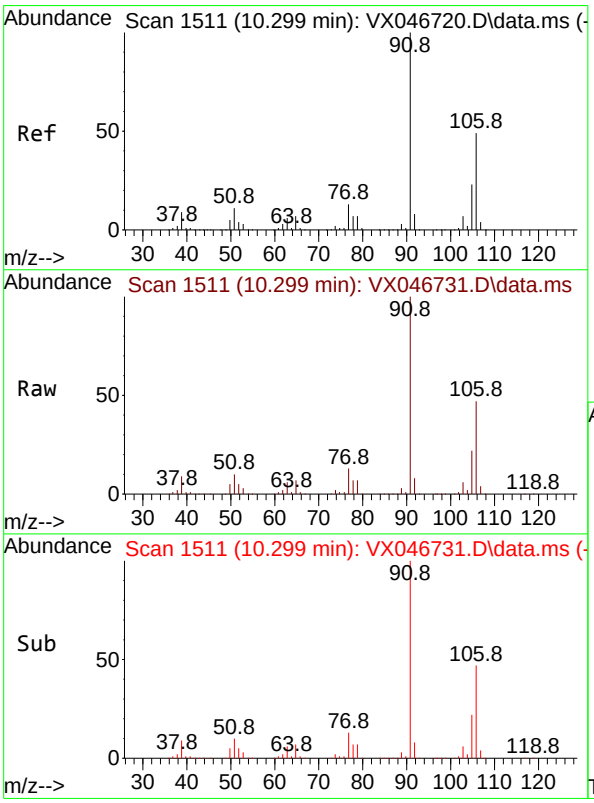

#67
Ethyl Benzene
Concen: 18.304 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 91 Resp: 165227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 24.2 | 36.2 |

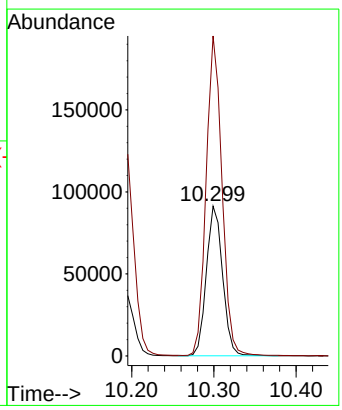


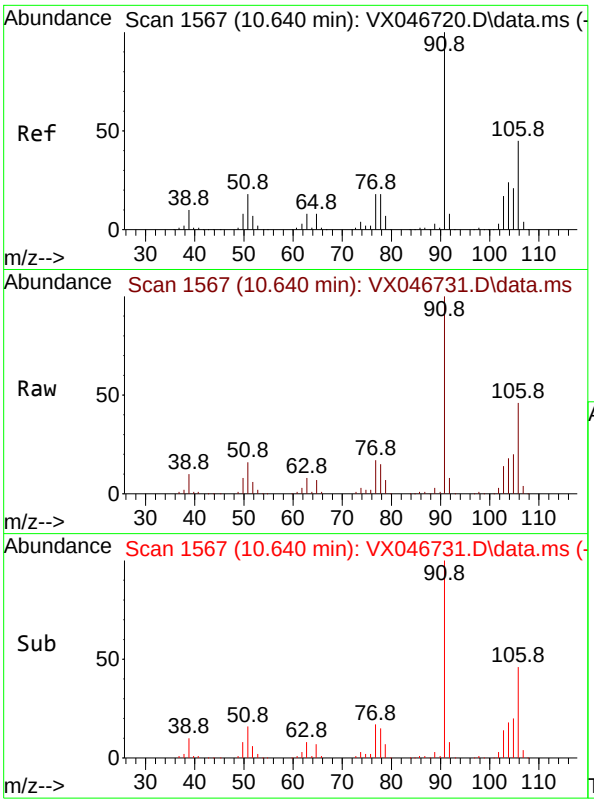




#68
m/p-Xylenes
Concen: 37.239 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:106 Resp: 125249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.8 | 164.8 | 247.2 |



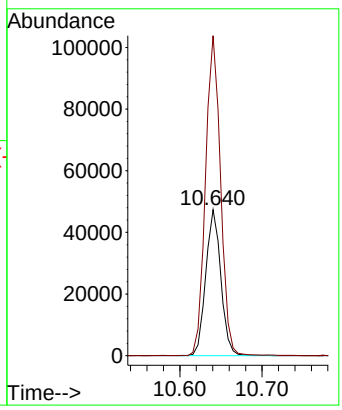


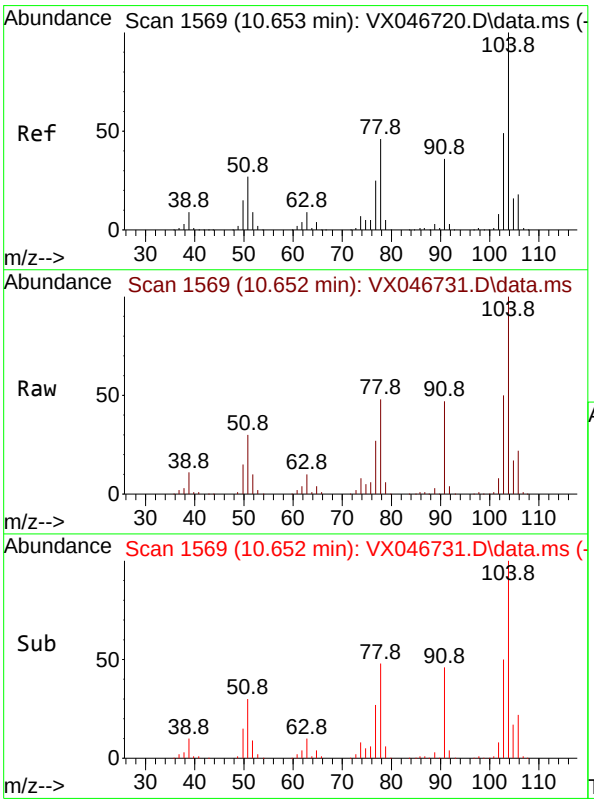

#69
o-Xylene
Concen: 19.136 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:106 Resp: 60319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.5 | 111.3 | 333.9 |

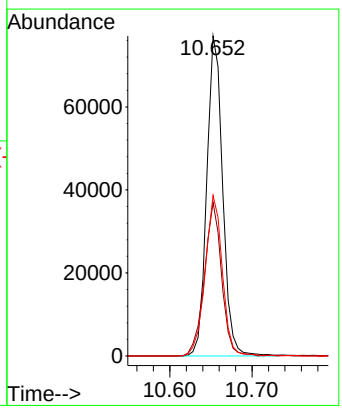


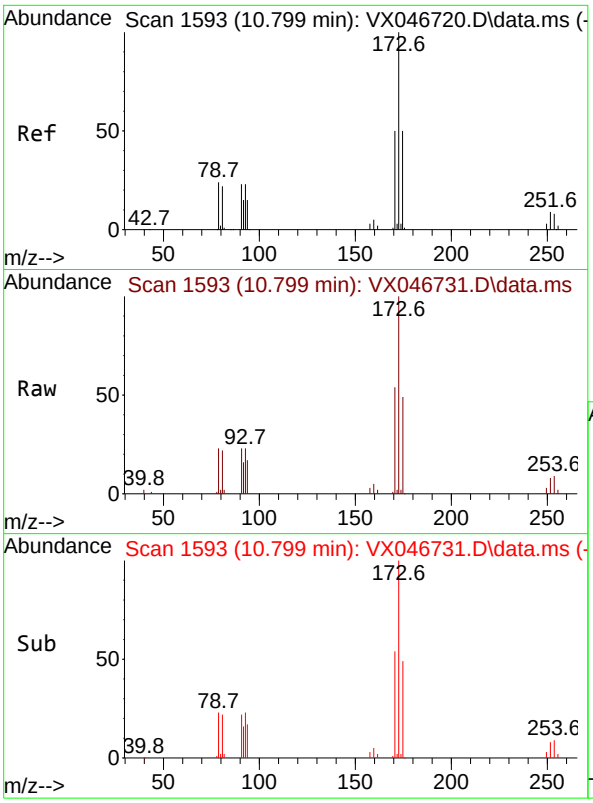




#70
Styrene
Concen: 18.804 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:104 Resp: 103726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.7 | 41.4 | 62.2 |
| 103 | 54.0 | 43.1 | 64.7 |



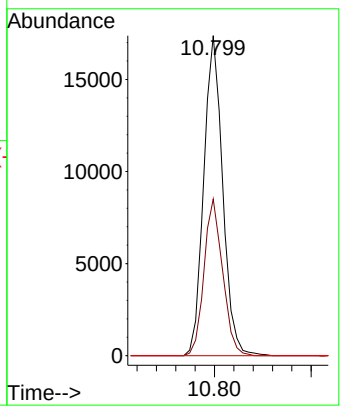


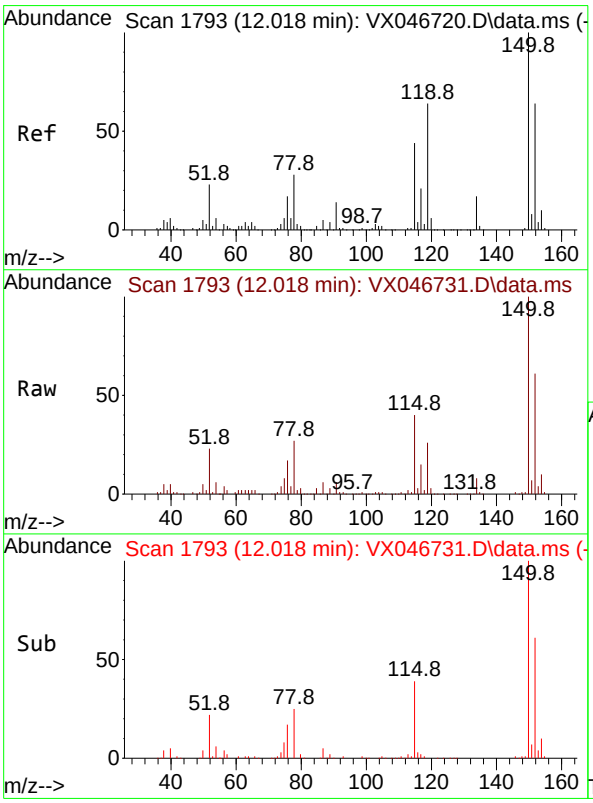

#71
Bromoform
Concen: 17.907 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:173 Resp: 23678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

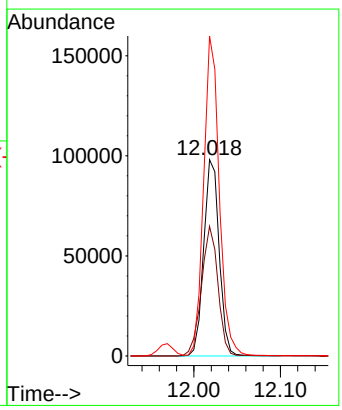


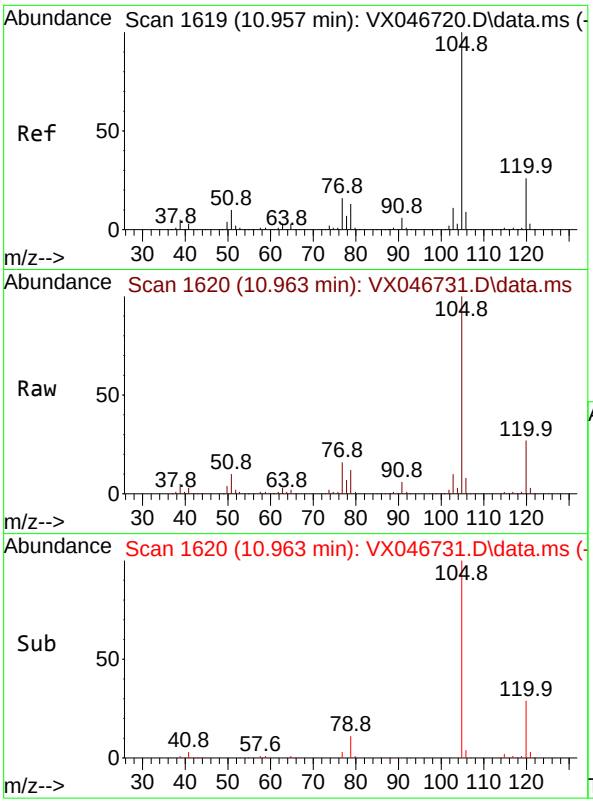




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:152 Resp: 121898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.4 | 43.2 | 129.6 |
| 150 | 164.9 | 0.0 | 346.8 |



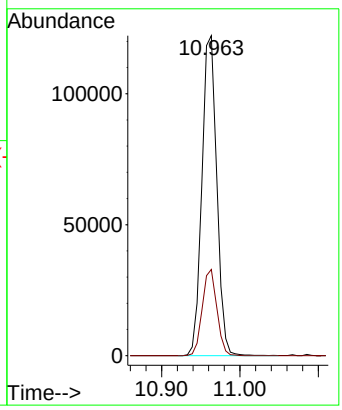


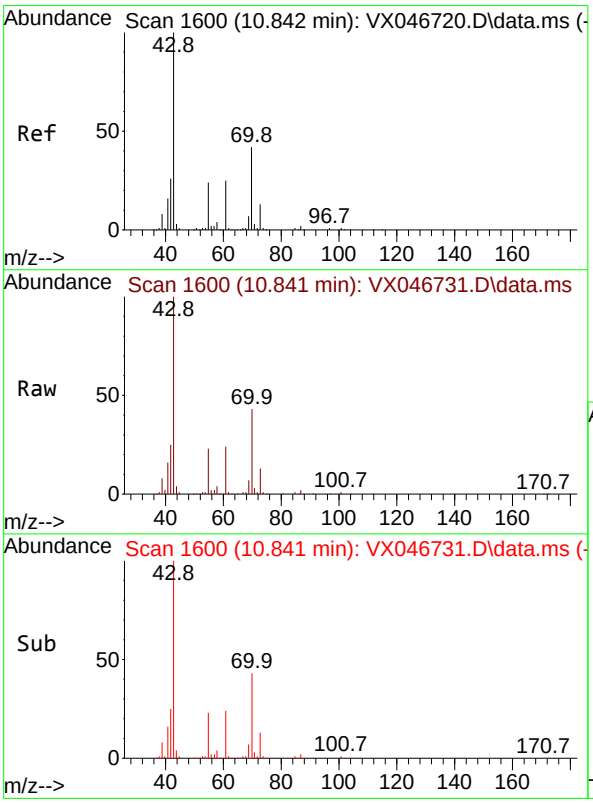

#73
Isopropylbenzene
Concen: 17.941 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:105 Resp: 161068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.0 | 39.0 |

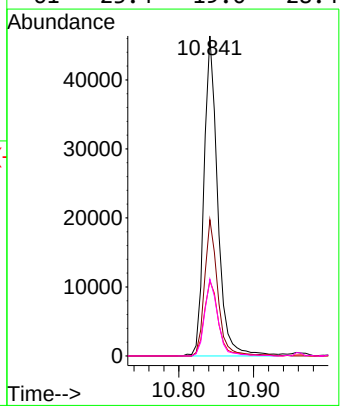


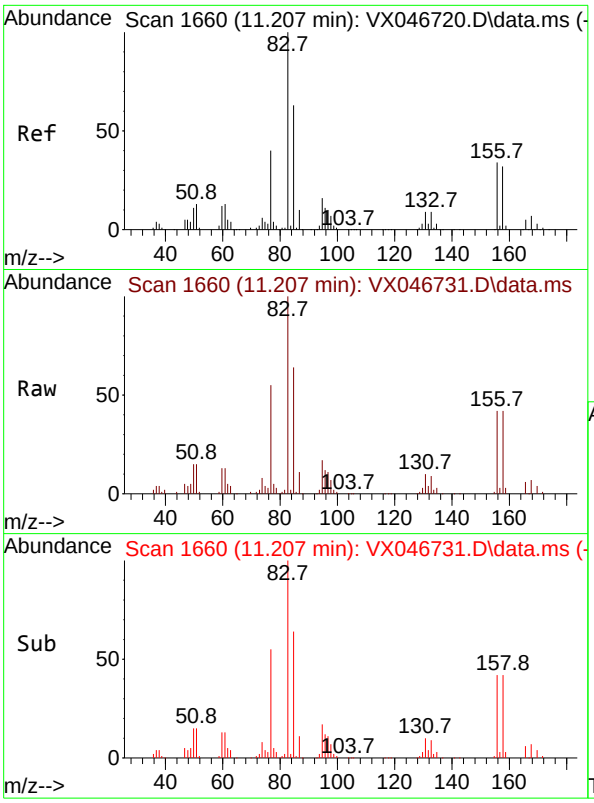




#74
N-amyl acetate
Concen: 17.325 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 43 Resp: 58929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.1 | 33.4 | 50.0 |
| 55 | 24.3 | 19.1 | 28.7 |
| 61 | 23.4 | 19.0 | 28.4 |



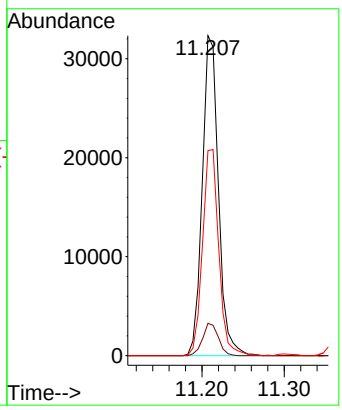


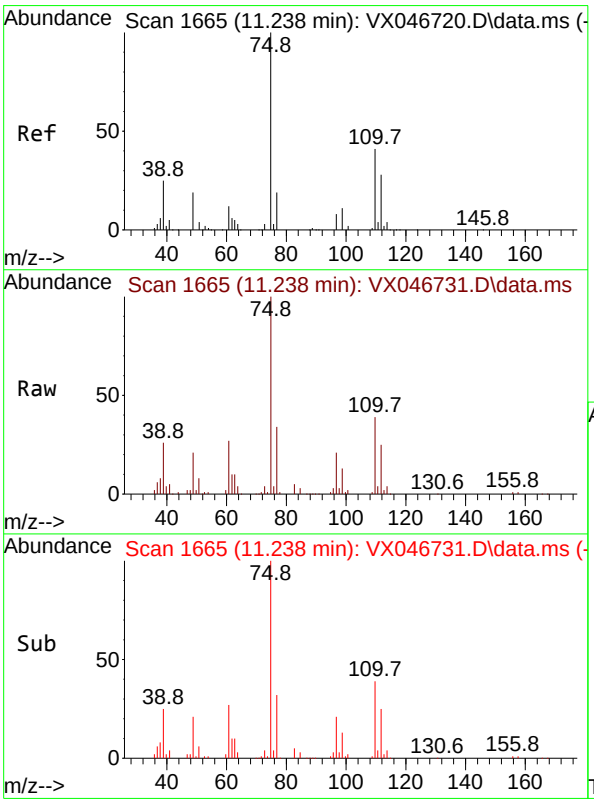

#75
1,1,2,2-Tetrachloroethane
Concen: 17.613 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 83 Resp: 44152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 4.9 | 14.6 |
| 85 | 64.6 | 32.0 | 96.0 |

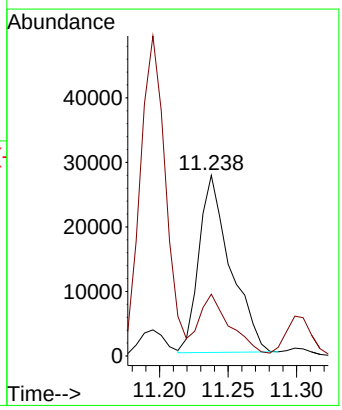


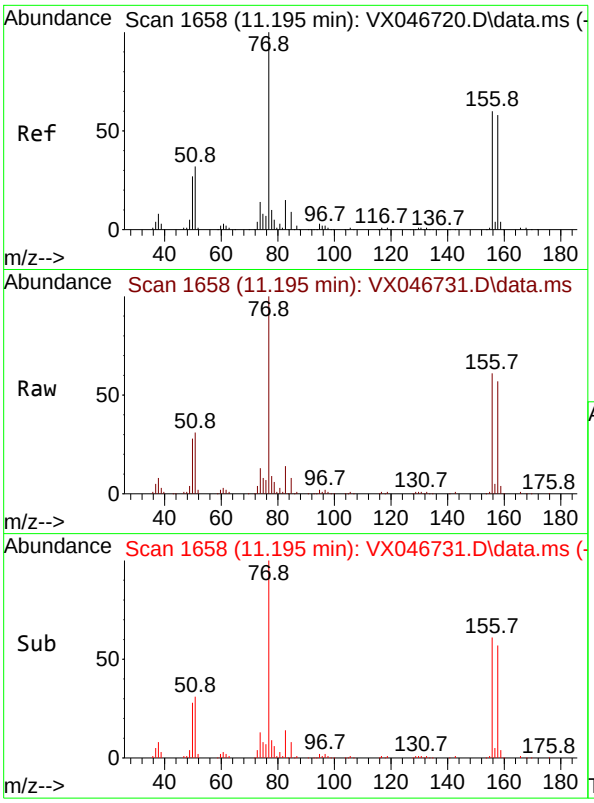




#76
1,2,3-Trichloropropane
Concen: 19.716 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 44018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.9 | 18.5 | 55.5 |



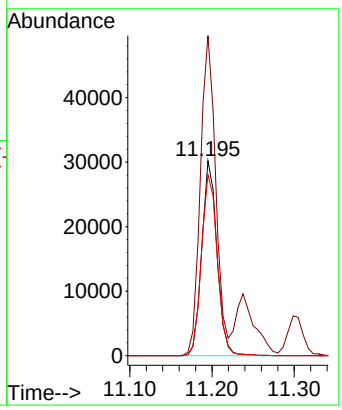


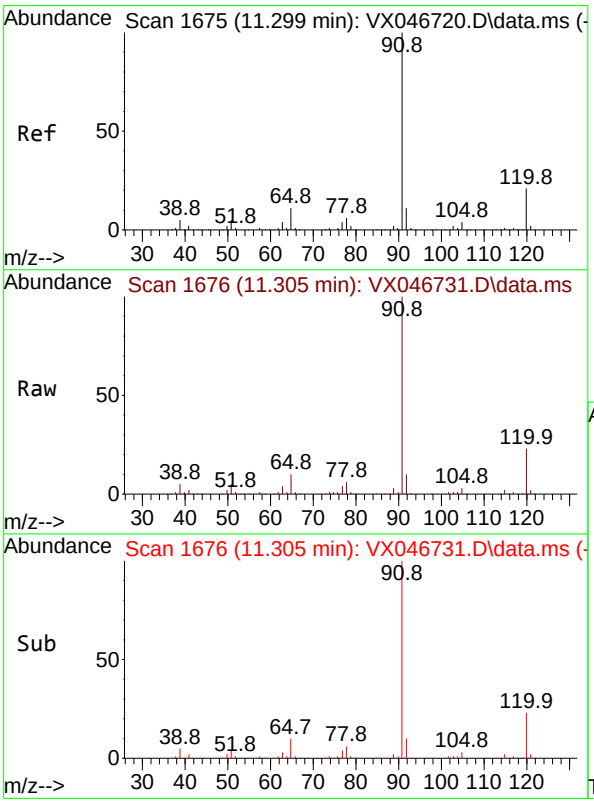

#77
Bromobenzene
Concen: 17.979 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:156 Resp: 38841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.3 | 82.8 | 248.6 |
| 158 | 96.5 | 47.6 | 142.9 |

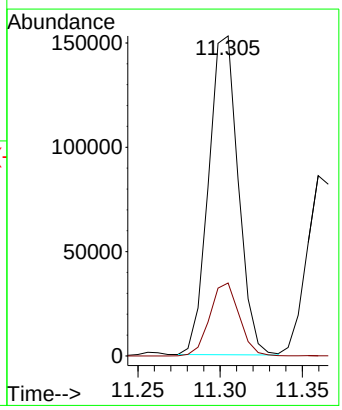


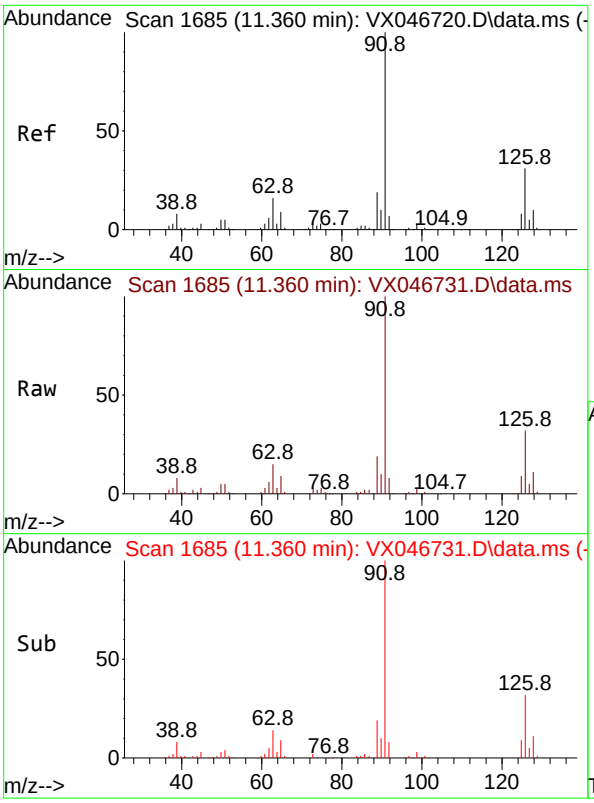




#78
n-propylbenzene
Concen: 18.026 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 192217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.4 | 34.1 |



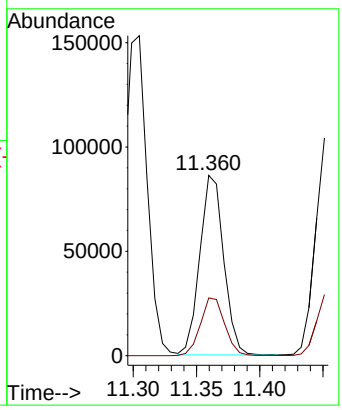


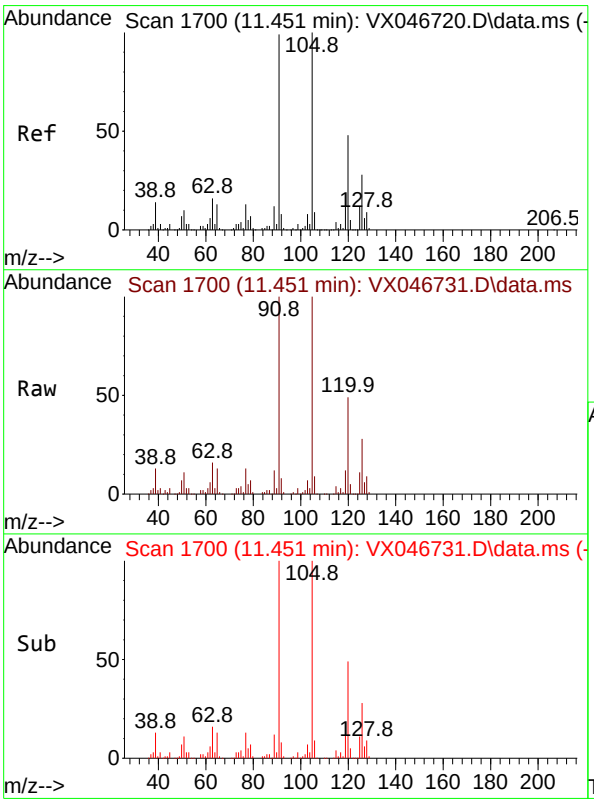

#79
2-Chlorotoluene
Concen: 17.818 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 91 Resp: 113441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.6 | 49.7 |

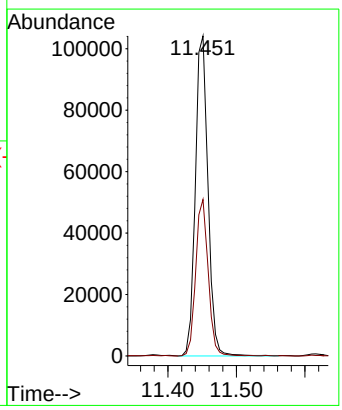


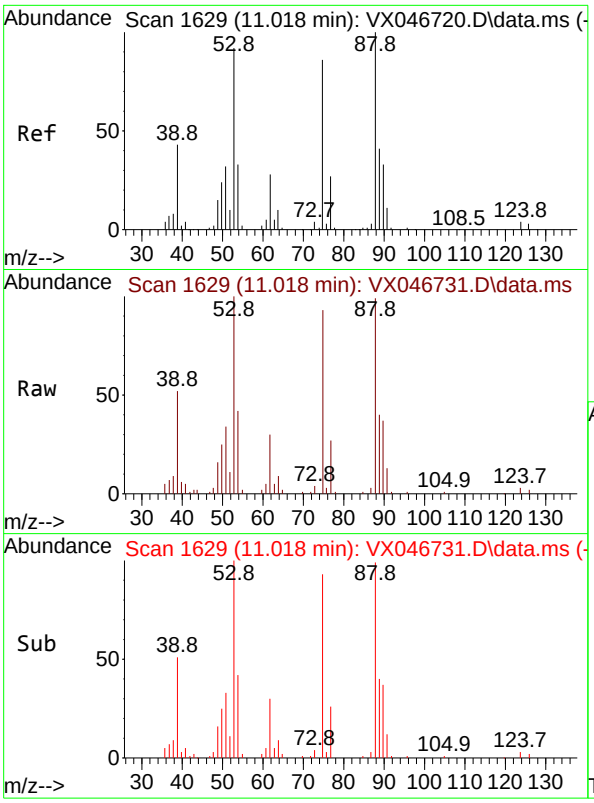




#80
1,3,5-Trimethylbenzene
Concen: 18.130 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:105 Resp: 133755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.1 | 72.2 |



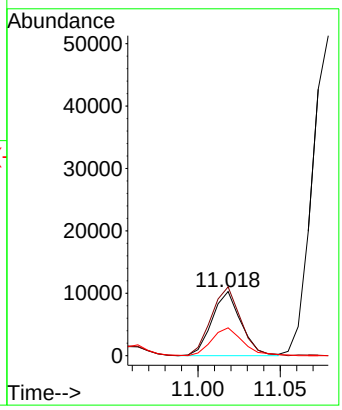


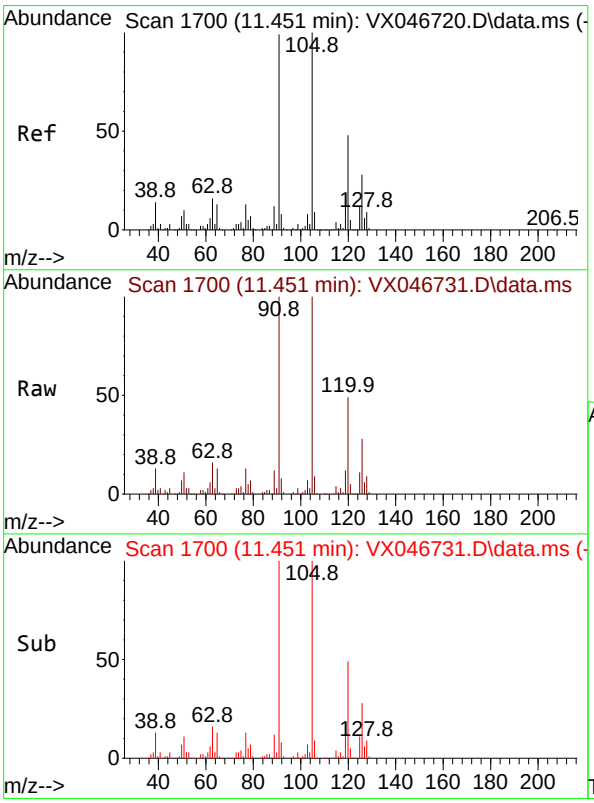

#81
trans-1,4-Dichloro-2-butene
Concen: 15.949 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 75 Resp: 12597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.9 | 86.8 | 130.2 |
| 89 | 46.7 | 36.9 | 55.3 |

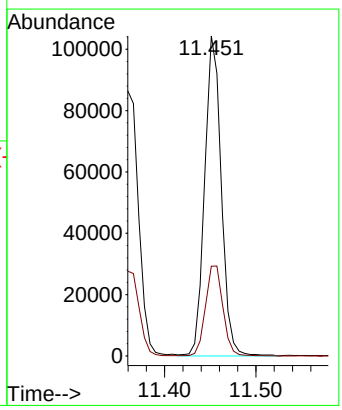


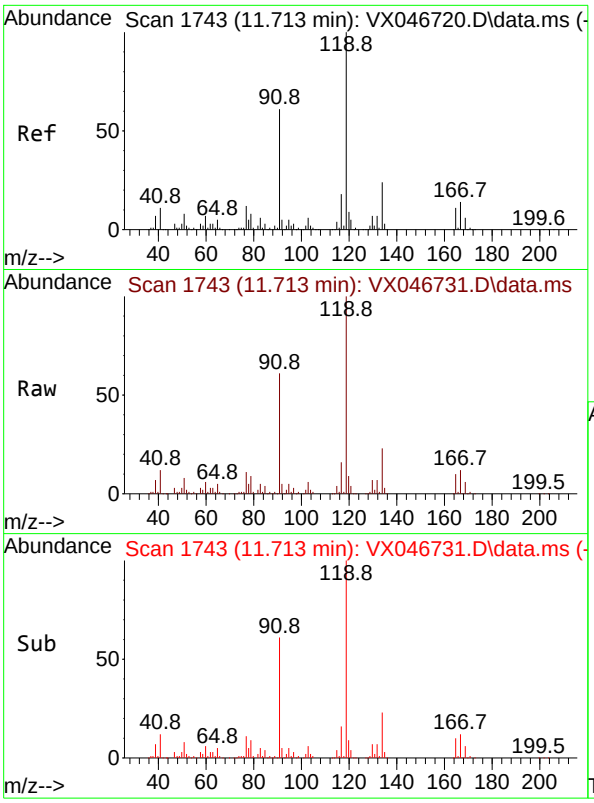




#82
4-Chlorotoluene
Concen: 17.712 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 91 Resp: 131603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.6 | 14.4 | 43.2 |



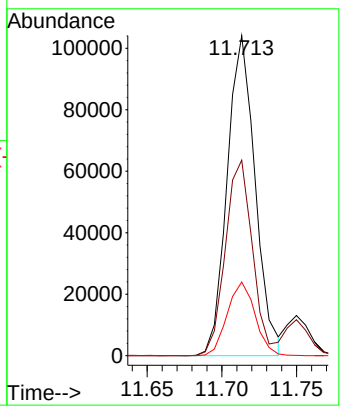


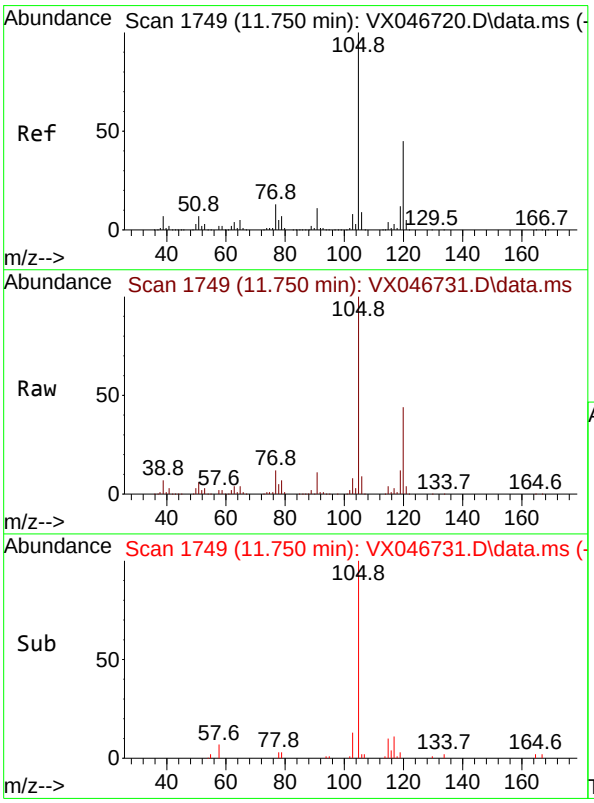

#83
tert-Butylbenzene
Concen: 17.787 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:119 Resp: 135643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.8 | 29.5 | 88.6 |
| 134 | 22.9 | 11.7 | 35.0 |

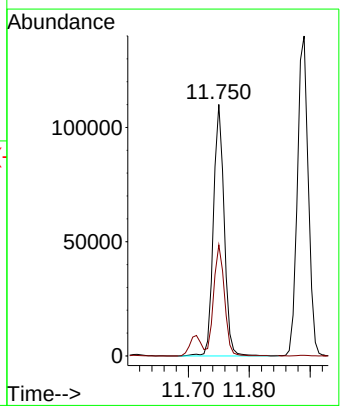


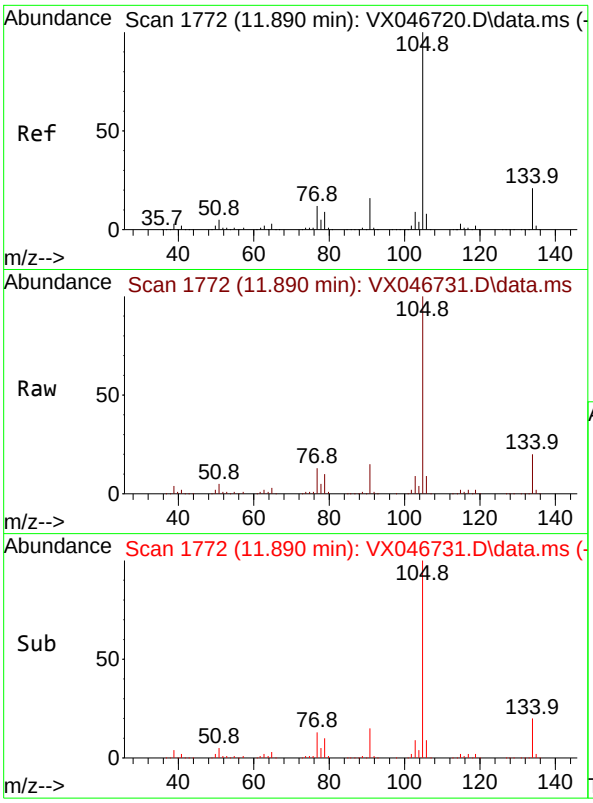




#84
1,2,4-Trimethylbenzene
Concen: 18.178 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:105 Resp: 134740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.3 |



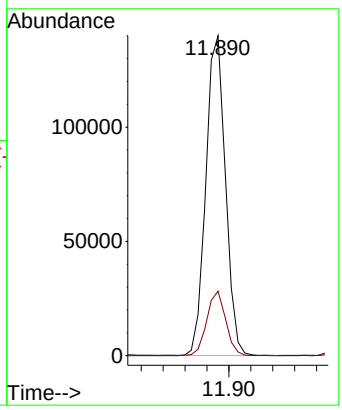


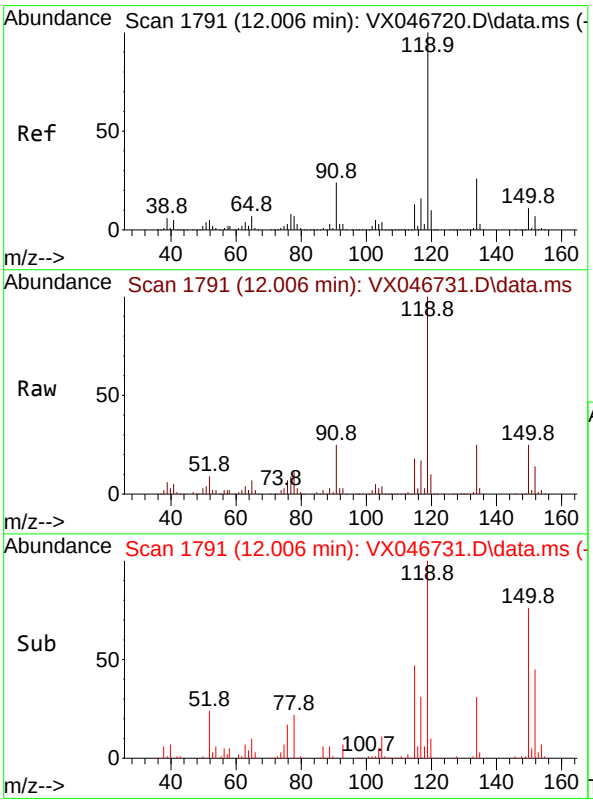

#85
sec-Butylbenzene
Concen: 18.021 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:105 Resp: 173686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.6 | 9.8 | 29.4 |

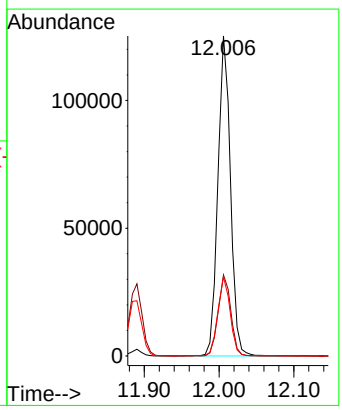


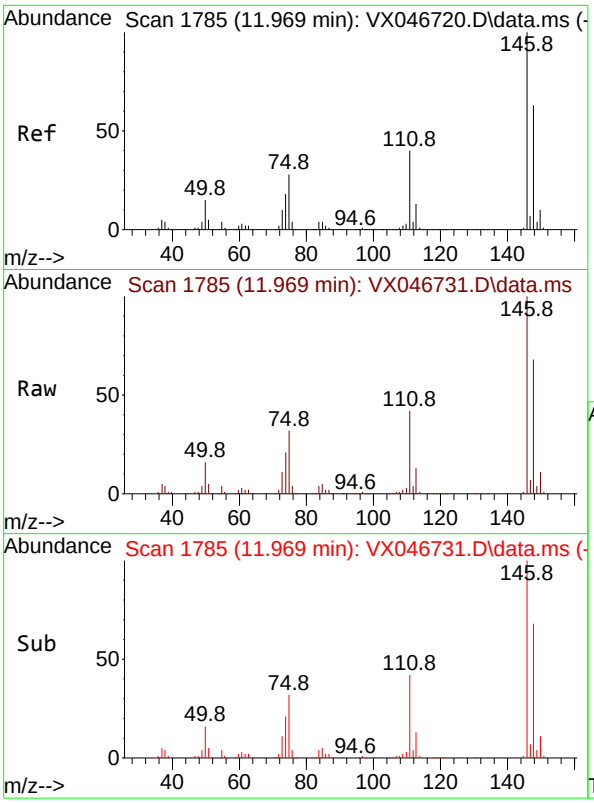




#86
p-Isopropyltoluene
Concen: 17.983 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:119 Resp: 146235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.9 | 38.7 |
| 91 | 24.5 | 12.3 | 36.9 |



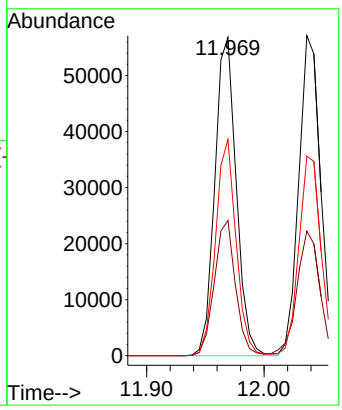


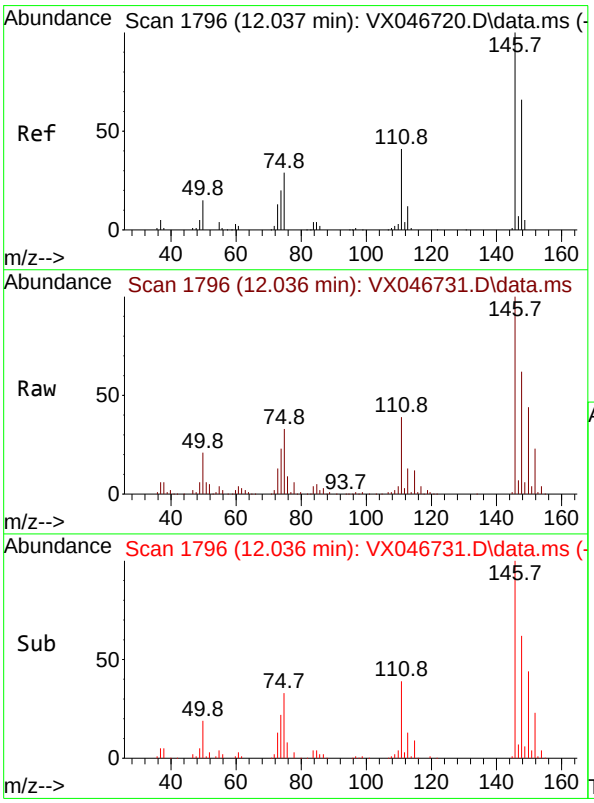

#87
1,3-Dichlorobenzene
Concen: 17.169 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:146 Resp: 72321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 20.6 | 61.8 |
| 148 | 65.1 | 31.6 | 94.8 |

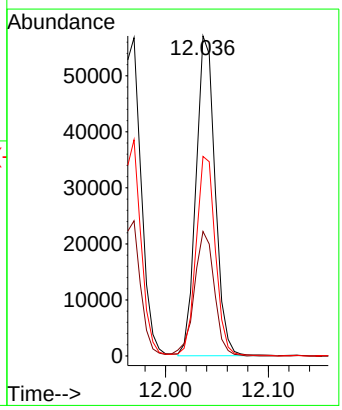


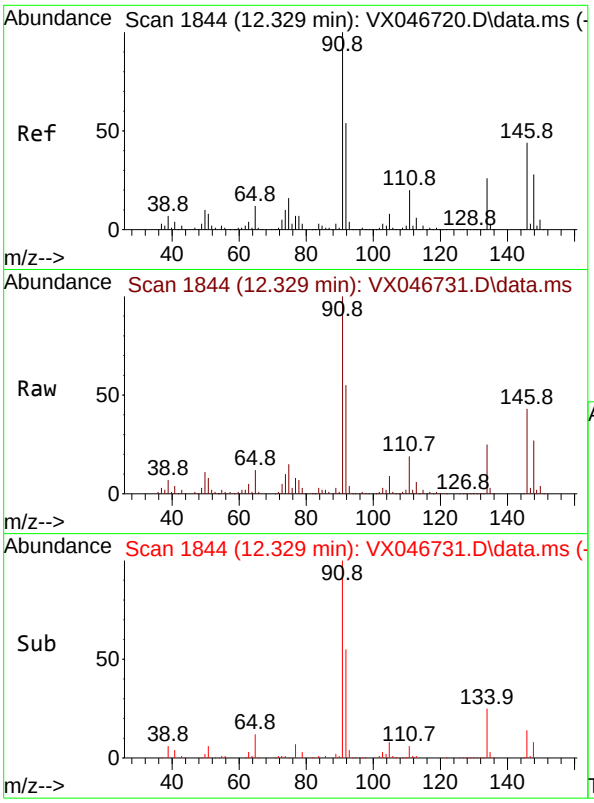




#88
1,4-Dichlorobenzene
Concen: 17.054 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:146 Resp: 73790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.3 | 61.0 |
| 148 | 63.6 | 32.1 | 96.5 |



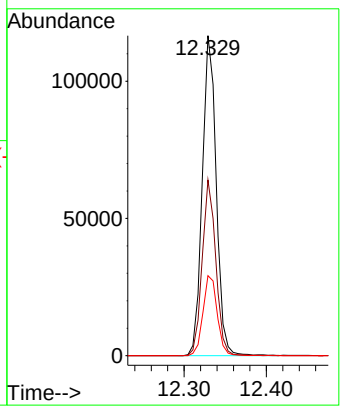


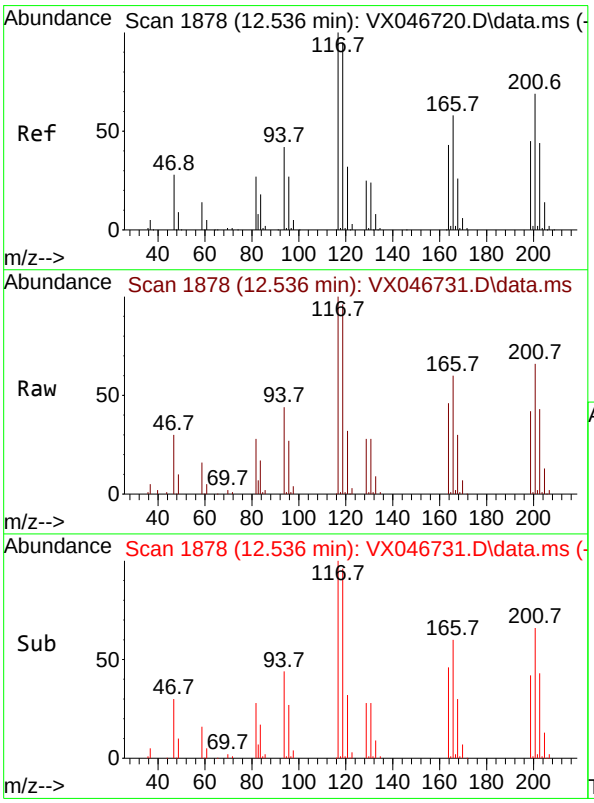

#89
n-Butylbenzene
Concen: 17.787 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion: 91 Resp: 137335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 27.1 | 81.3 |
| 134 | 25.6 | 12.9 | 38.6 |

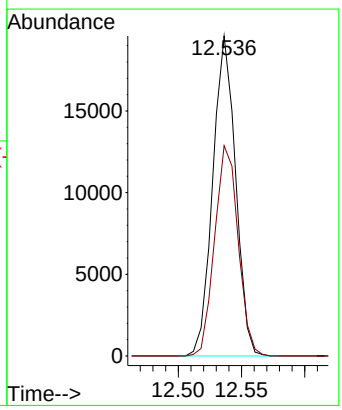


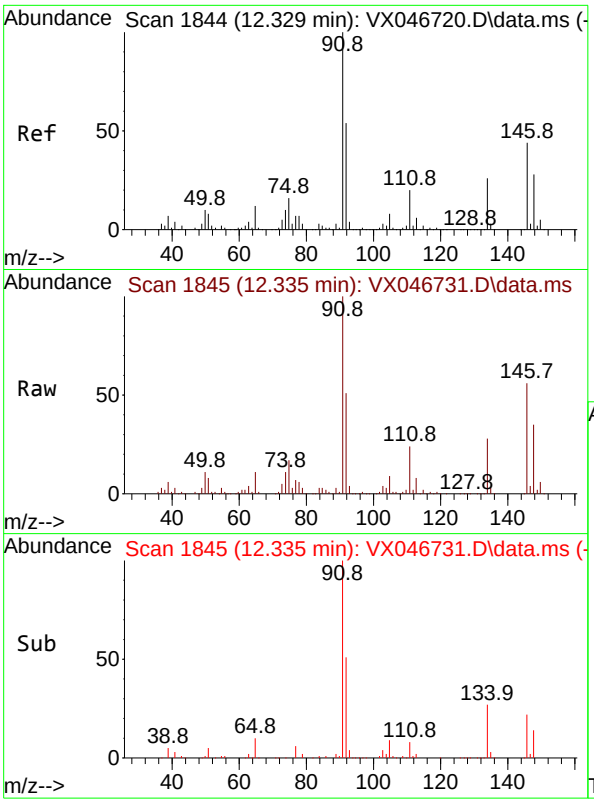




#90
Hexachloroethane
Concen: 17.233 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:117 Resp: 24540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.5 | 34.4 | 103.3 |



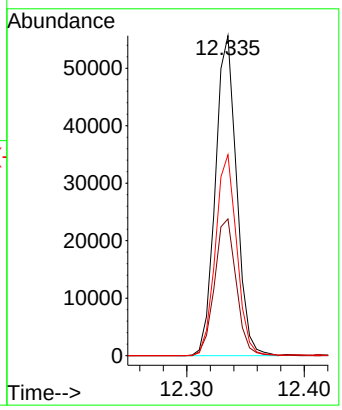


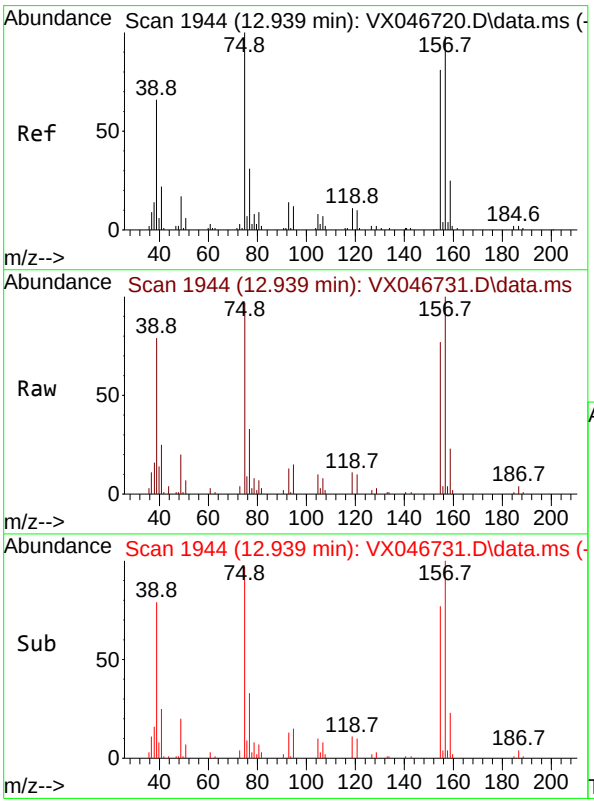

#91
1,2-Dichlorobenzene
Concen: 17.798 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:146 Resp: 70063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.7 | 65.1 |
| 148 | 63.0 | 32.0 | 96.2 |

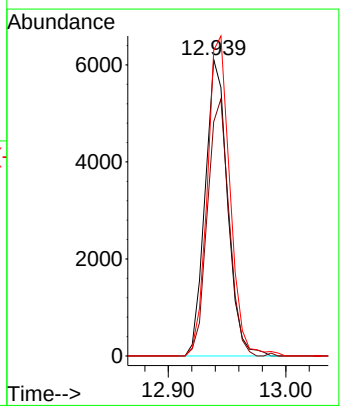


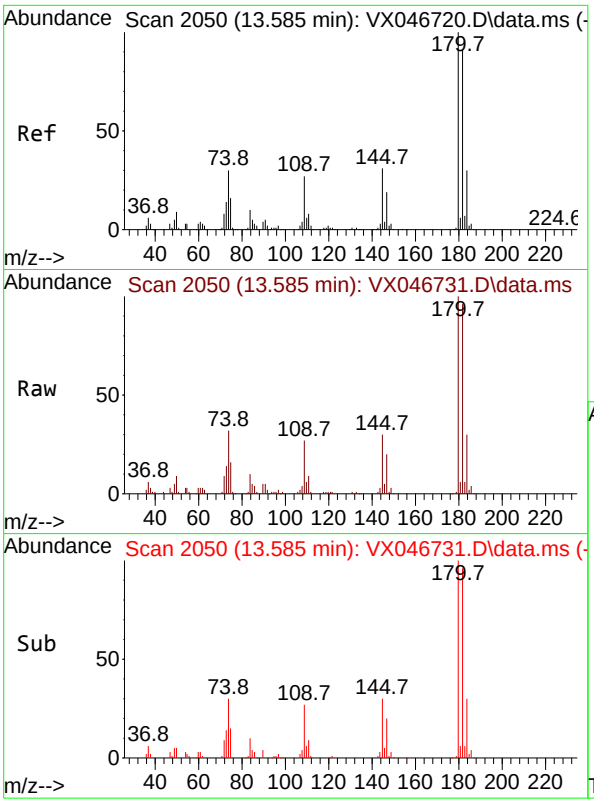




#92
1,2-Dibromo-3-Chloropropane
Concen: 16.324 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion: 75 Resp: 8079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.0 | 41.9 | 125.7 |
| 157 | 108.8 | 51.4 | 154.3 |



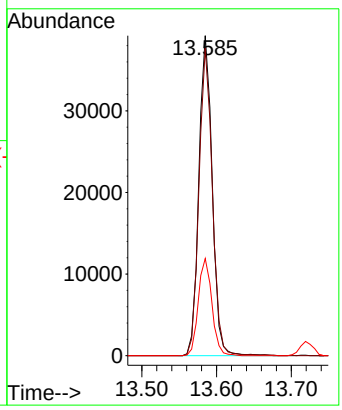


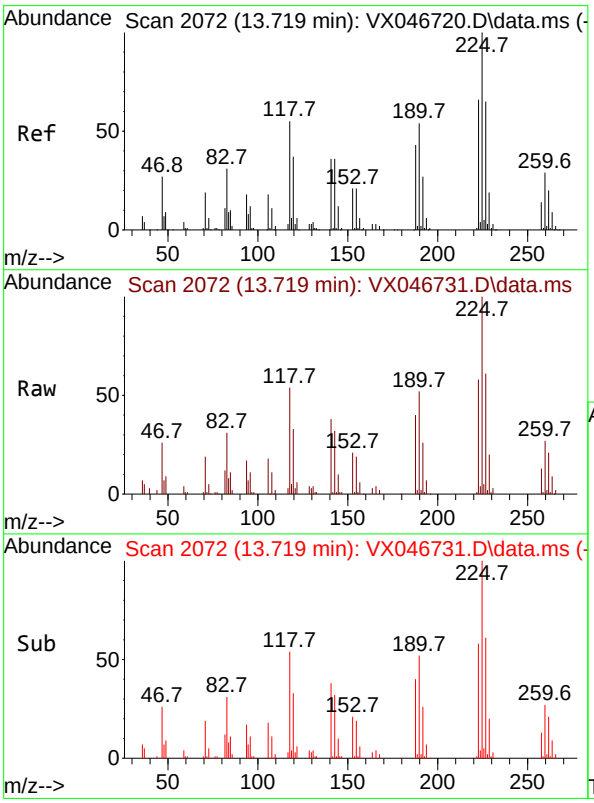

#93
1,2,4-Trichlorobenzene
Concen: 17.388 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:180 Resp: 48663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.7 | 140.1 |
| 145 | 30.8 | 15.8 | 47.4 |

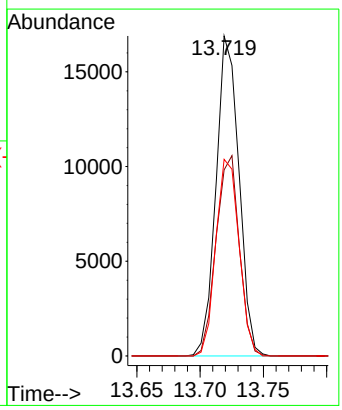


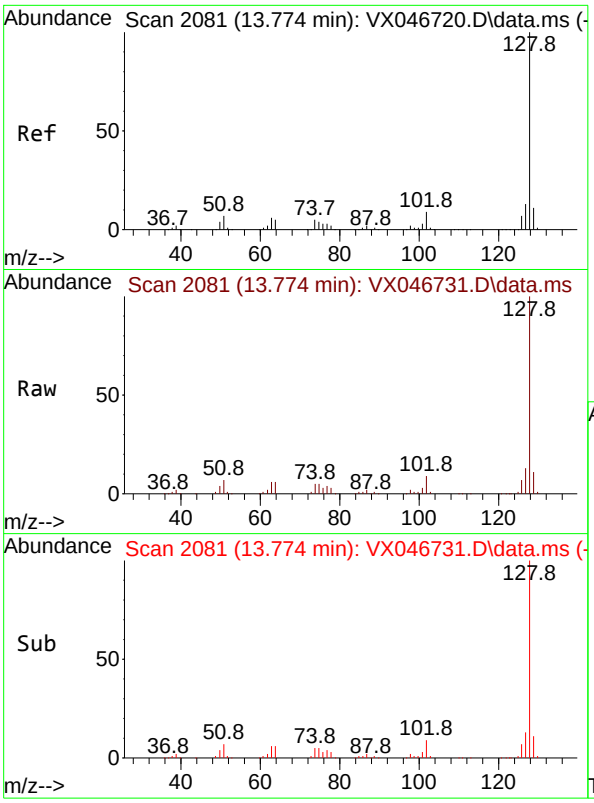




#94
Hexachlorobutadiene
Concen: 18.044 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:225 Resp: 21242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 32.5 | 97.5 |
| 227 | 62.3 | 32.2 | 96.6 |



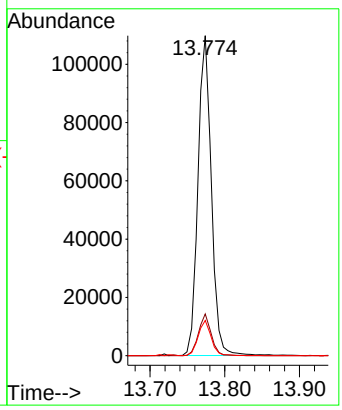


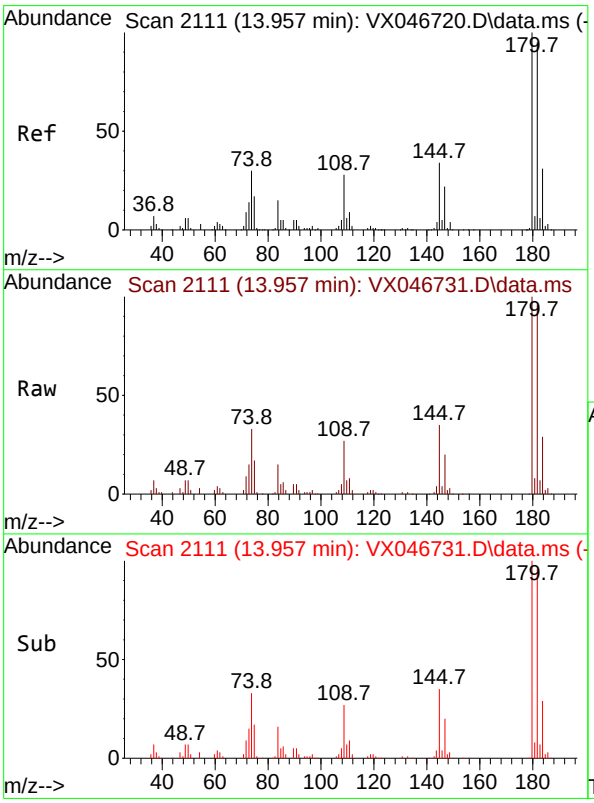

#95
Naphthalene
Concen: 17.080 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

Tgt Ion:128 Resp: 136183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |

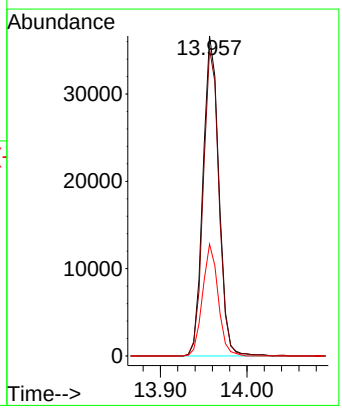



#96
1,2,3-Trichlorobenzene
Concen: 17.428 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046731.D
Acq: 18 Jun 2025 11:07

Tgt Ion:180 Resp: 46661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 47.8 | 143.4 |
| 145 | 34.2 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 143057 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 240999 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 215546 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 107663 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 100125 | 50.601 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.200% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 83040 | 52.078 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.160% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 294034 | 51.326 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 112496 | 52.679 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.360% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 76008 | 49.766 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 81165 | 49.235 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 88213 | 50.179 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 51420 | 51.989 | ug/l | 97 |
| 6) Chloroethane | 1.703 | 64 | 53067 | 49.805 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 131050 | 49.095 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 45738 | 49.928 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 79258 | 48.400 | ug/l | 98 |
| 10) Methyl Iodide | 2.471 | 142 | 86957 | 43.078 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 32255 | 181.614 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 79512 | 50.320 | ug/l | 96 |
| 13) Acrolein | 2.245 | 56 | 50890 | 196.722 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 136995 | 47.851 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 184725 | 231.310 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 137459 | 208.316 | ug/l | 99 |
| 17) Carbon Disulfide | 2.532 | 76 | 220641 | 46.240 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 74547 | 44.481 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 226770 | 46.091 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 87325 | 47.587 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 82513 | 48.802 | ug/l | 97 |
| 22) Diisopropyl ether | 3.769 | 45 | 275002 | 49.974 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1000170 | 228.560 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 151111 | 48.365 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 209888 | 224.903 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 95144 | 41.752 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 96805 | 48.734 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 75384 | 53.219 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 139690 | 231.740 | ug/l | 98 |
| 30) Chloroform | 5.105 | 83 | 154343 | 49.396 | ug/l | 95 |
| 31) Cyclohexane | 5.483 | 56 | 139222 | 46.988 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 130295 | 47.547 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 107903 | 46.878 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 88092 | 41.462 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 114481 | 45.829 | ug/l | 97 |
| 39) Methylcyclohexane | 7.385 | 83 | 138147 | 45.609 | ug/l | 97 |
| 40) Benzene | 6.043 | 78 | 326964 | 47.998 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 56237 | 49.649 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 112027 | 46.799 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 145020 | 43.619 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 81750 | 47.090 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 80645 | 47.769 | ug/l | | 95 |
| 46) Dibromomethane | 7.586 | 93 | 57324 | 47.246 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 118579 | 47.892 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 79176 | 47.484 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17262 | 719.791 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 455997 | 229.964 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 203758 | 48.249 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 106926 | 46.544 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 119567 | 45.847 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 74068 | 47.065 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109702 | 47.221 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 129477 | 47.775 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.171 | 63 | 361 | 0.299 | ug/l | # | 46 |
| 59) 2-Hexanone | 9.427 | 43 | 307148 | 224.056 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 88044 | 47.473 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 76228 | 47.618 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 66644 | 44.627 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 222717 | 46.808 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74860 | 46.814 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 387344 | 46.592 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 294272 | 94.996 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 140037 | 48.237 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 242311 | 47.694 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54530 | 44.776 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 373743 | 47.134 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 129233 | 43.017 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101482 | 45.835 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 106418 | 53.968 | ug/l | | 93 |
| 77) Bromobenzene | 11.195 | 156 | 88274 | 46.262 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 441193 | 46.845 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 259099 | 46.077 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 304450 | 46.723 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28127 | 40.319 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 298520 | 45.488 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 311816 | 46.294 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 300943 | 45.969 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 395643 | 46.478 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 327245 | 45.563 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 164088 | 44.104 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 165148 | 43.216 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 308237 | 45.200 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 56259 | 44.731 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 159052 | 45.747 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18614 | 42.584 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 108363 | 43.840 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45456 | 43.717 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 315902 | 44.859 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 106849 | 45.185 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

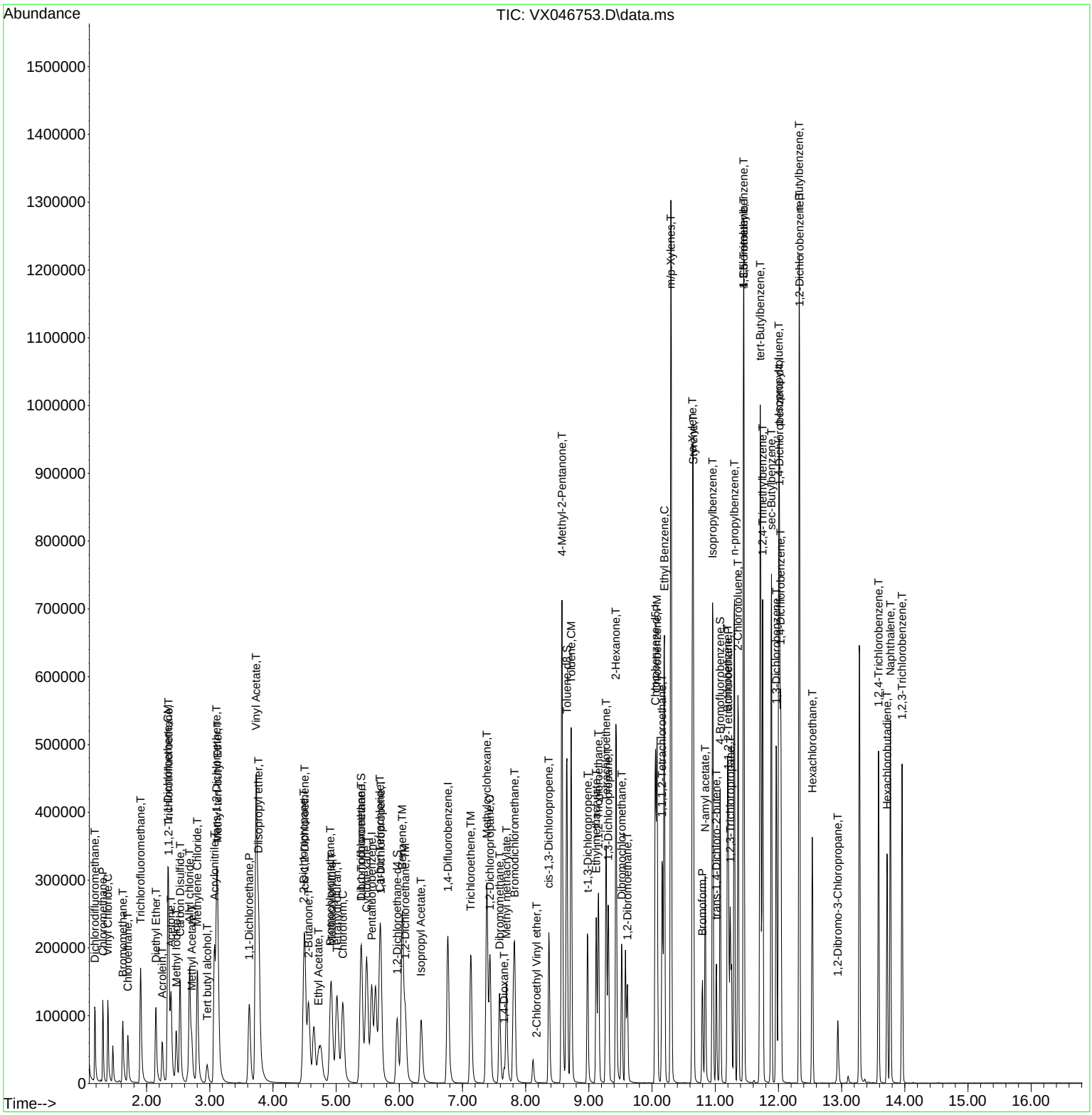
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

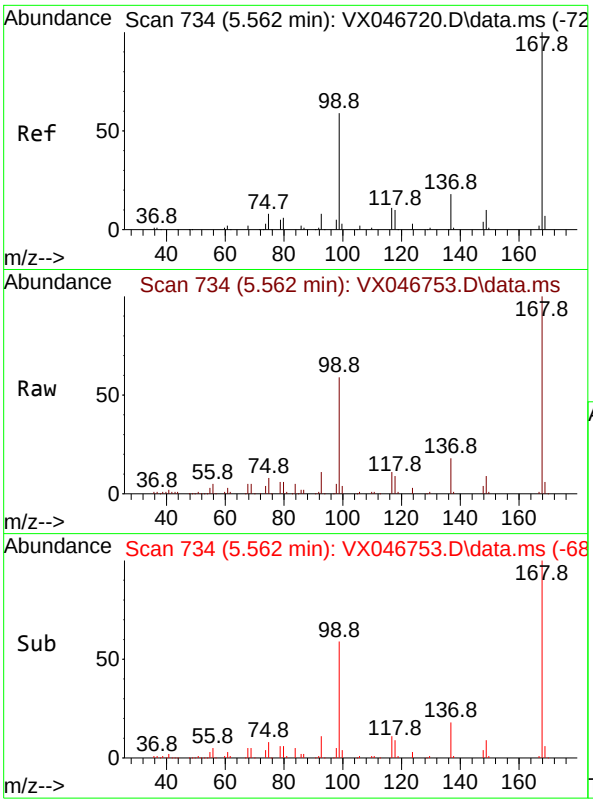
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046753.D
Acq On : 18 Jun 2025 18:58
Operator : JC/MD
Sample : Q2345-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Quant Time: Jun 19 01:29:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



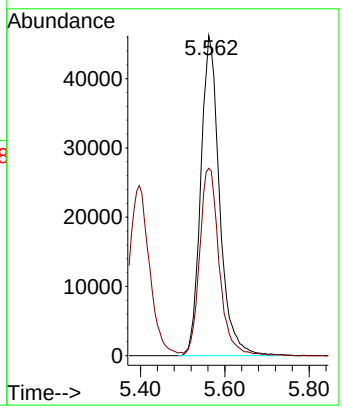


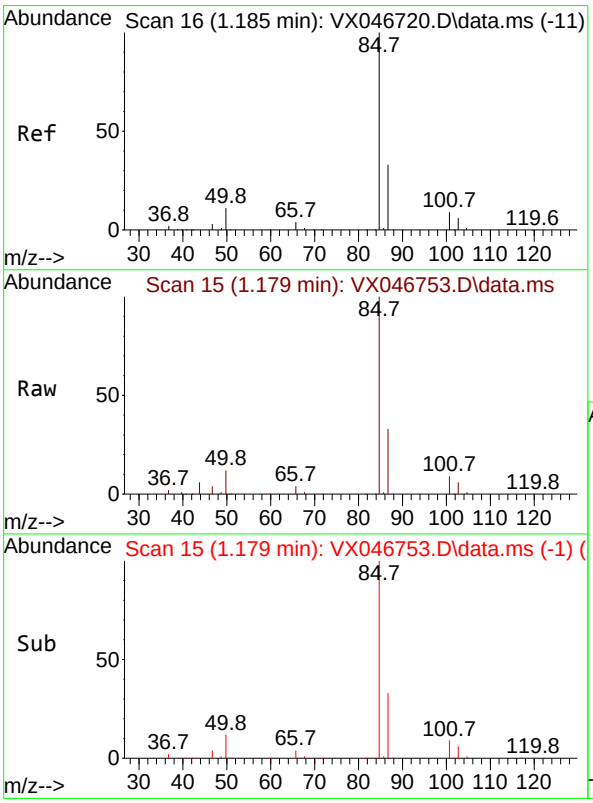

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:168 Resp: 143057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.3 | 48.5 | 72.7 |

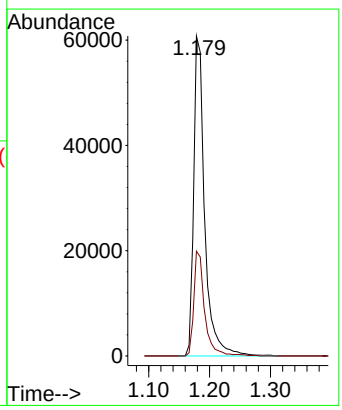


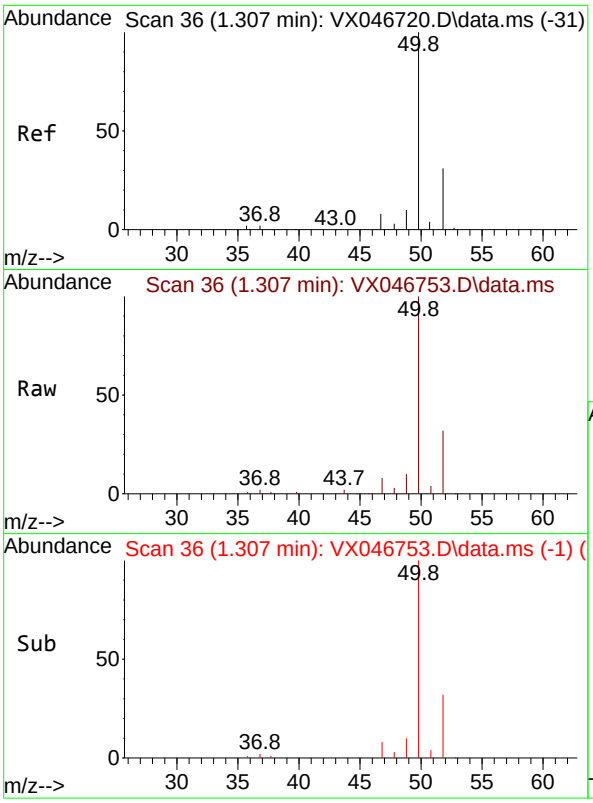




#2
Dichlorodifluoromethane
Concen: 49.766 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 85 Resp: 76008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 16.6 | 49.8 |



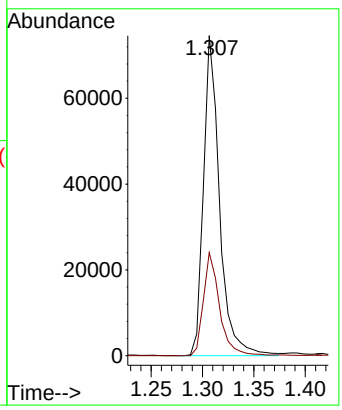


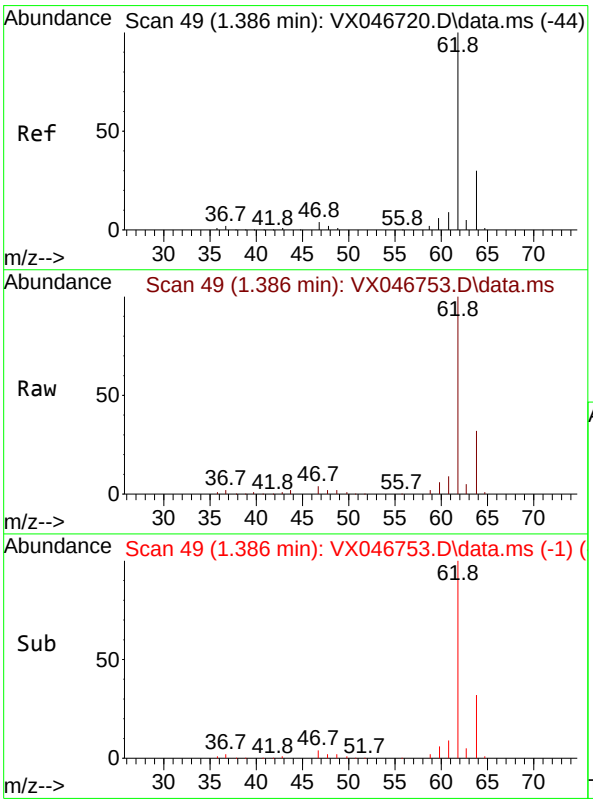

#3
Chloromethane
Concen: 49.235 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 50 Resp: 81165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 24.9 | 37.3 |

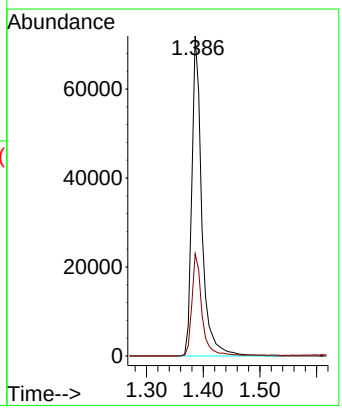


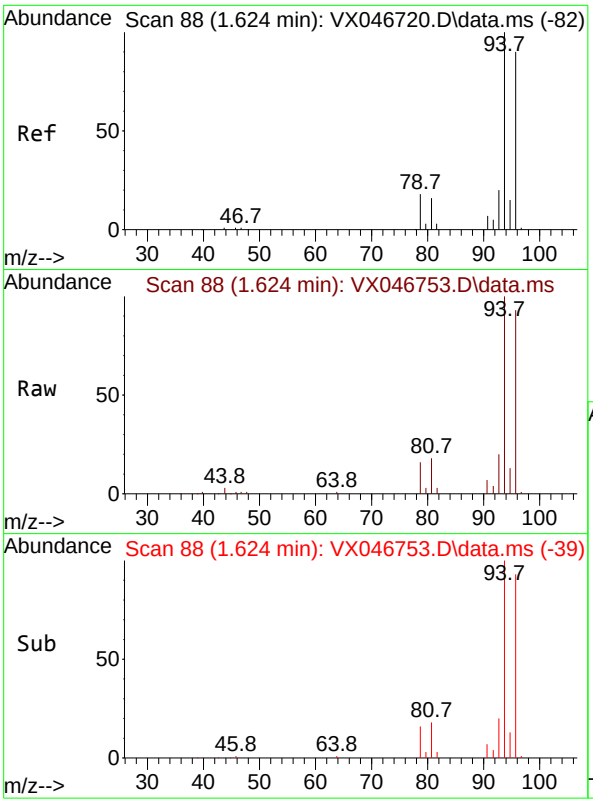




#4
Vinyl Chloride
Concen: 50.179 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 62 Resp: 88213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 23.9 | 35.9 |



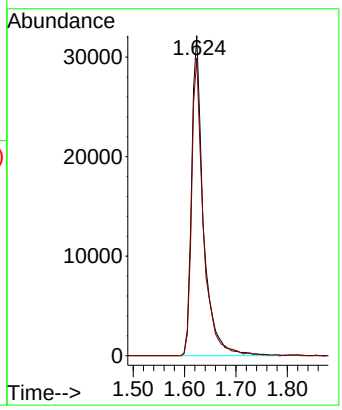


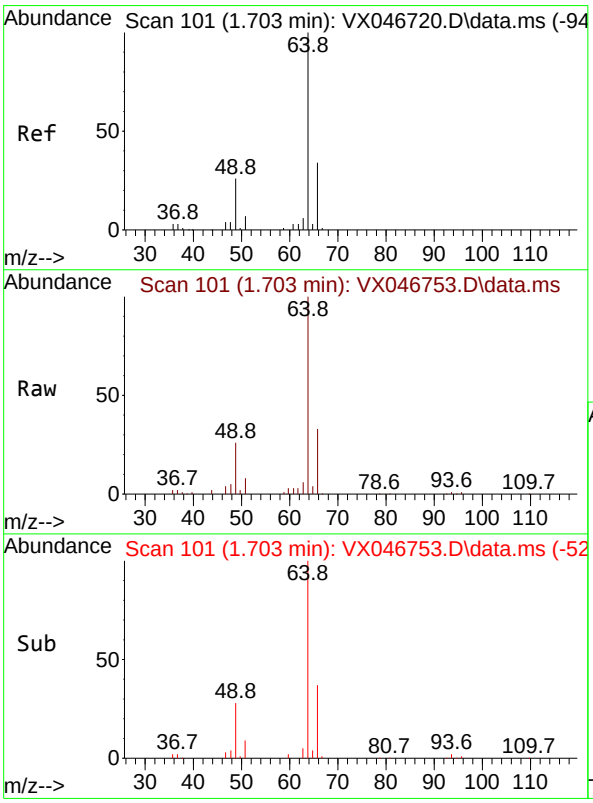

#5
Bromomethane
Concen: 51.989 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 94 Resp: 51420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.0 | 72.3 | 108.5 |

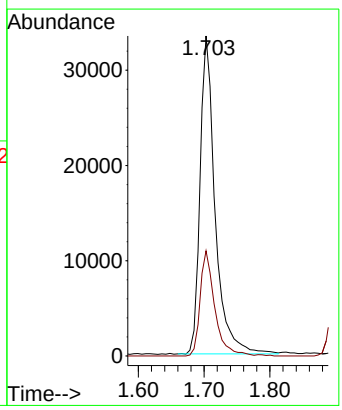


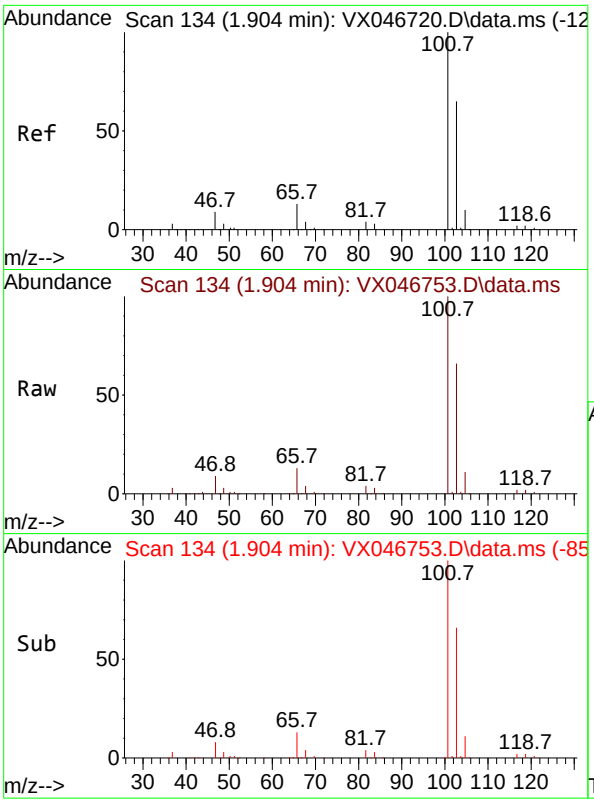




#6
Chloroethane
Concen: 49.805 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 64 Resp: 53067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.1 | 27.1 | 40.7 |



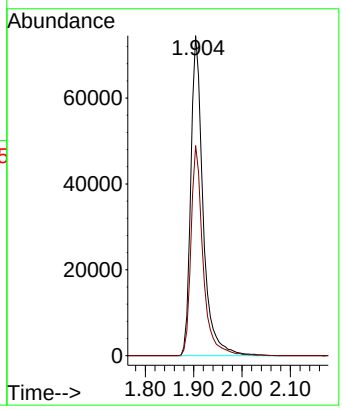


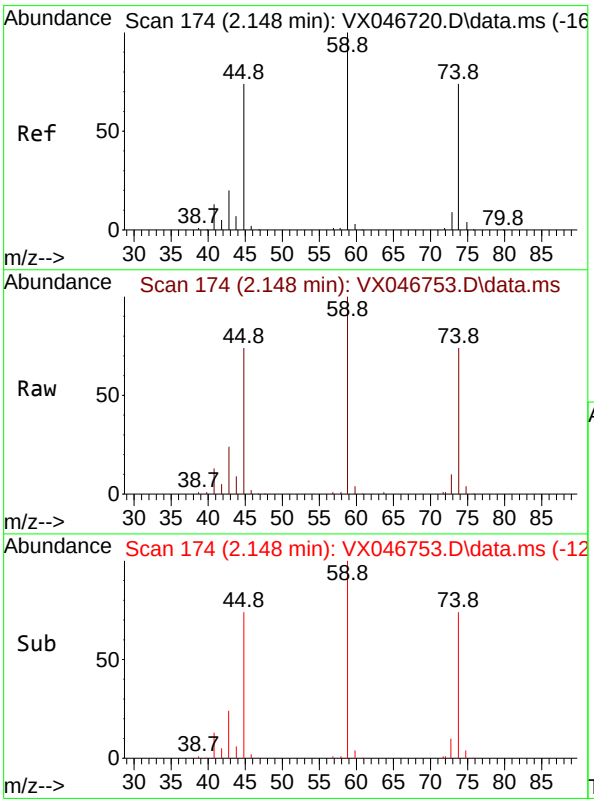

#7
Trichlorofluoromethane
Concen: 49.095 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:101 Resp: 131050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 51.8 | 77.8 |

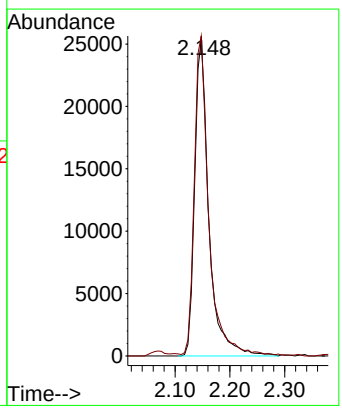


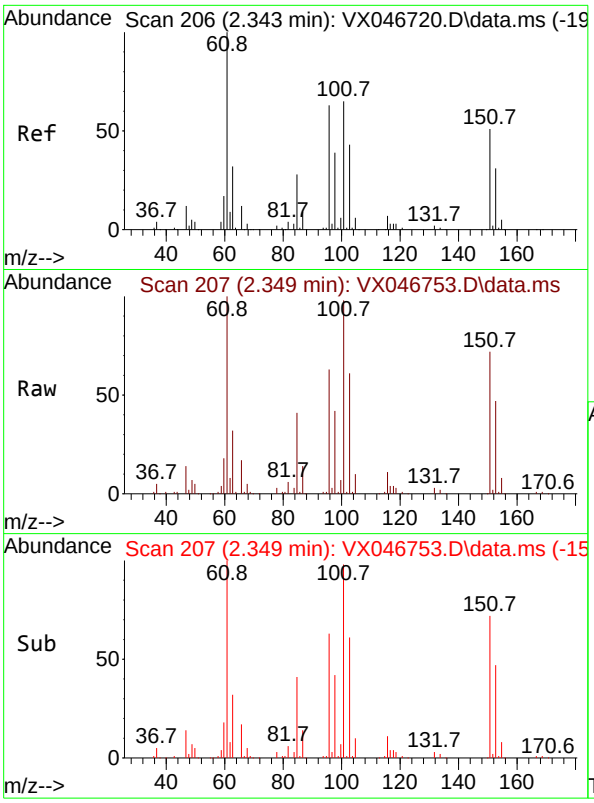




#8
Diethyl Ether
Concen: 49.928 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 74 Resp: 45738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.8 | 52.3 | 157.1 |



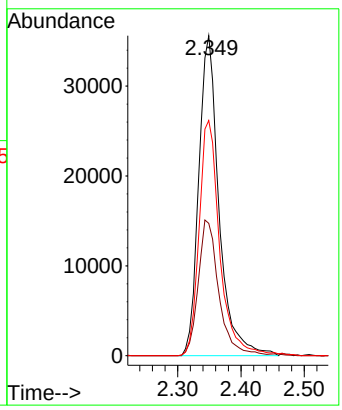


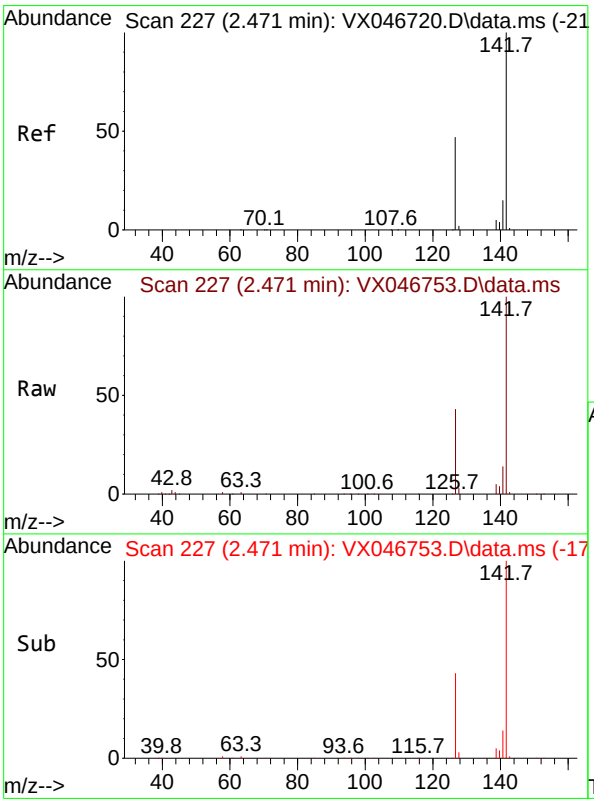

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.400 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:101 Resp: 79258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.1 | 35.4 | 53.0 |
| 151 | 75.3 | 61.2 | 91.8 |

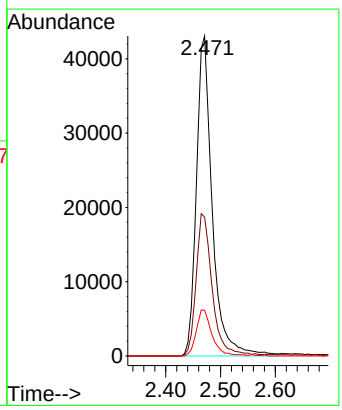


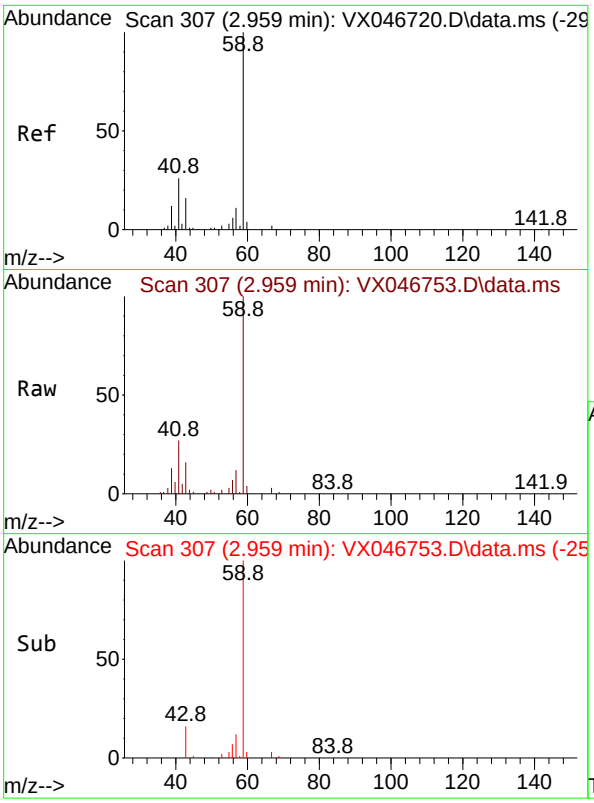




#10
Methyl Iodide
Concen: 43.078 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:142 Resp: 86957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.1 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |



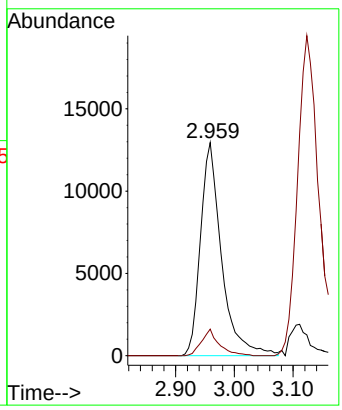


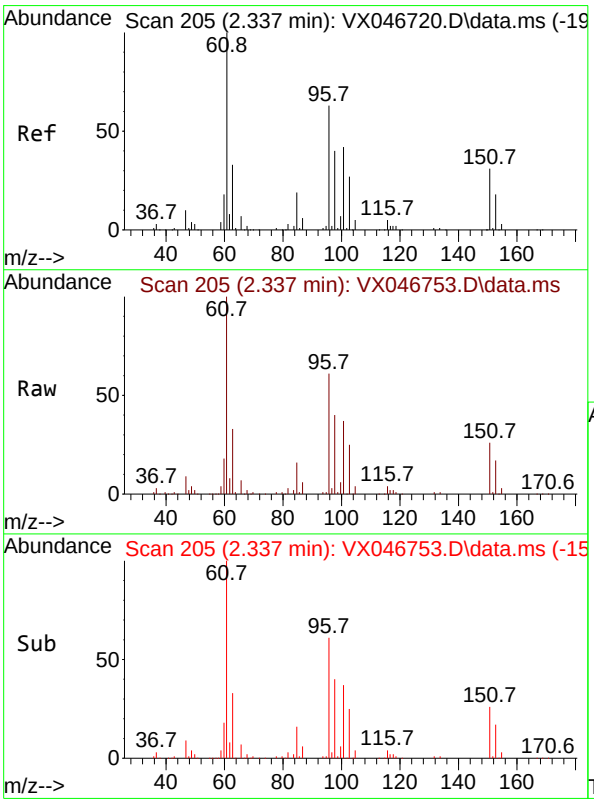

#11
Tert butyl alcohol
Concen: 181.614 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 59 Resp: 32255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

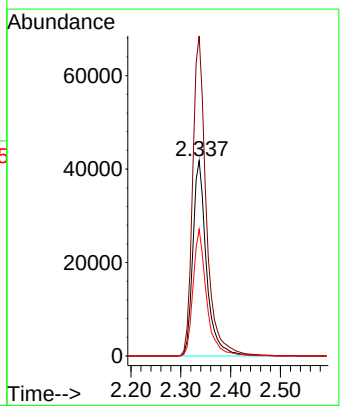


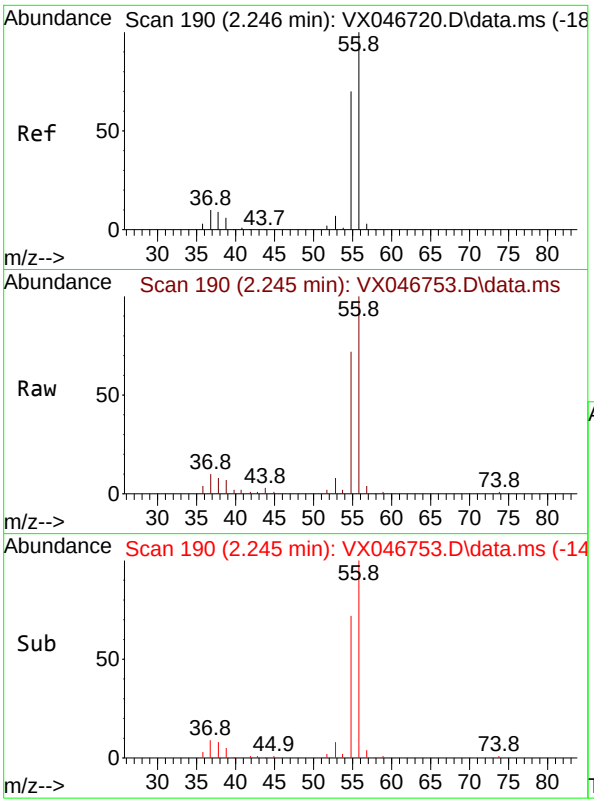




#12
1,1-Dichloroethene
Concen: 50.320 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 96 Resp: 79512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 126.6 | 189.8 |
| 98 | 64.9 | 50.7 | 76.1 |



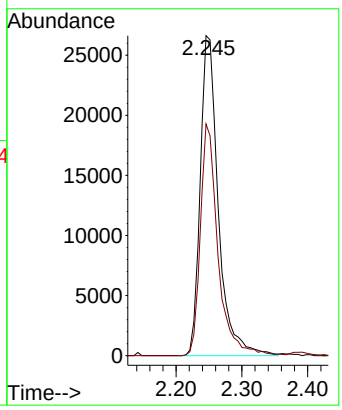


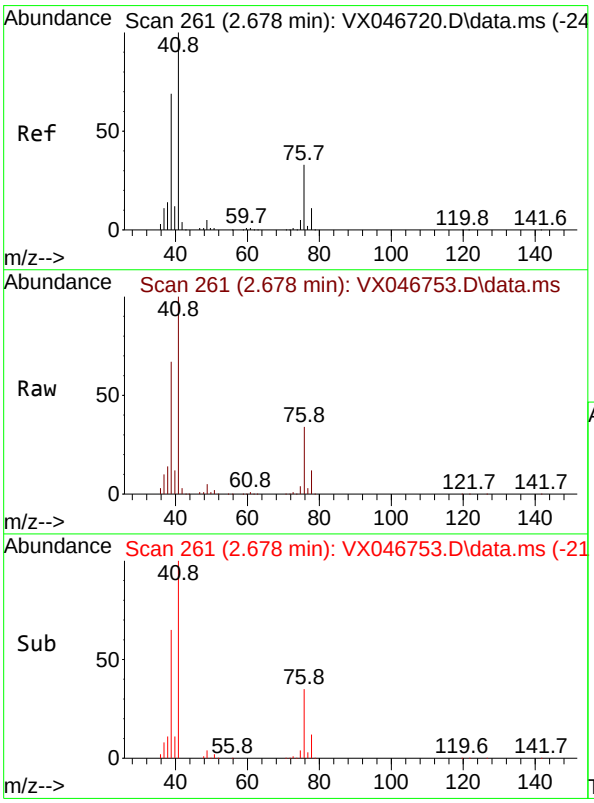

#13
Acrolein
Concen: 196.722 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 56 Resp: 50890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 55.2 | 82.8 |

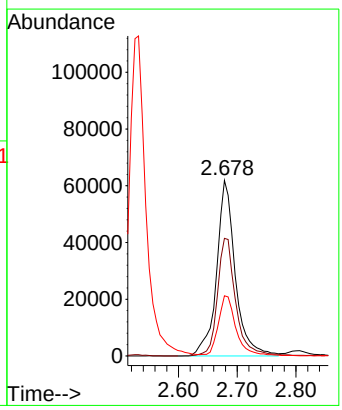


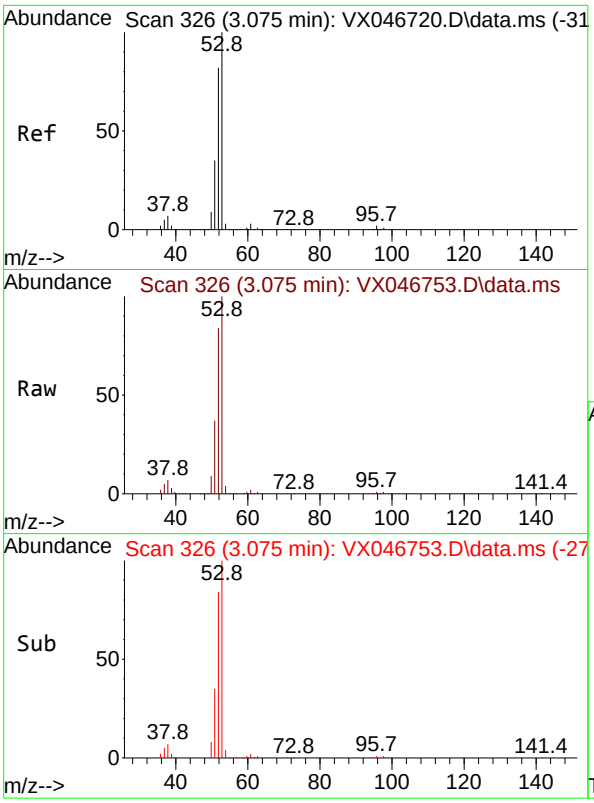




#14
Allyl chloride
Concen: 47.851 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 41 Resp: 136995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.8 | 53.6 | 80.4 |
| 76 | 32.9 | 26.8 | 40.2 |



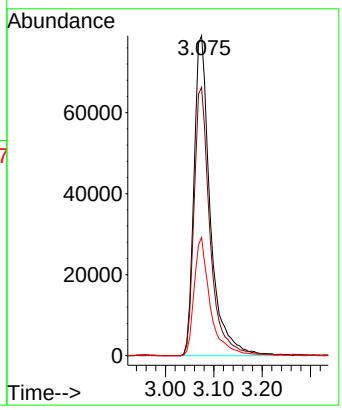


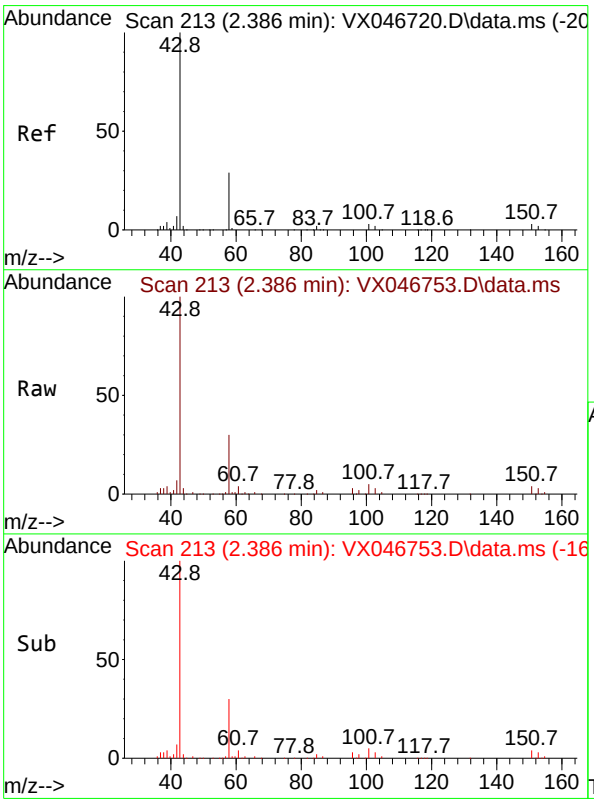

#15
Acrylonitrile
Concen: 231.310 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 53 Resp: 184725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.8 | 28.9 | 43.3 |

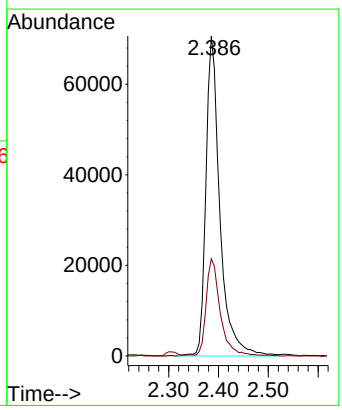


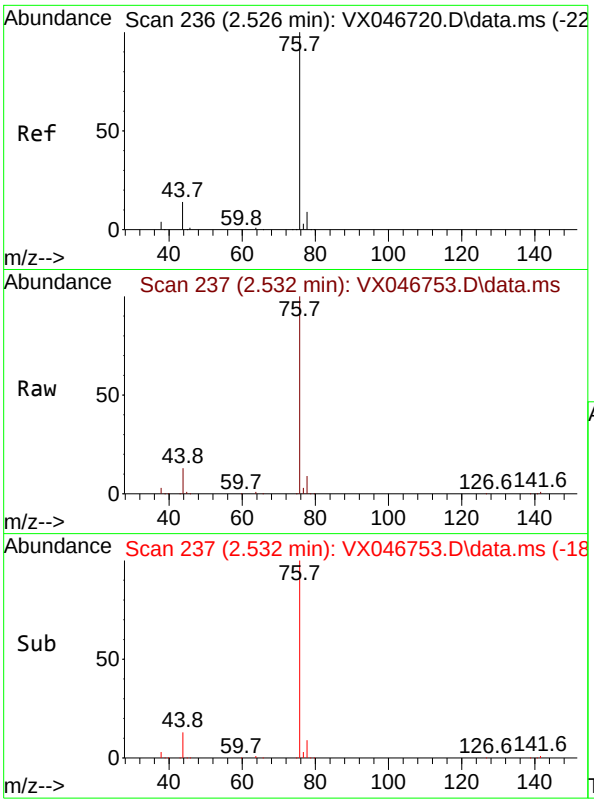




#16
Acetone
Concen: 208.316 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 137459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.3 | 24.5 | 36.7 |



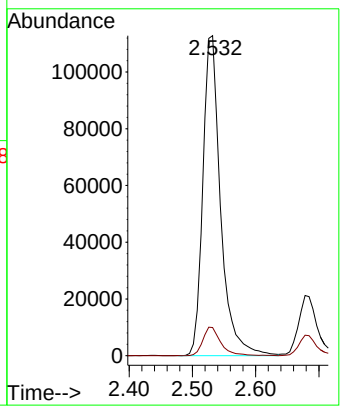


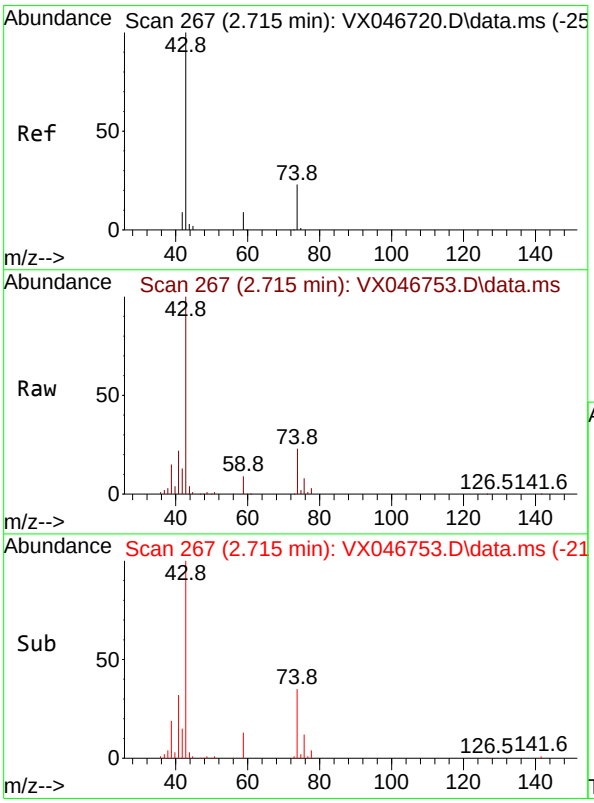

#17
Carbon Disulfide
Concen: 46.240 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 76 Resp: 220641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.5 | 11.3 |

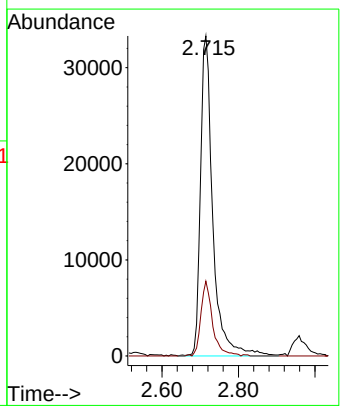


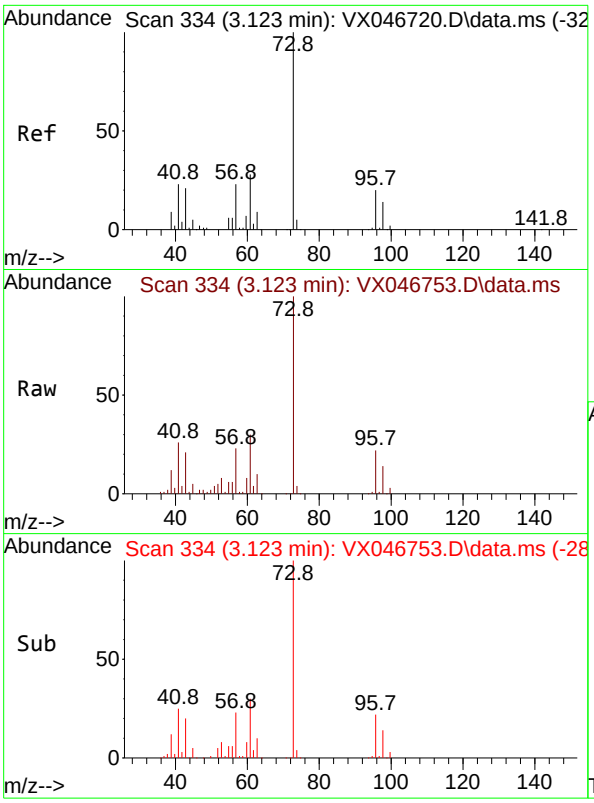




#18
Methyl Acetate
Concen: 44.481 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 74547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 18.4 | 27.6 |



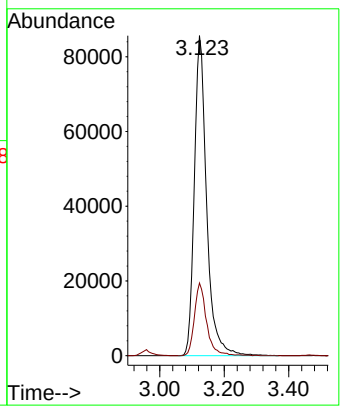


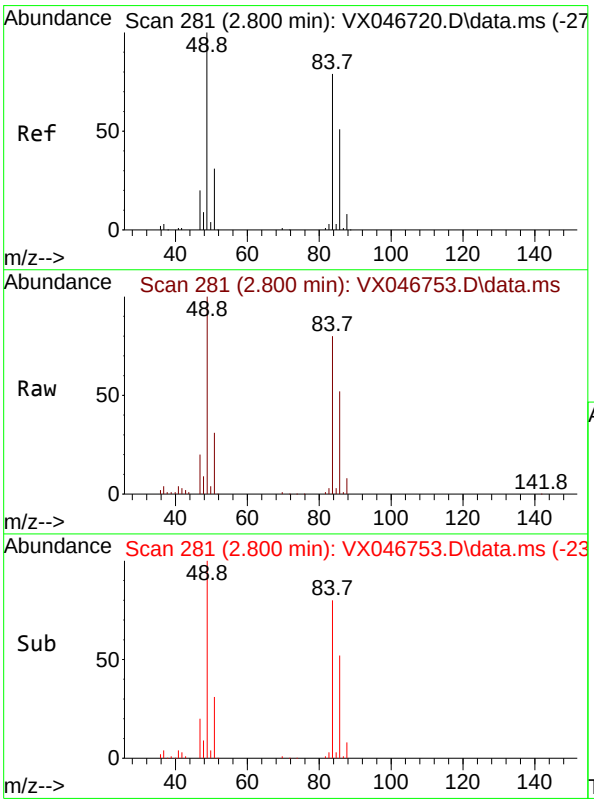

#19
Methyl tert-butyl Ether
Concen: 46.091 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 73 Resp: 226770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |

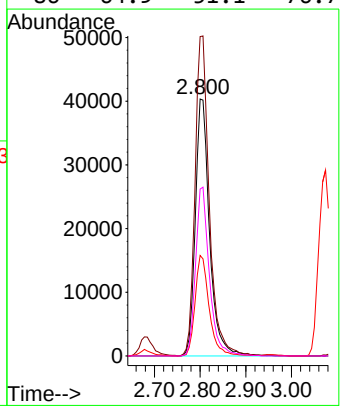


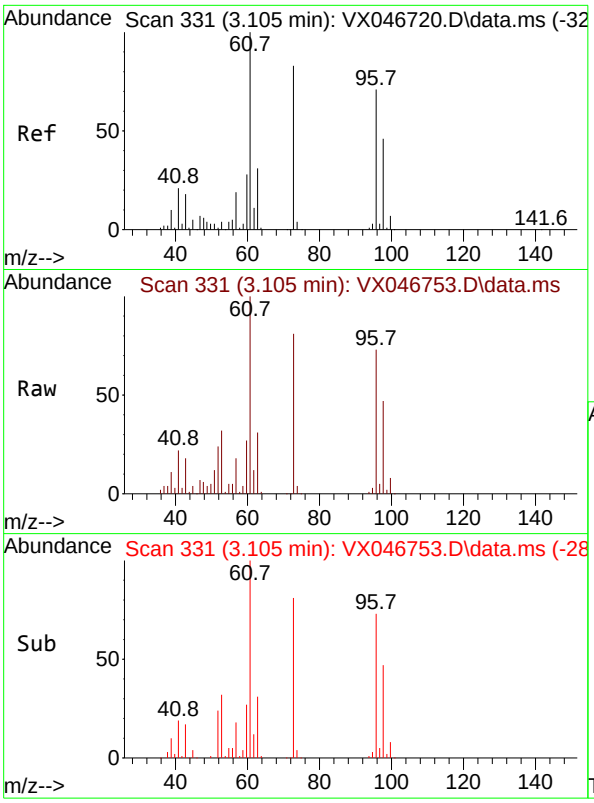




#20
Methylene Chloride
Concen: 47.587 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 84 Resp: 87325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.3 | 101.3 | 151.9 |
| 51 | 39.1 | 31.0 | 46.6 |
| 86 | 64.9 | 51.1 | 76.7 |



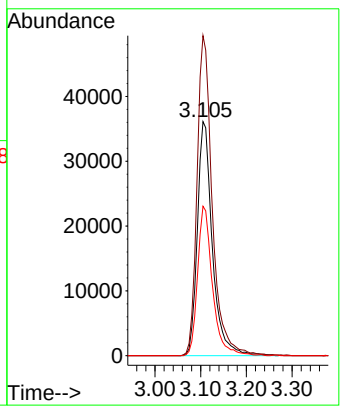


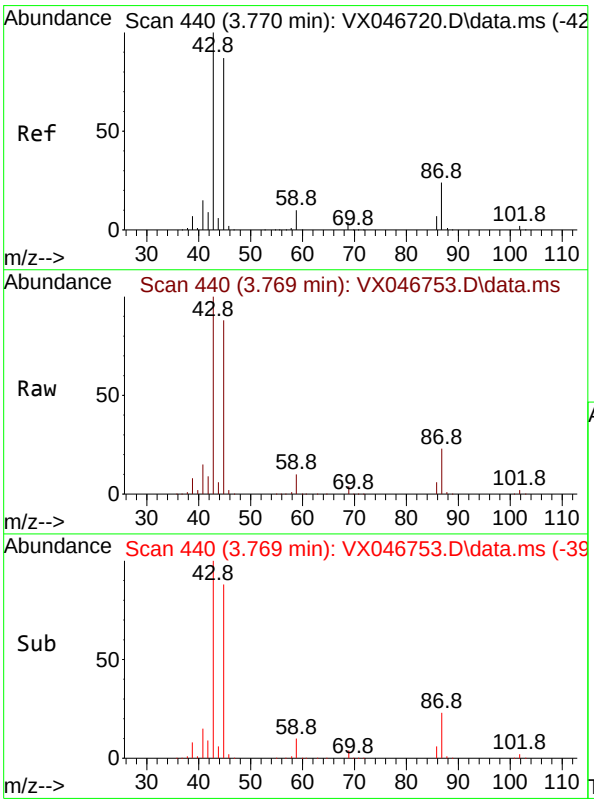

#21
trans-1,2-Dichloroethene
Concen: 48.802 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 96 Resp: 82513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.7 | 112.5 | 168.7 |
| 98 | 63.8 | 51.9 | 77.9 |

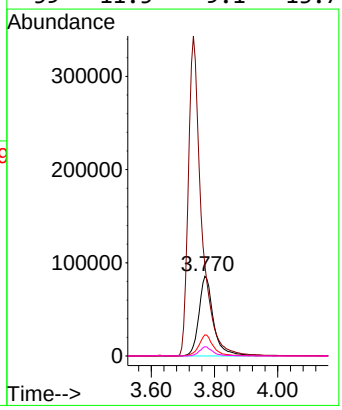


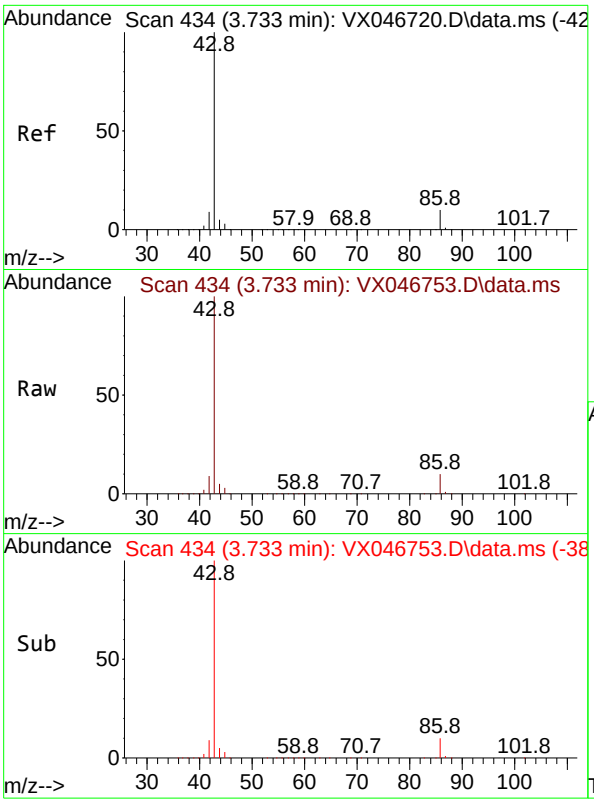




#22
Diisopropyl ether
Concen: 49.974 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 45 Resp: 275002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 113.3 | 91.9 | 137.9 |
| 87 | 26.6 | 22.0 | 33.0 |
| 59 | 11.5 | 9.1 | 13.7 |



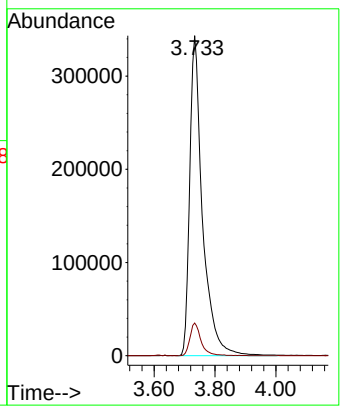


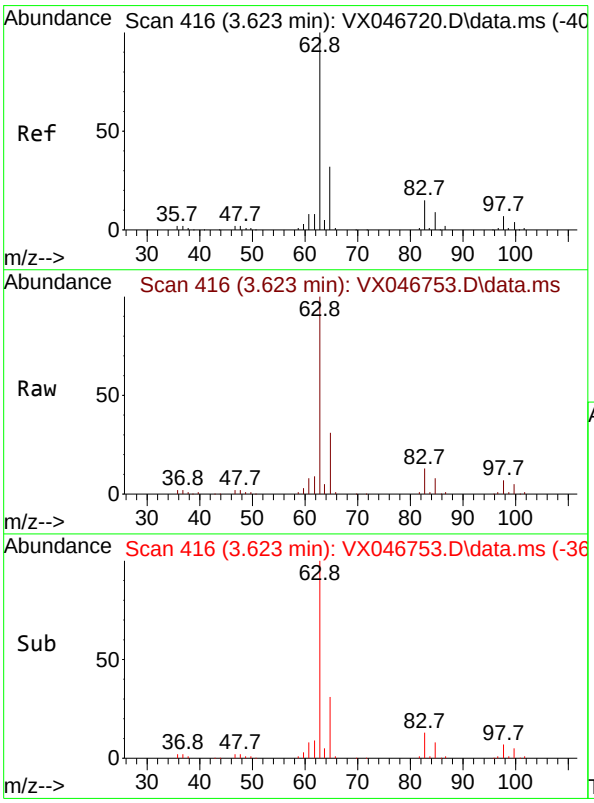

#23
Vinyl Acetate
Concen: 228.560 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 1000170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

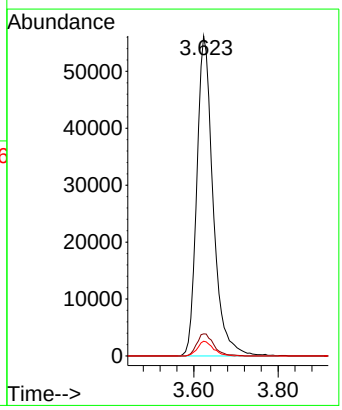


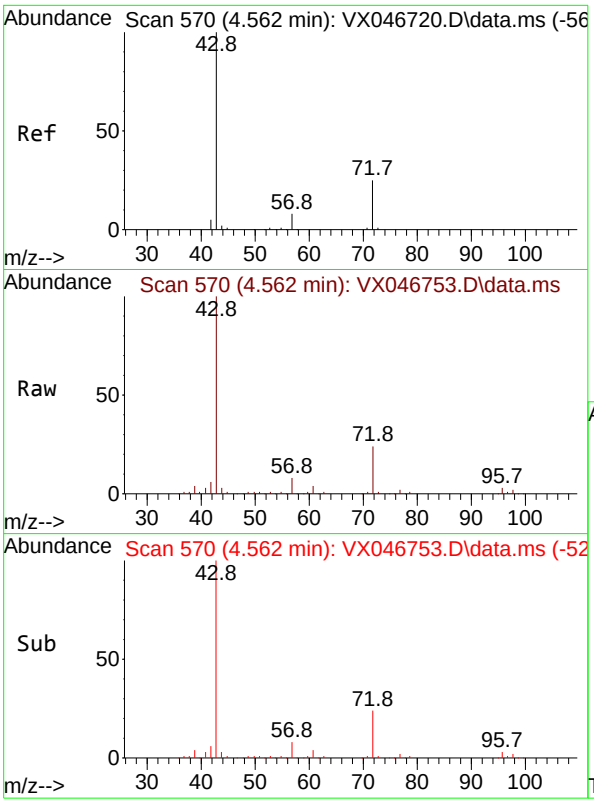




#24
1,1-Dichloroethane
Concen: 48.365 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 63 Resp: 151111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |



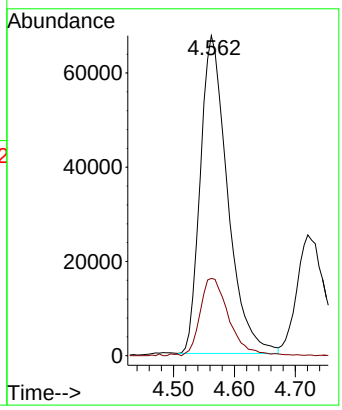


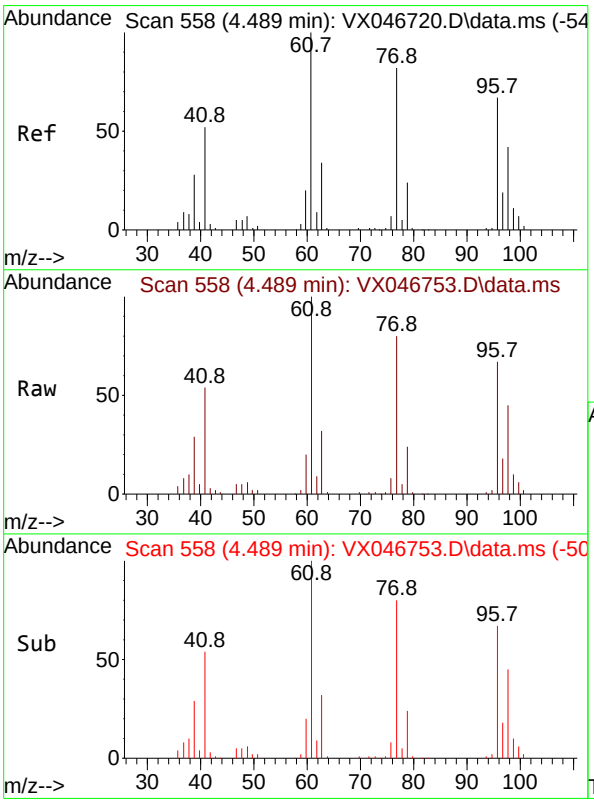

#25
2-Butanone
Concen: 224.903 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 209888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.2 | 30.4 |

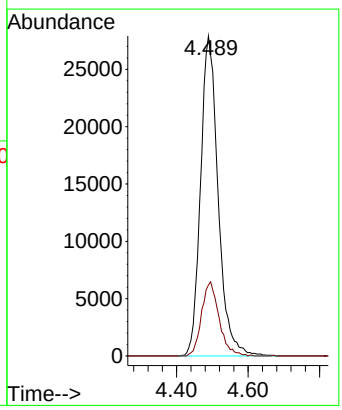


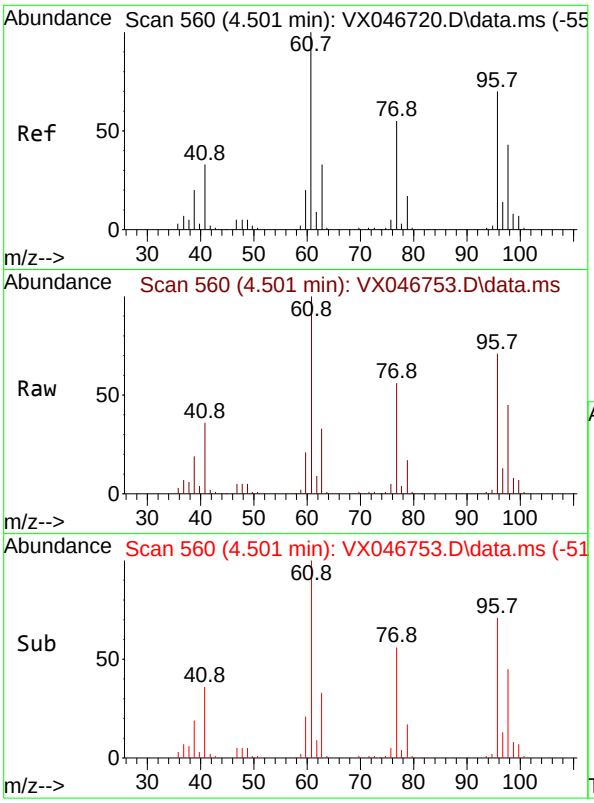




#26
2,2-Dichloropropane
Concen: 41.752 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 77 Resp: 95144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.1 | 11.8 | 35.3 |



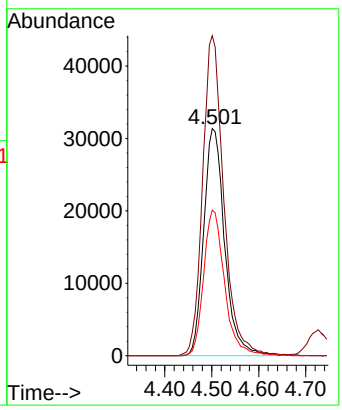


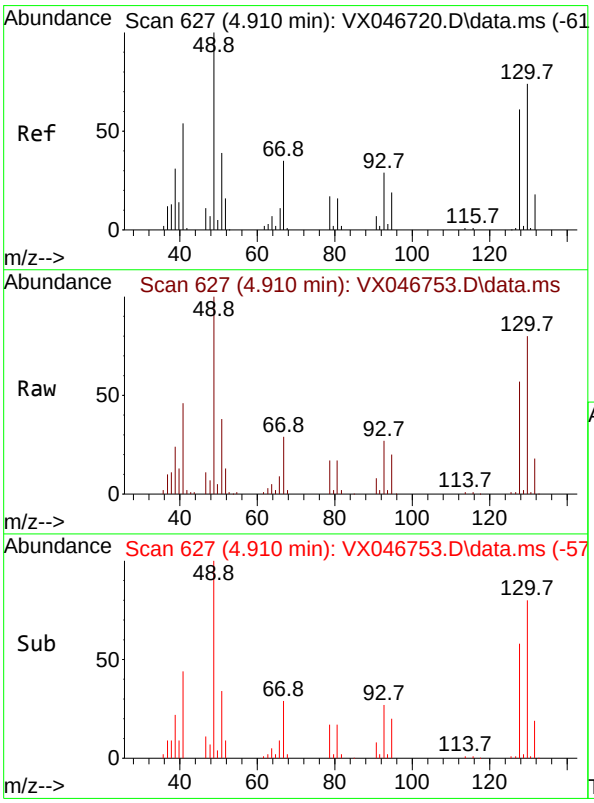

#27
cis-1,2-Dichloroethene
Concen: 48.734 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 96 Resp: 96805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.4 | 0.0 | 291.0 |
| 98 | 64.1 | 0.0 | 126.8 |

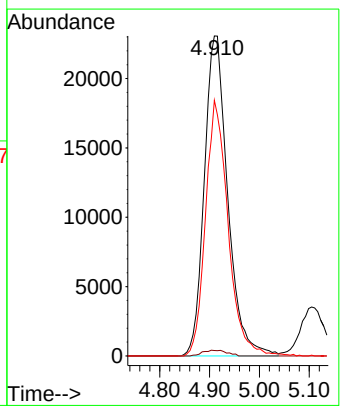


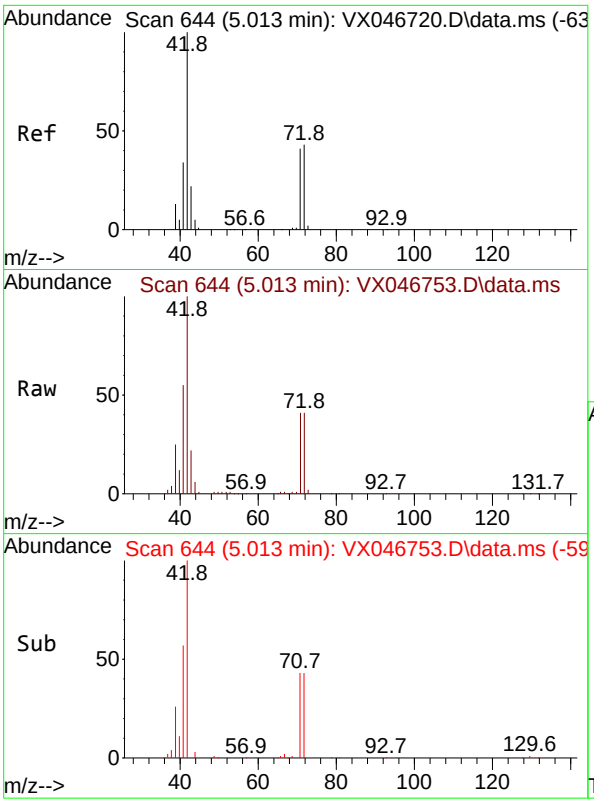




#28
Bromochloromethane
Concen: 53.219 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 49 Resp: 75384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.8 |
| 130 | 77.0 | 61.4 | 92.0 |



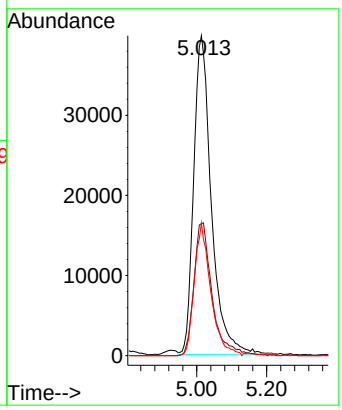


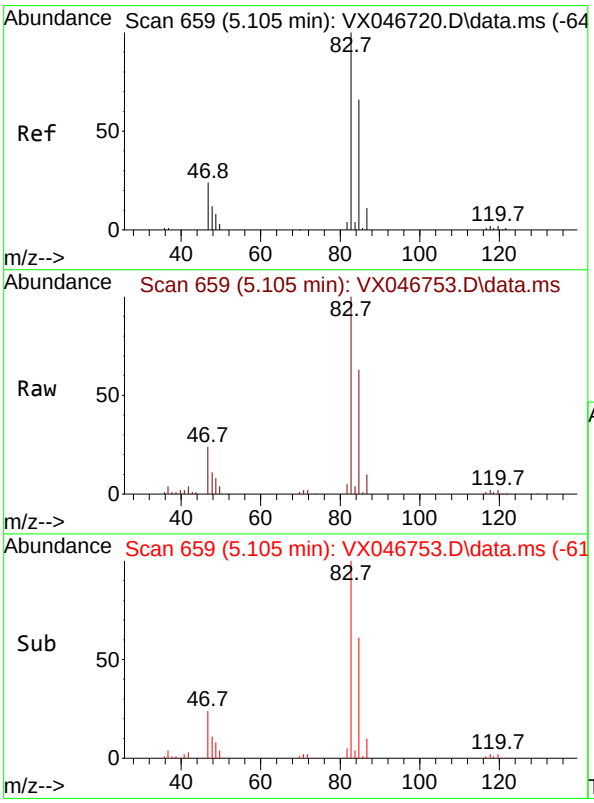

#29
Tetrahydrofuran
Concen: 231.740 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 42 Resp: 139690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.0 | 34.9 | 52.3 |
| 71 | 38.6 | 32.2 | 48.2 |

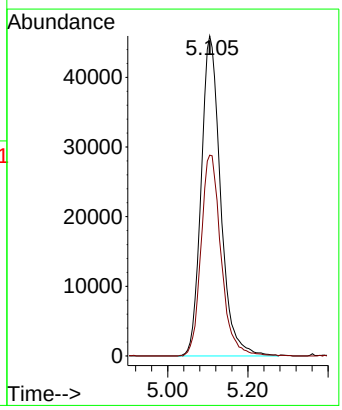


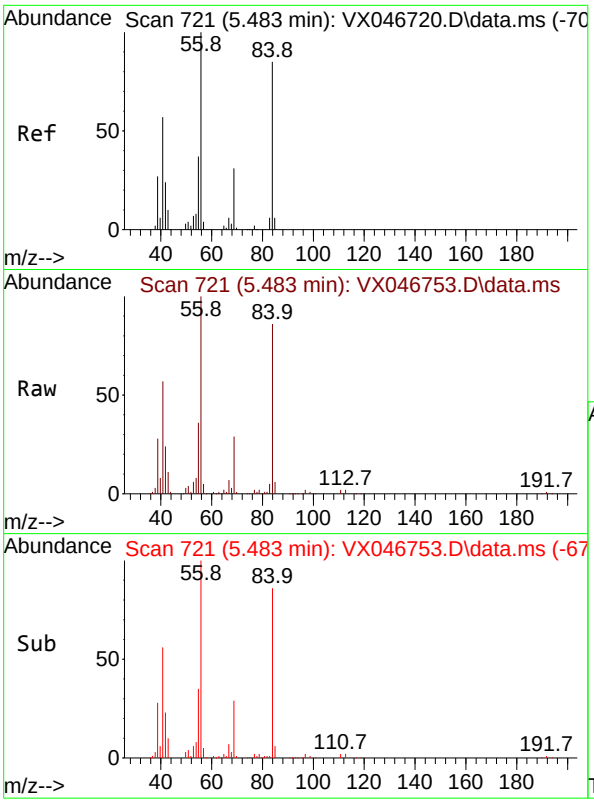




#30
Chloroform
Concen: 49.396 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 83 Resp: 154343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.8 | 53.7 | 80.5 |



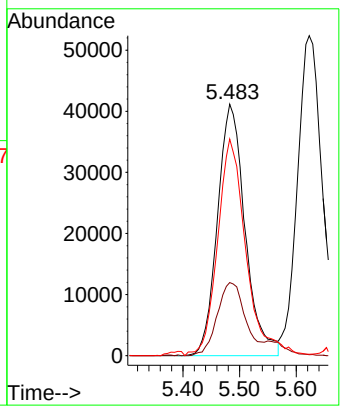


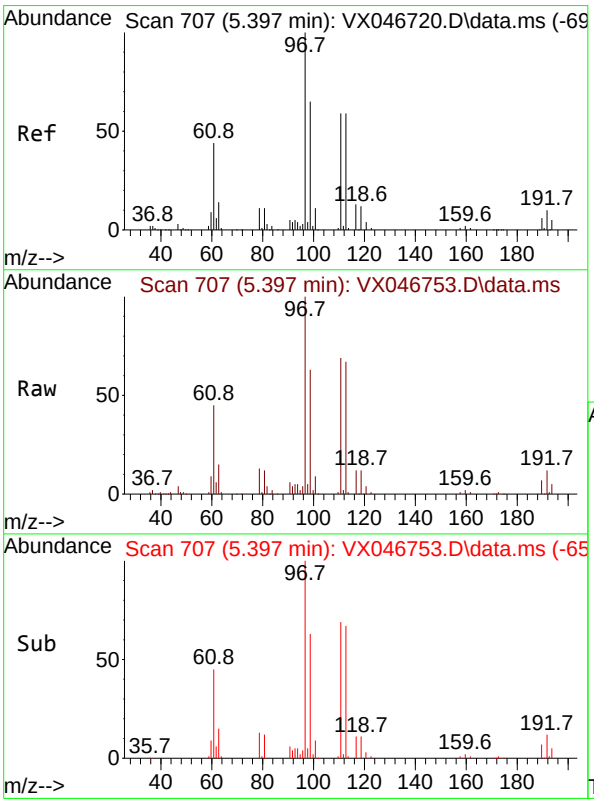

#31
Cyclohexane
Concen: 46.988 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 56 Resp: 139222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.8 | 37.2 |
| 84 | 84.4 | 68.2 | 102.2 |

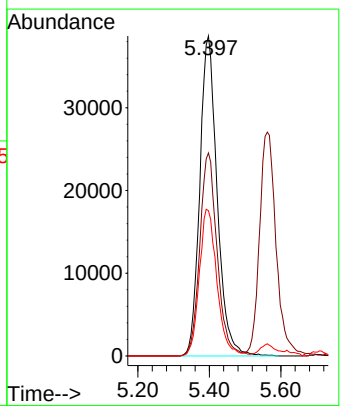


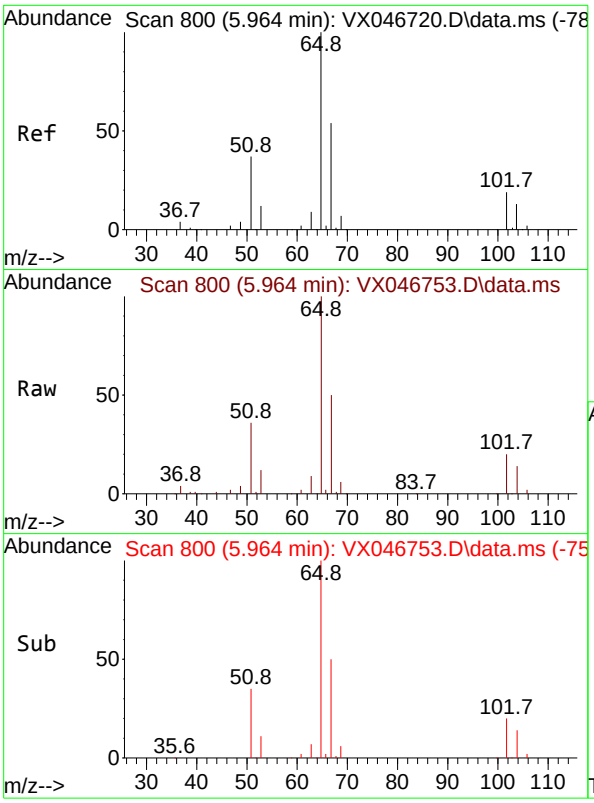




#32
1,1,1-Trichloroethane
Concen: 47.547 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 97 Resp: 130295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.3 | 76.9 |
| 61 | 46.6 | 36.4 | 54.6 |



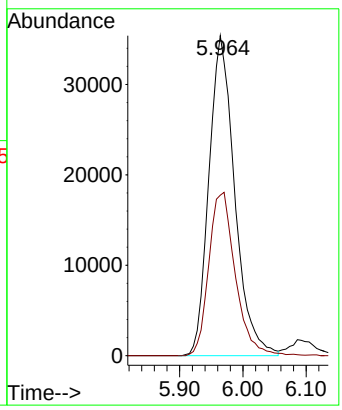


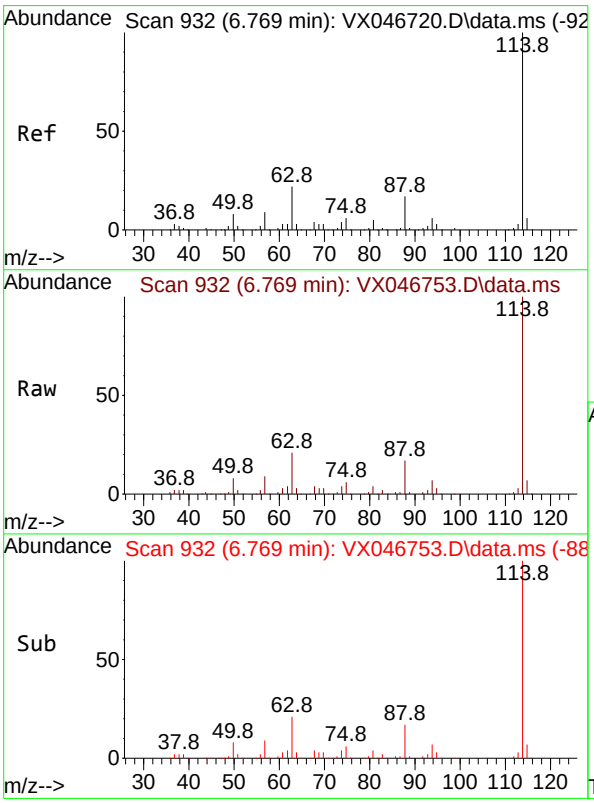

#33
1,2-Dichloroethane-d4
Concen: 50.601 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 65 Resp: 100125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 105.4 |

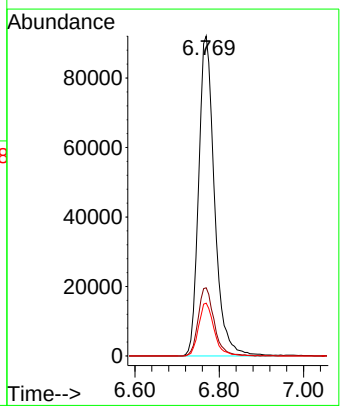


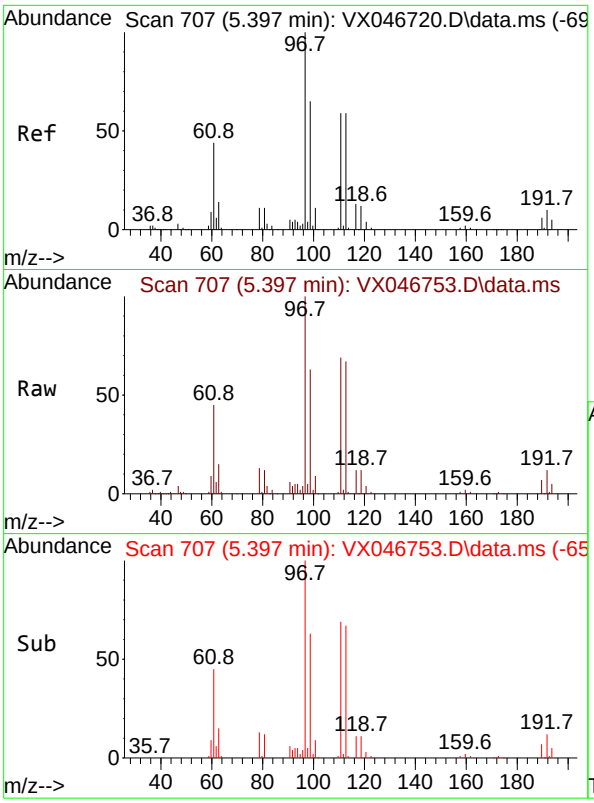




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:114 Resp: 240999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 44.2 |
| 88 | 16.5 | 0.0 | 33.2 |



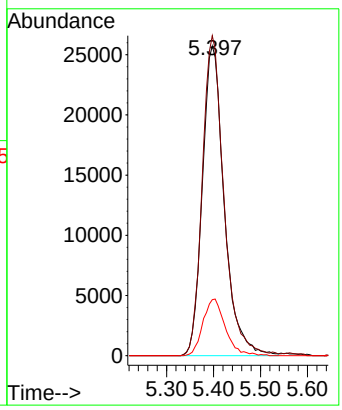


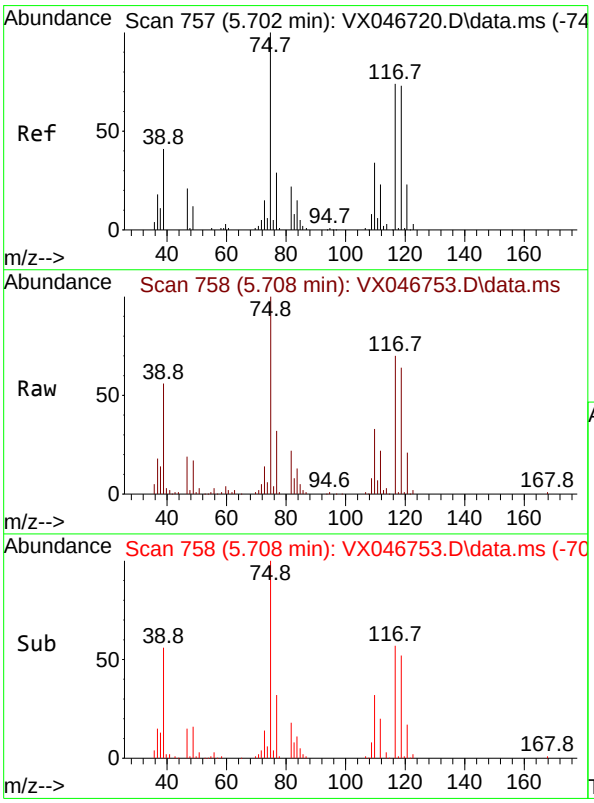

#35
Dibromofluoromethane
Concen: 52.078 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:113 Resp: 83040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |

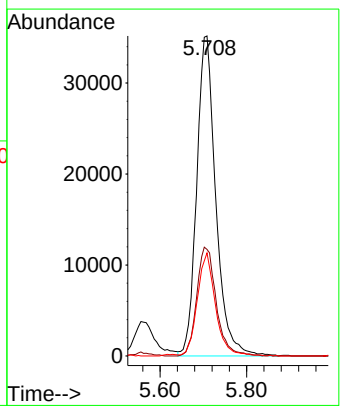


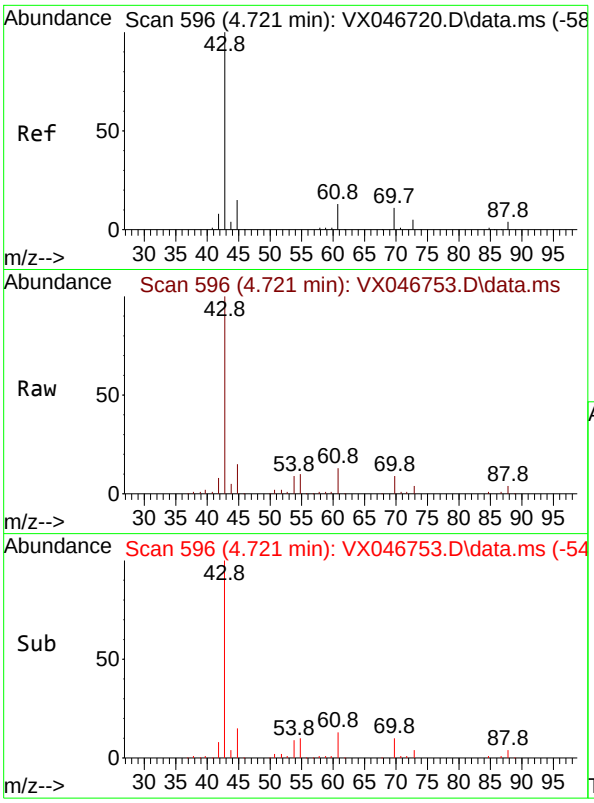




#36
1,1-Dichloropropene
Concen: 46.878 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 107903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.7 | 17.2 | 51.5 |
| 77 | 30.6 | 24.2 | 36.4 |



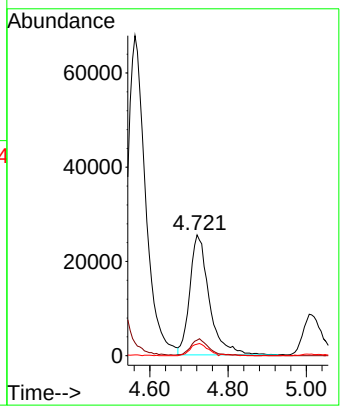


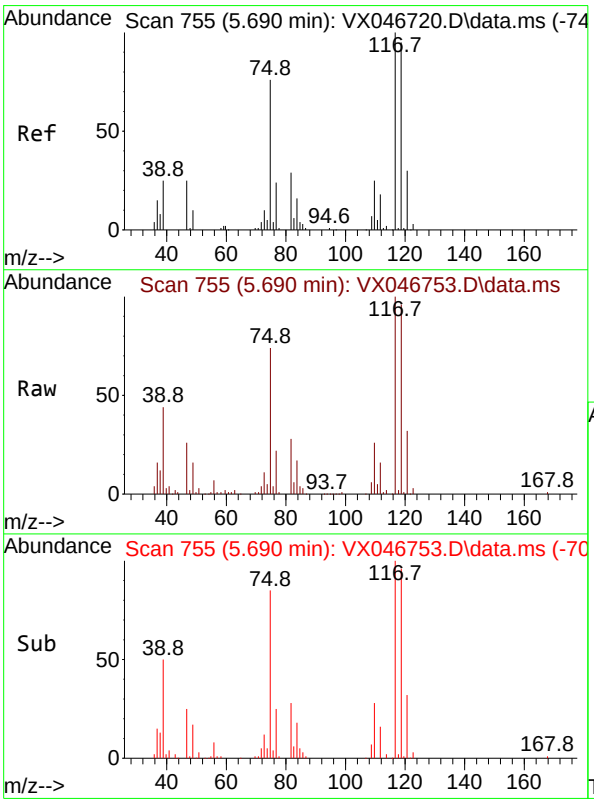

#37
Ethyl Acetate
Concen: 41.462 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 88092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 9.7 | 14.5 |
| 70 | 9.0 | 8.1 | 12.1 |

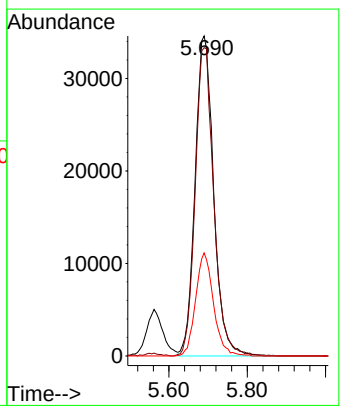


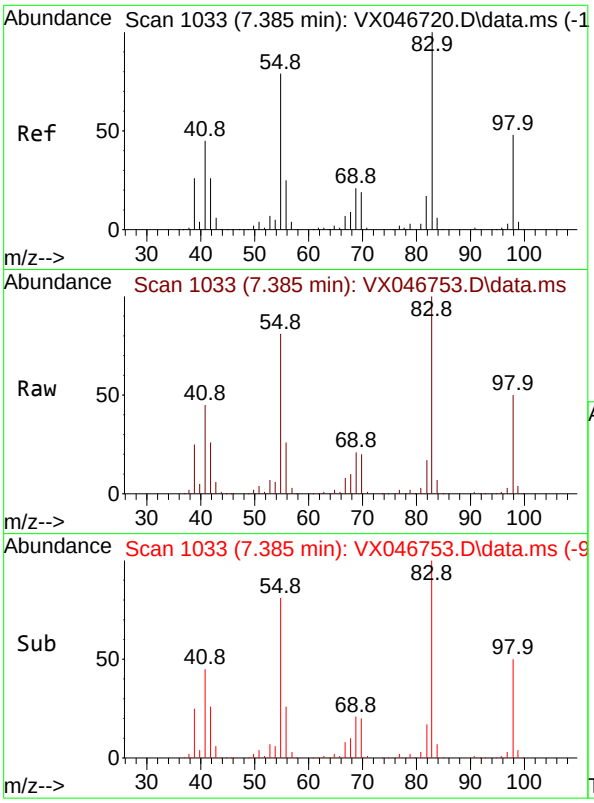




#38
Carbon Tetrachloride
Concen: 45.829 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:117 Resp: 114481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 75.2 | 112.8 |
| 121 | 32.2 | 24.1 | 36.1 |



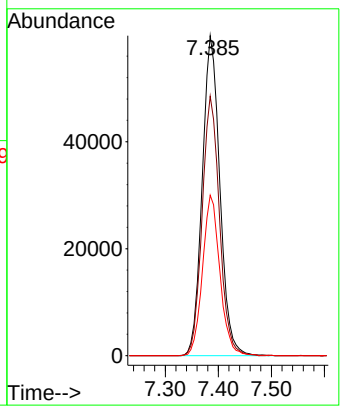


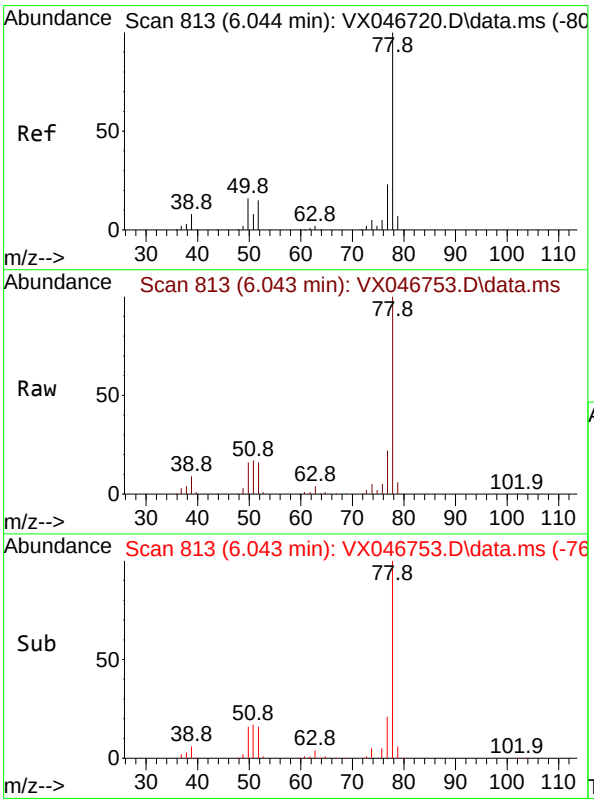

#39
Methylcyclohexane
Concen: 45.609 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 83 Resp: 138147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.1 | 63.0 | 94.4 |
| 98 | 50.1 | 38.8 | 58.2 |

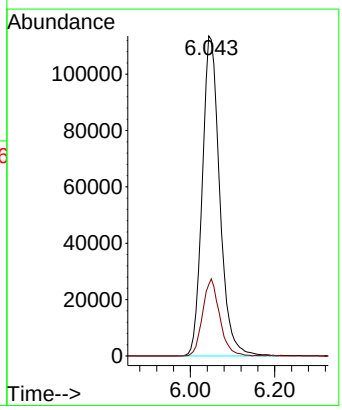


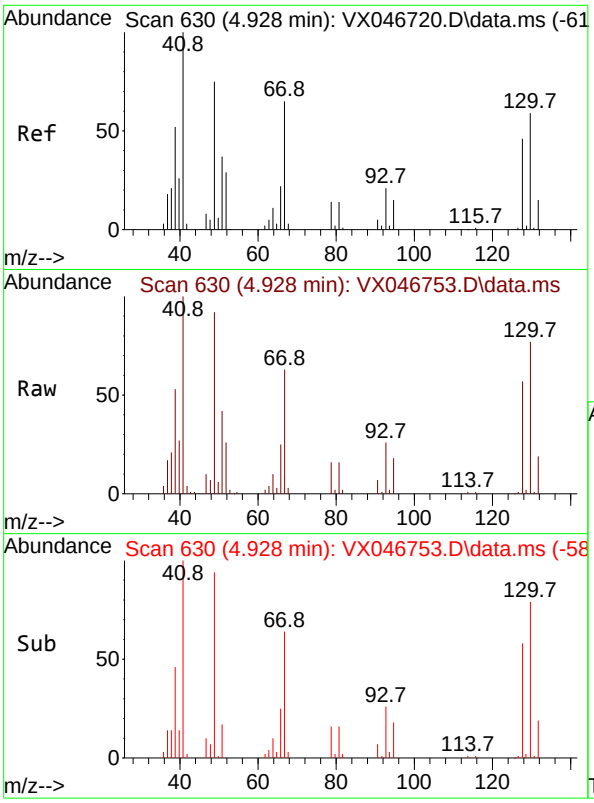




#40
Benzene
Concen: 47.998 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 78 Resp: 326964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 18.8 | 28.2 |



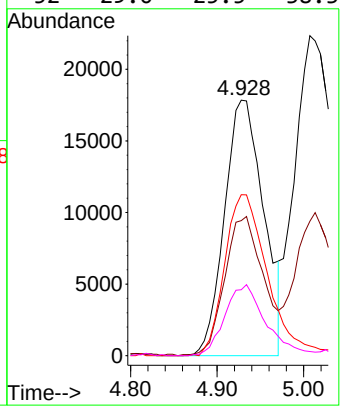


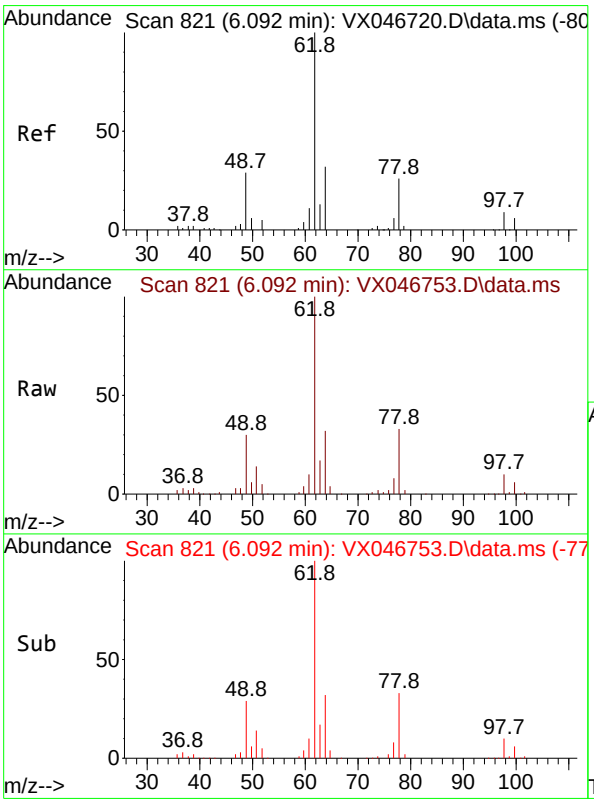

#41
Methacrylonitrile
Concen: 49.649 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 41 Resp: 56237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.6 | 45.9 | 68.9 |
| 67 | 69.6 | 61.2 | 91.8 |
| 52 | 29.0 | 25.5 | 38.3 |

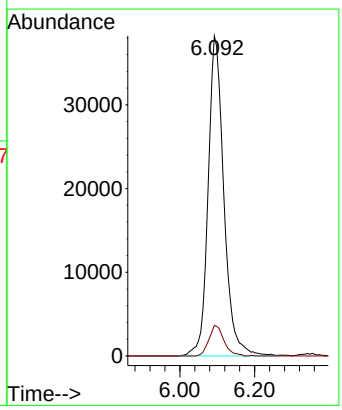


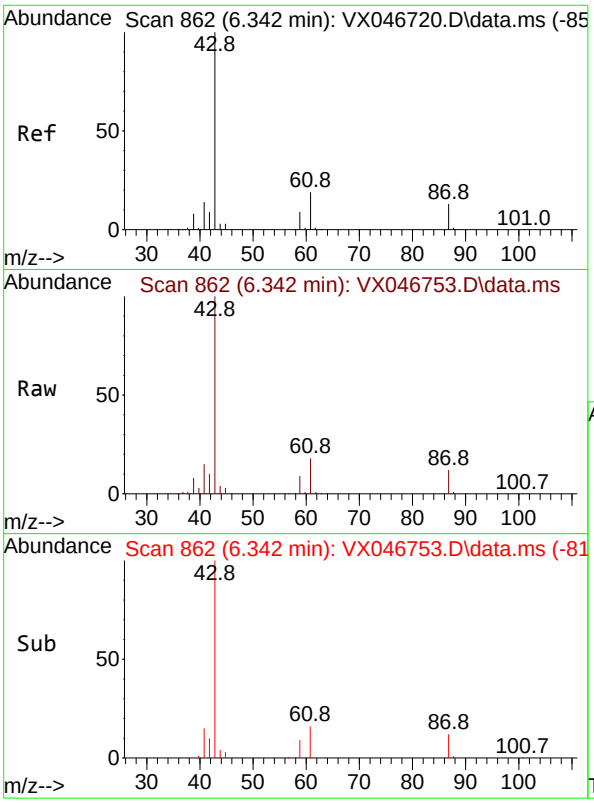




#42
1,2-Dichloroethane
Concen: 46.799 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 62 Resp: 112027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.8 |



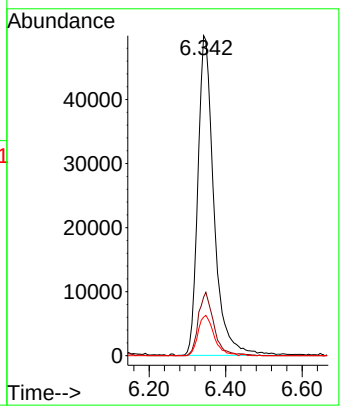


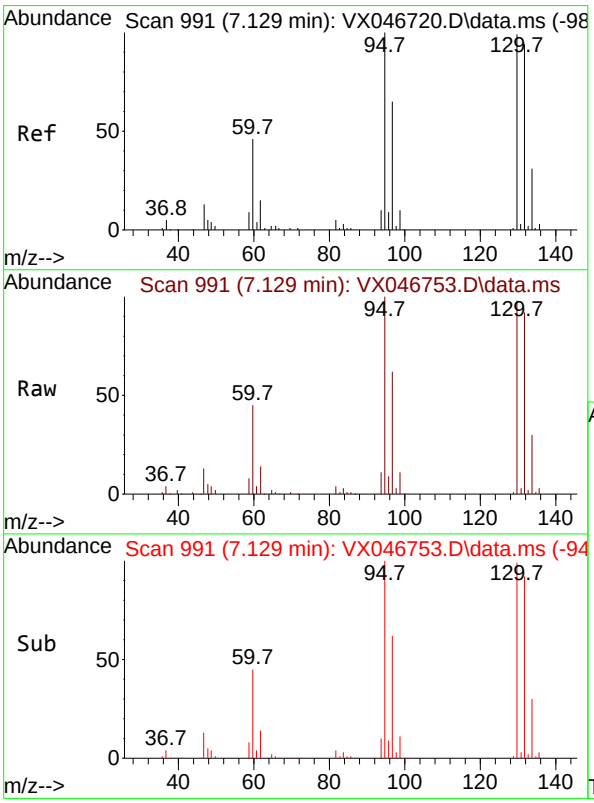

#43
Isopropyl Acetate
Concen: 43.619 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 145020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.3 | 22.9 |
| 87 | 12.6 | 10.0 | 15.0 |

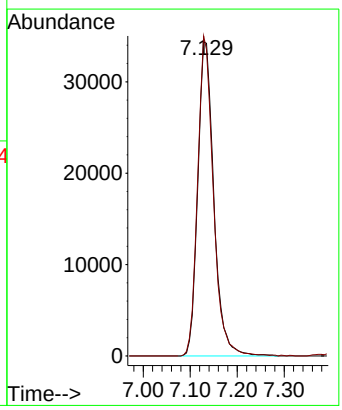


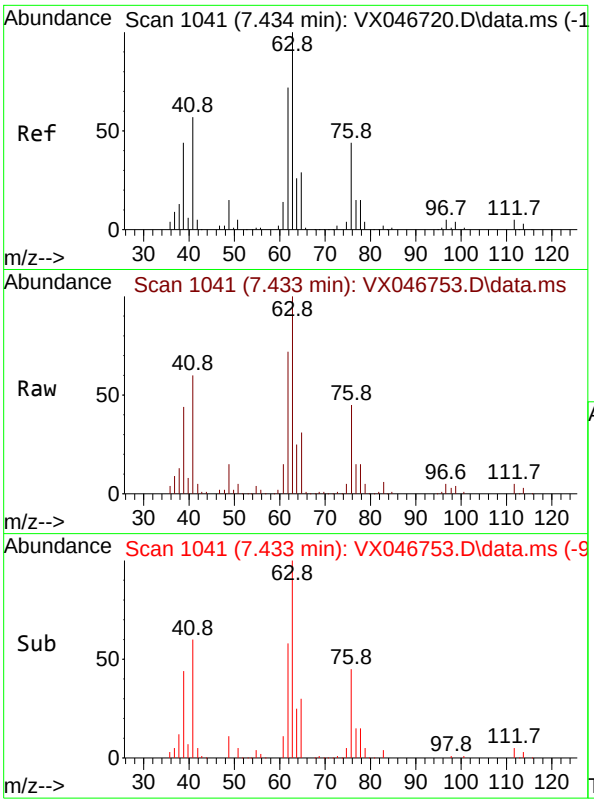




#44
Trichloroethene
Concen: 47.090 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:130 Resp: 81750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 202.6 |



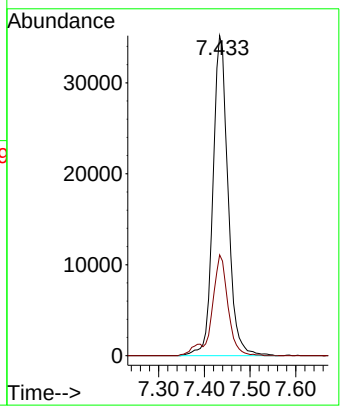


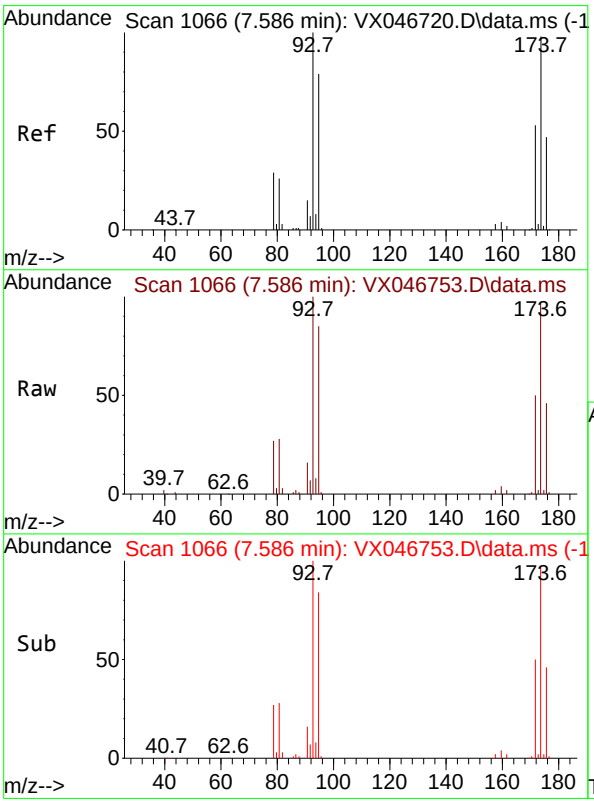

#45
1,2-Dichloropropane
Concen: 47.769 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 63 Resp: 80645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 22.9 | 34.3 |

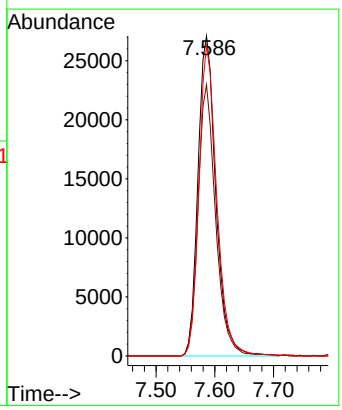


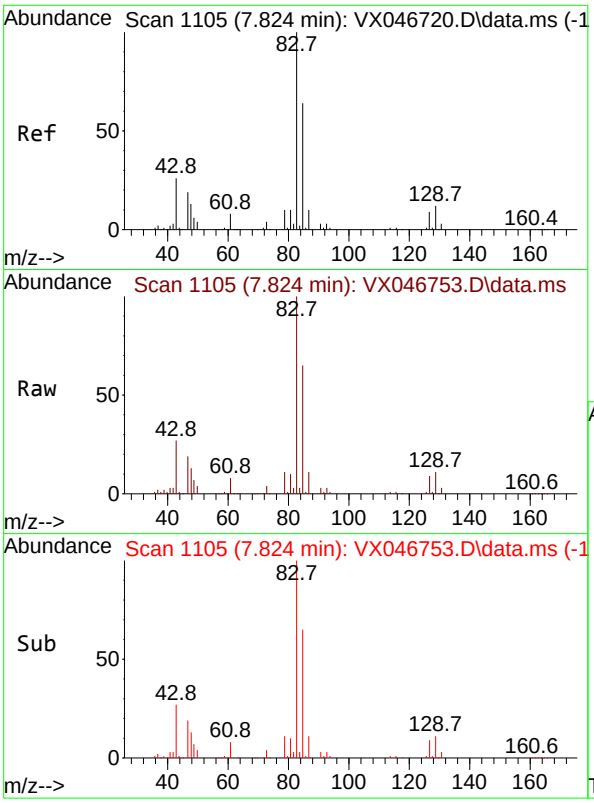




#46
Dibromomethane
Concen: 47.246 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 93 Resp: 57324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.7 | 66.2 | 99.4 |
| 174 | 96.7 | 77.0 | 115.6 |



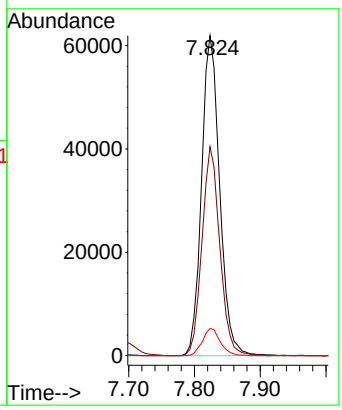


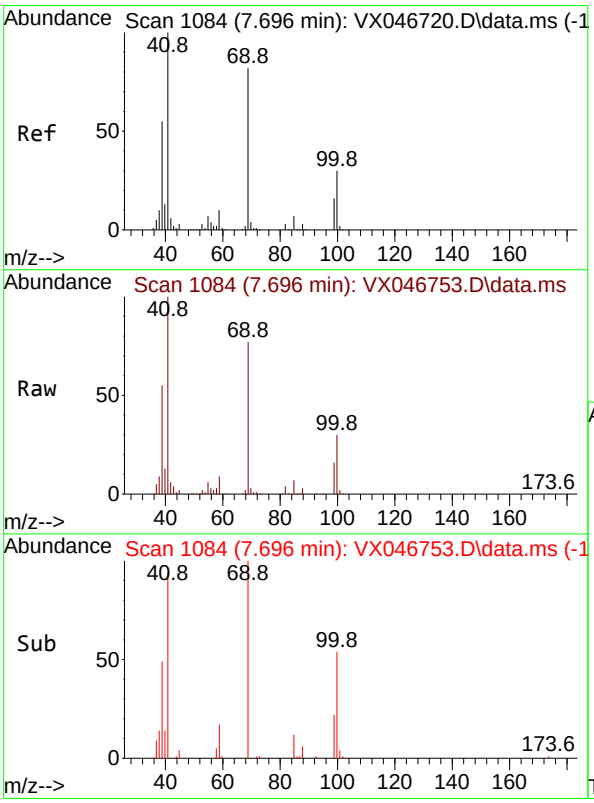

#47
Bromodichloromethane
Concen: 47.892 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 83 Resp: 118579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |

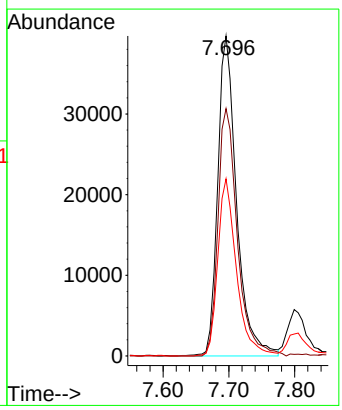


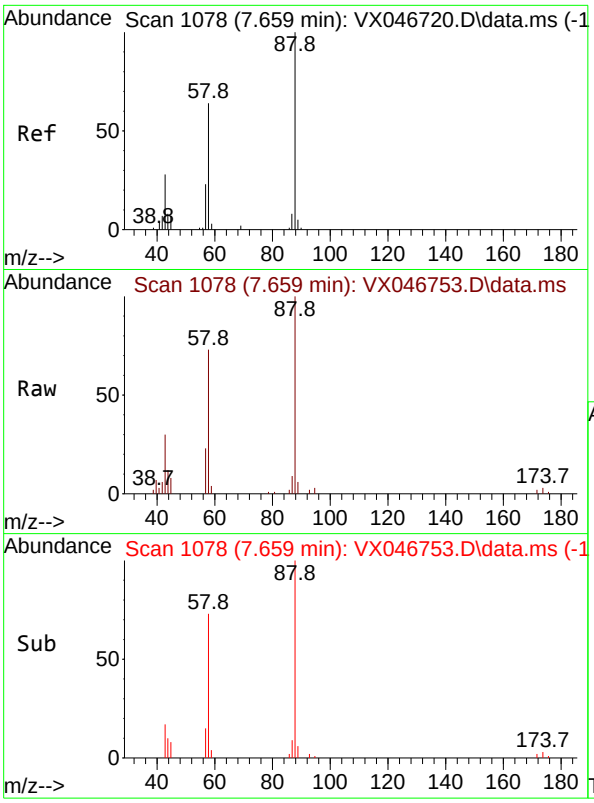




#48
Methyl methacrylate
Concen: 47.484 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 41 Resp: 79176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 54.9 | 45.4 | 68.0 |



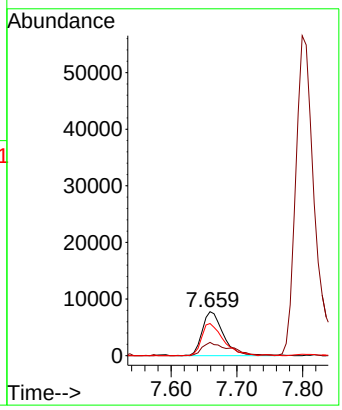


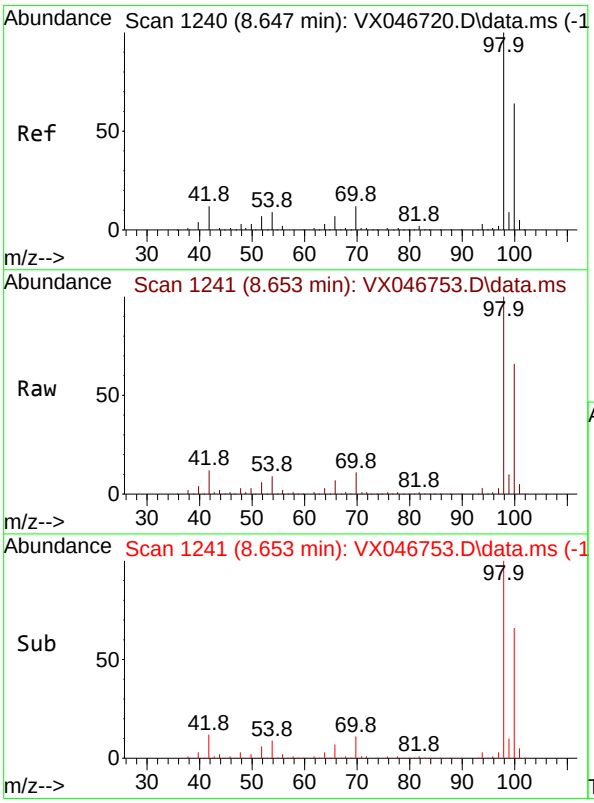

#49
1,4-Dioxane
Concen: 719.791 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 88 Resp: 17262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 31.2 | 46.8 |
| 58 | 75.0 | 54.7 | 82.1 |

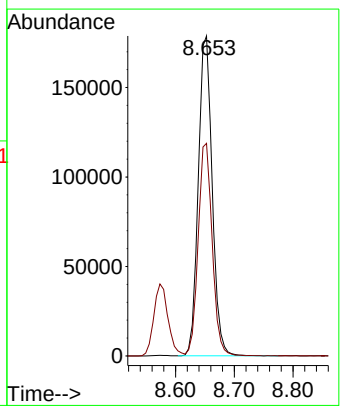


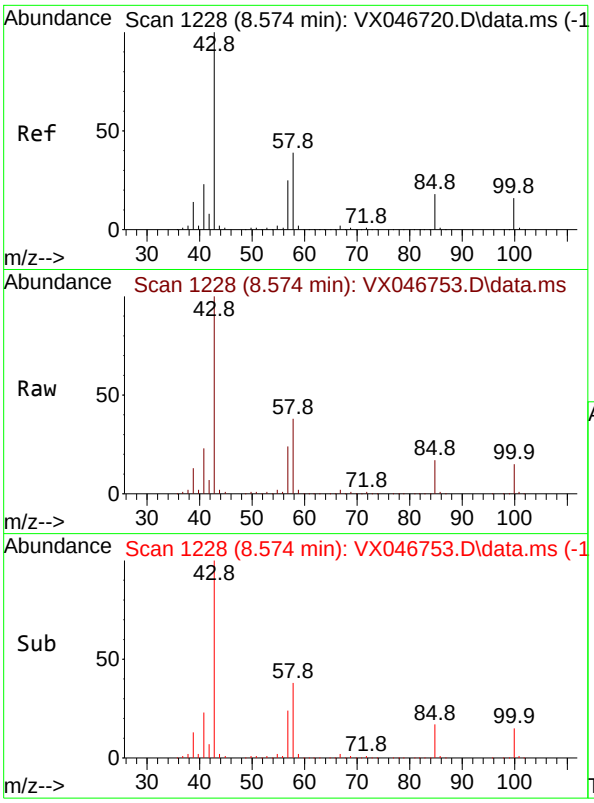




#50
Toluene-d8
Concen: 51.326 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 98 Resp: 294034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |



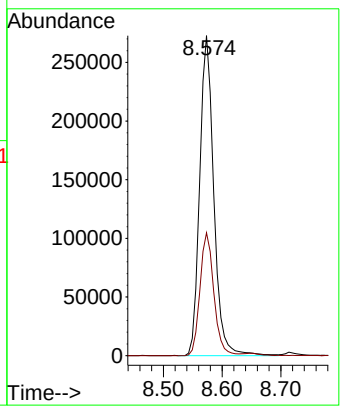


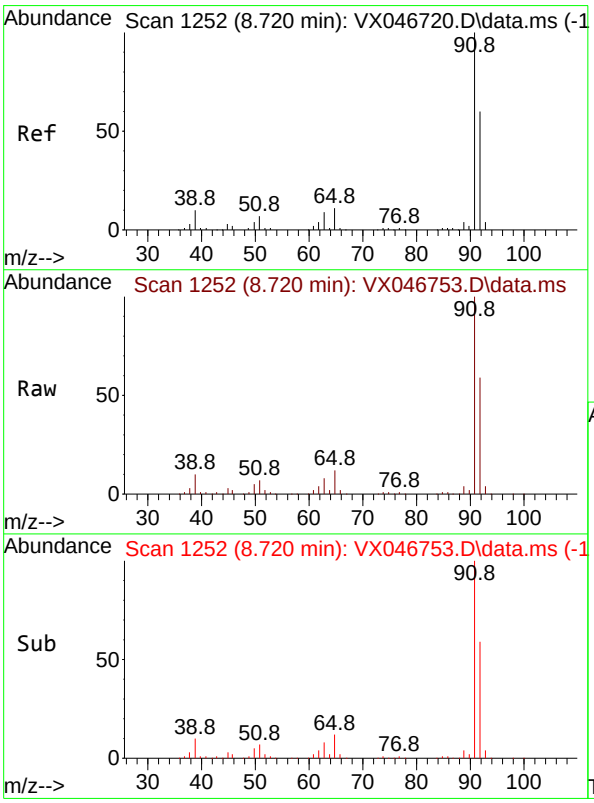

#51
4-Methyl-2-Pentanone
Concen: 229.964 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 455997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.8 | 46.2 |

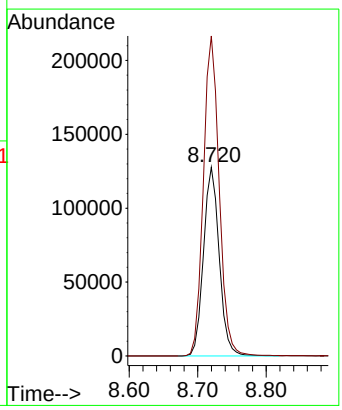


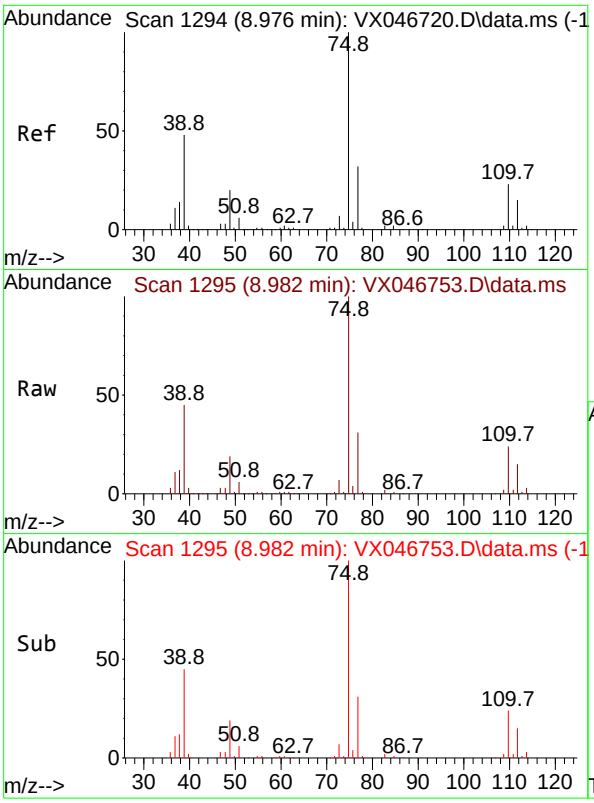




#52
Toluene
Concen: 48.249 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 92 Resp: 203758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.9 | 134.8 | 202.2 |



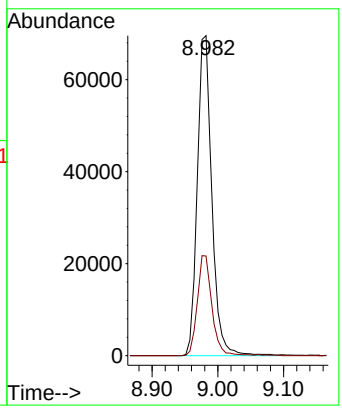


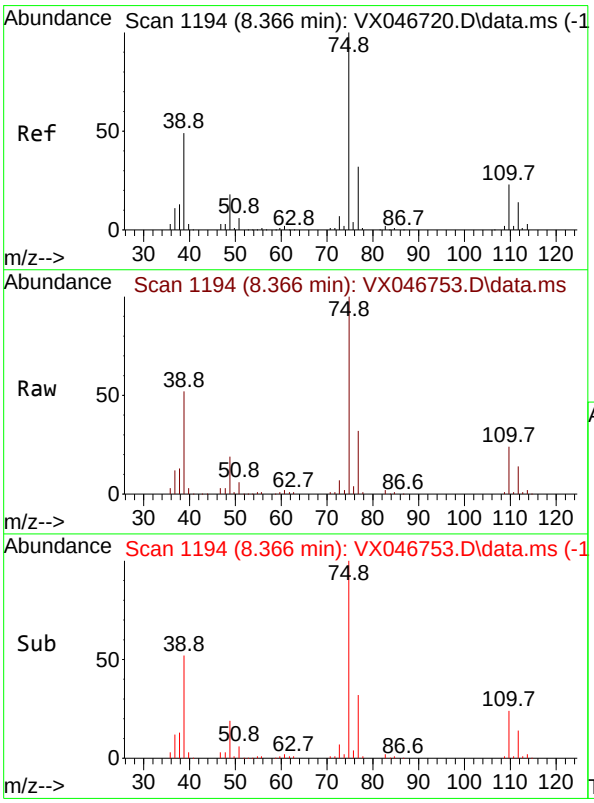

#53
t-1,3-Dichloropropene
Concen: 46.544 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 75 Resp: 106926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.6 | 38.4 |

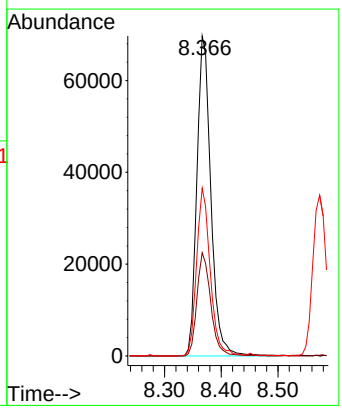


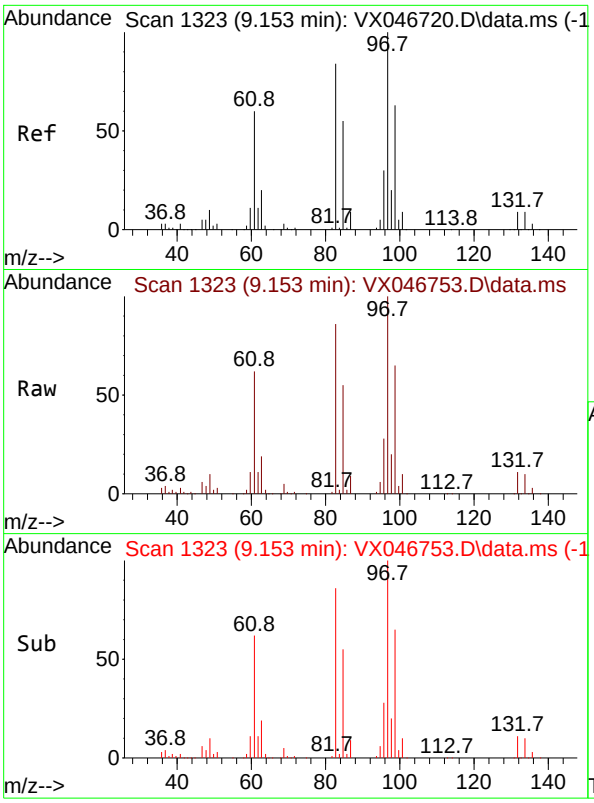




#54
cis-1,3-Dichloropropene
Concen: 45.847 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 119567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.3 | 37.9 |
| 39 | 51.8 | 39.2 | 58.8 |



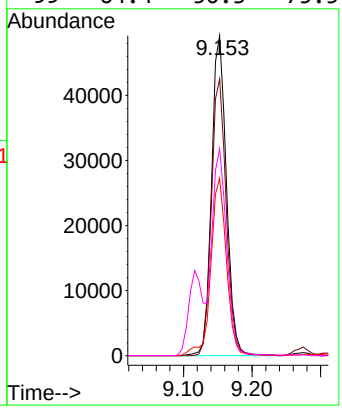


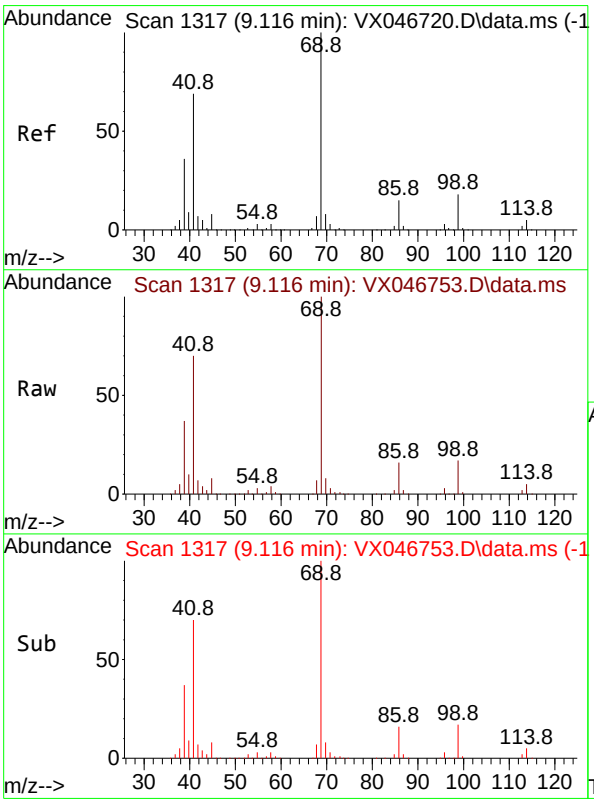

#55
1,1,2-Trichloroethane
Concen: 47.065 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 97 Resp: 74068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.5 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 64.4 | 50.3 | 75.5 |

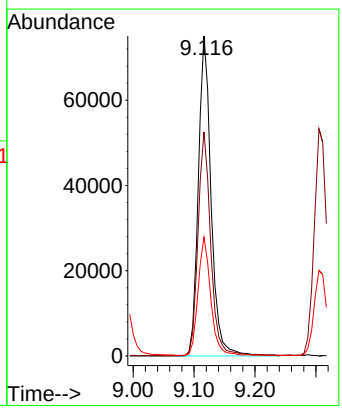


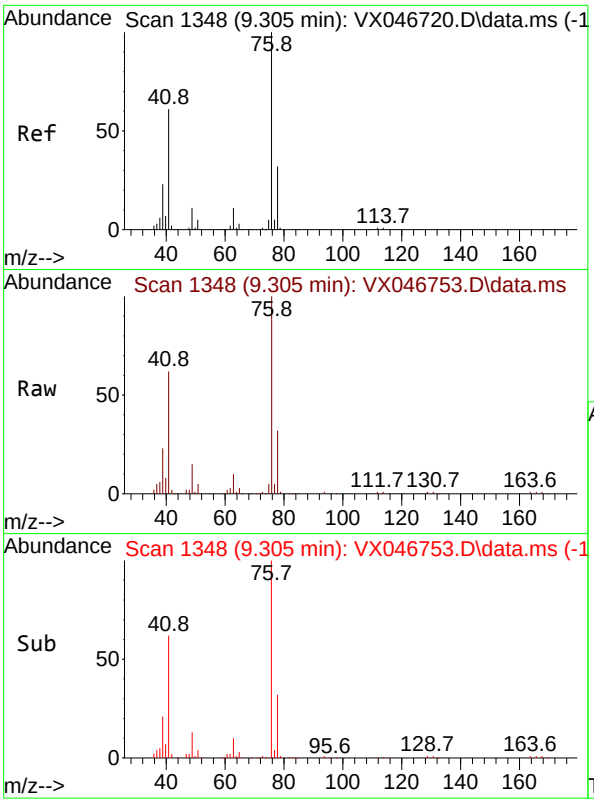




#56
Ethyl methacrylate
Concen: 47.221 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 69 Resp: 109702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.1 | 29.7 | 44.5 |



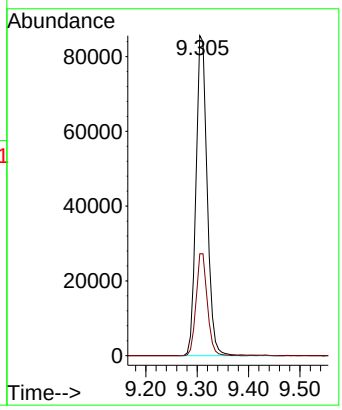


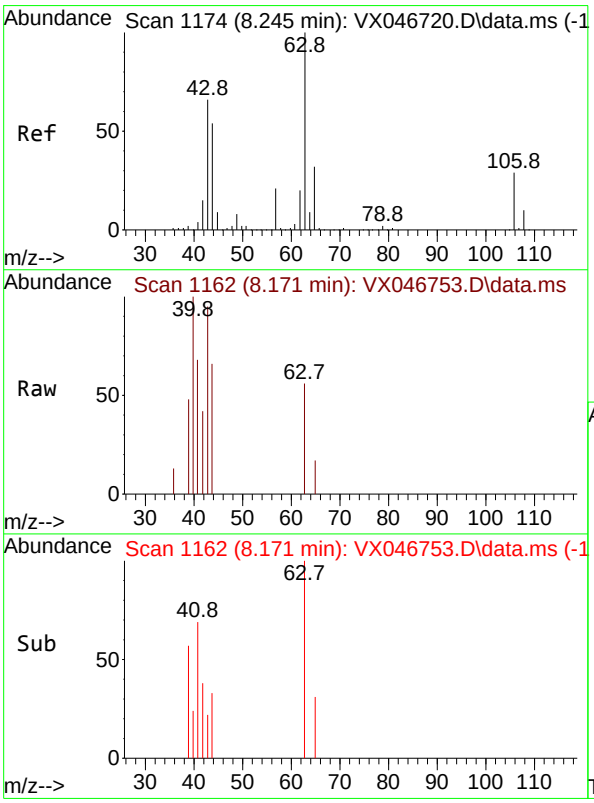

#57
1,3-Dichloropropane
Concen: 47.775 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 76 Resp: 129477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |

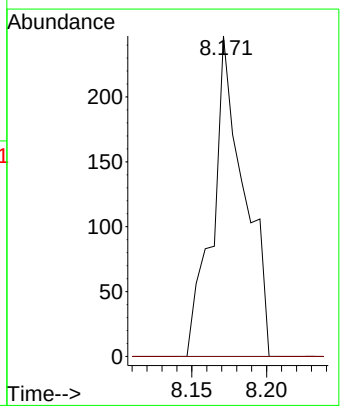


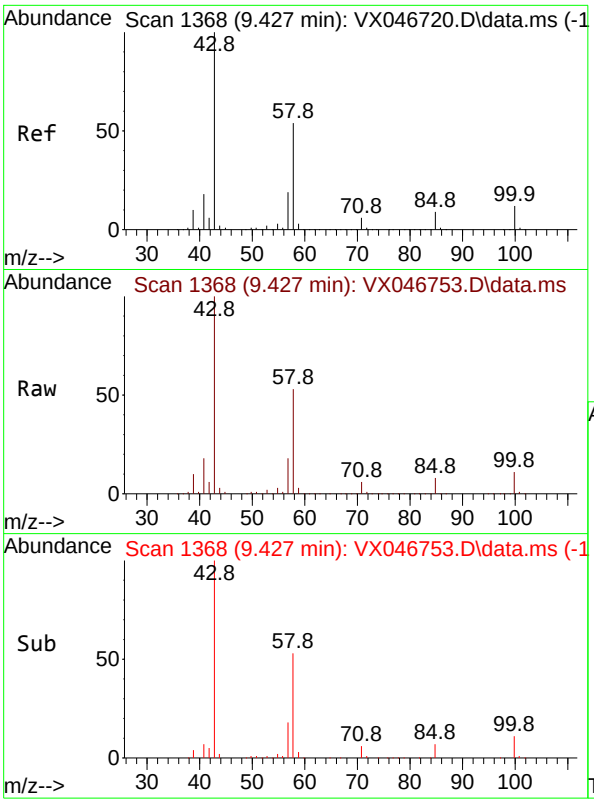




#58
2-Chloroethyl Vinyl ether
Concen: 0.299 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.073 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 63 Resp: 361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.6 | 34.0# |



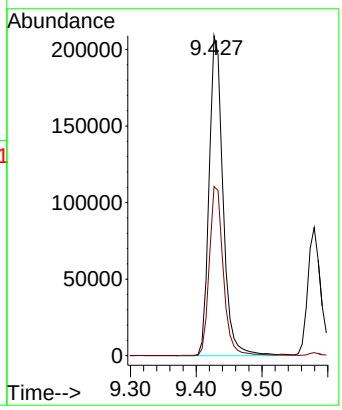


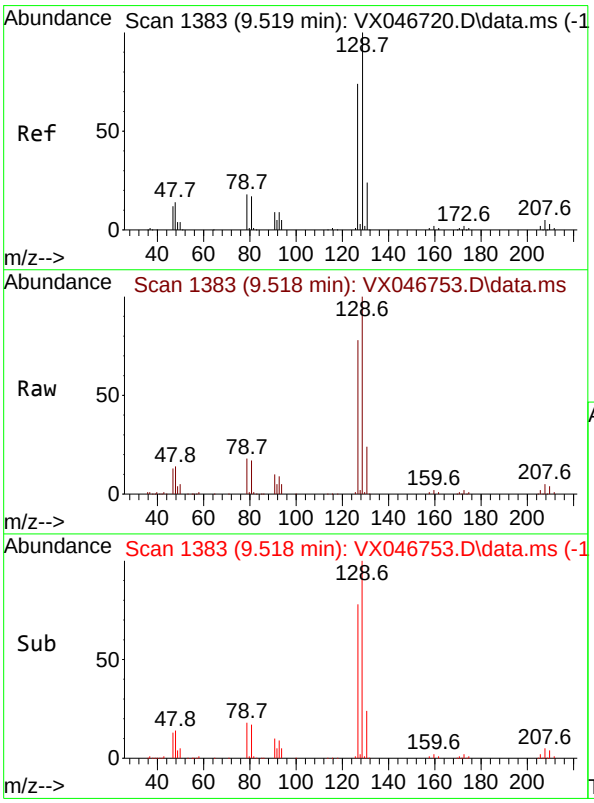

#59
2-Hexanone
Concen: 224.056 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 43 Resp: 307148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.8 | 80.4 |

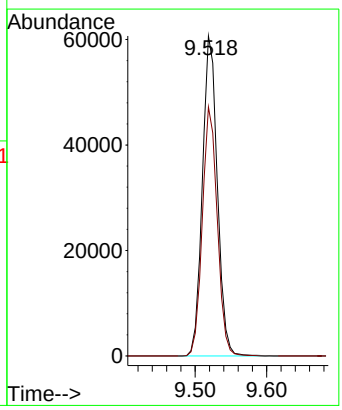


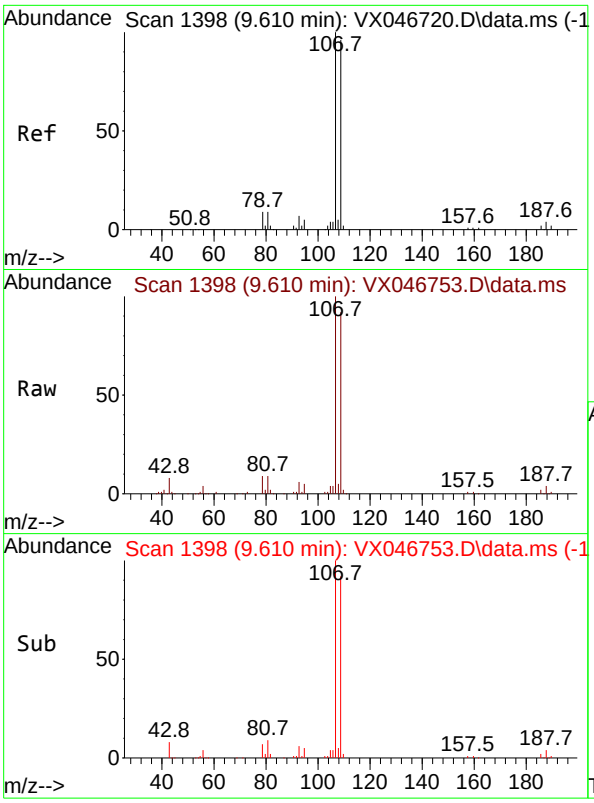




#60
Dibromochloromethane
Concen: 47.473 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:129 Resp: 88044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |



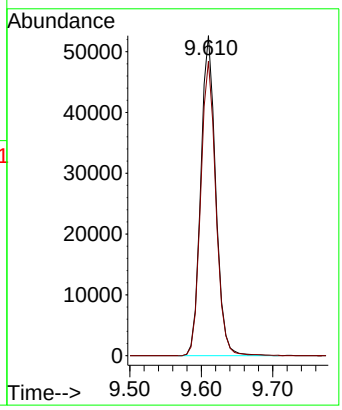


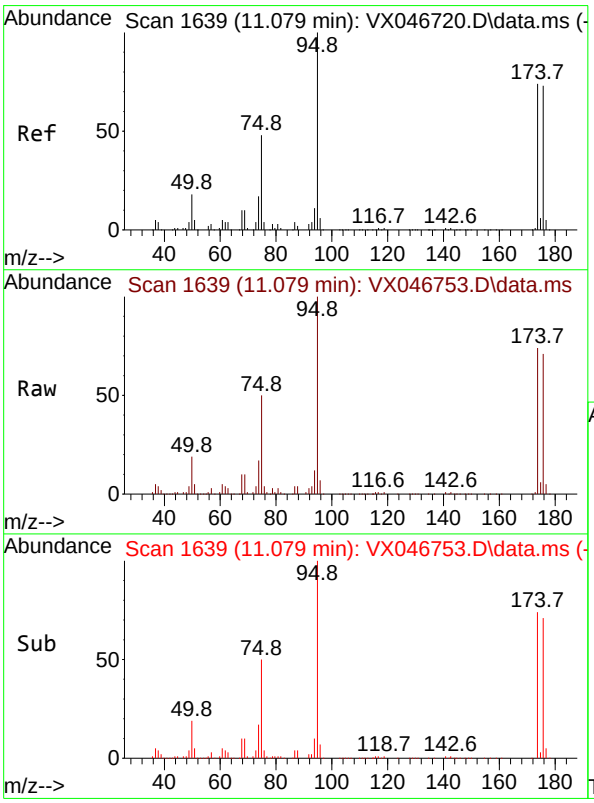

#61
1,2-Dibromoethane
Concen: 47.618 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:107 Resp: 76228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 75.8 | 113.6 |

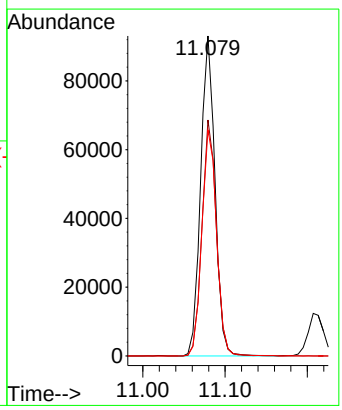


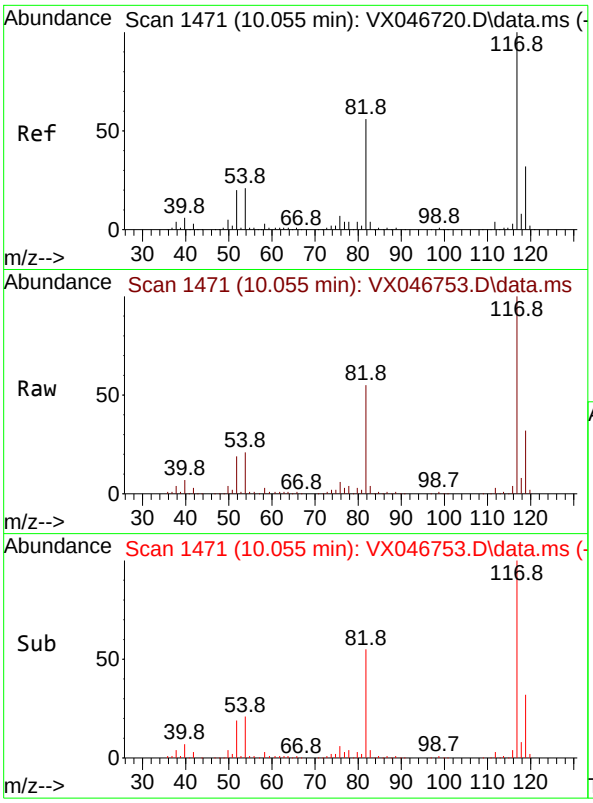




#62
4-Bromofluorobenzene
Concen: 52.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 95 Resp: 112496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 150.4 |
| 176 | 72.8 | 0.0 | 145.0 |



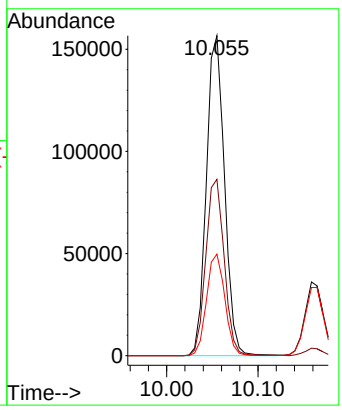


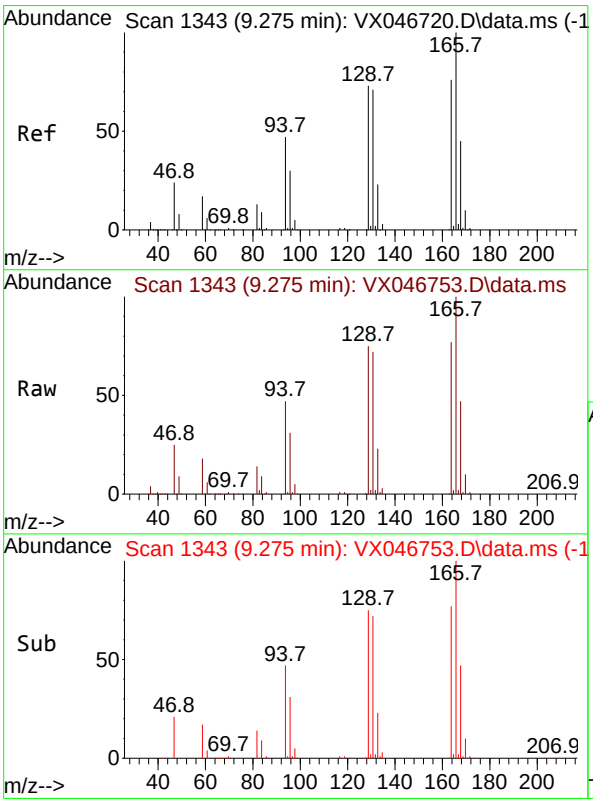

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:117 Resp: 215546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.6 | 66.8 |
| 119 | 31.8 | 25.8 | 38.8 |

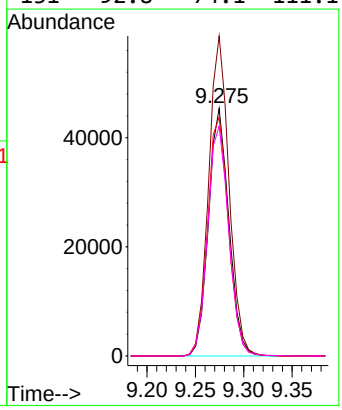


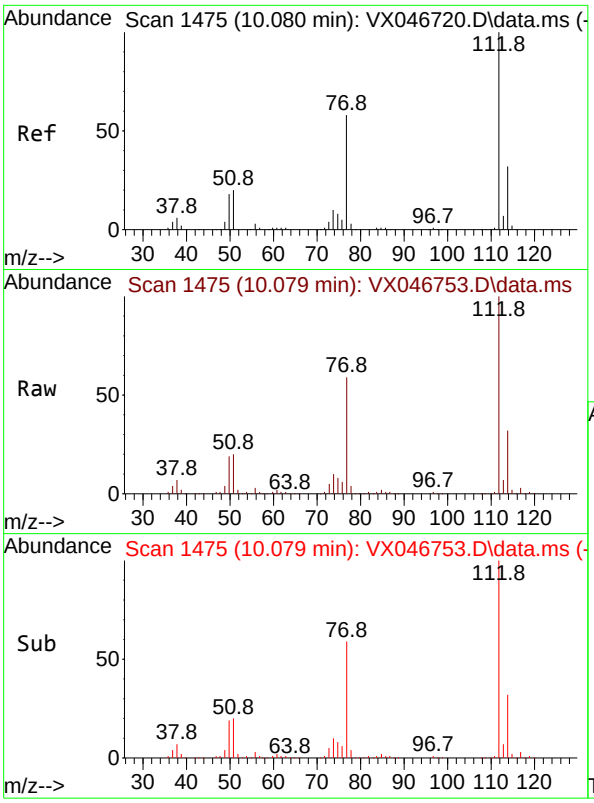




#64
Tetrachloroethene
Concen: 44.627 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:164 Resp: 66644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.3 | 104.6 | 157.0 |
| 129 | 96.4 | 76.3 | 114.5 |
| 131 | 92.8 | 74.1 | 111.1 |



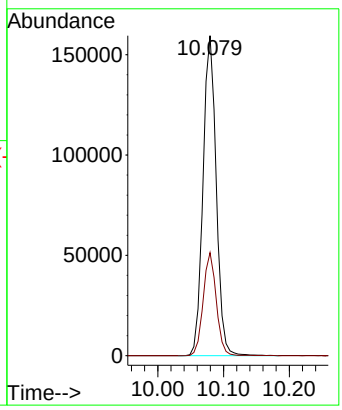


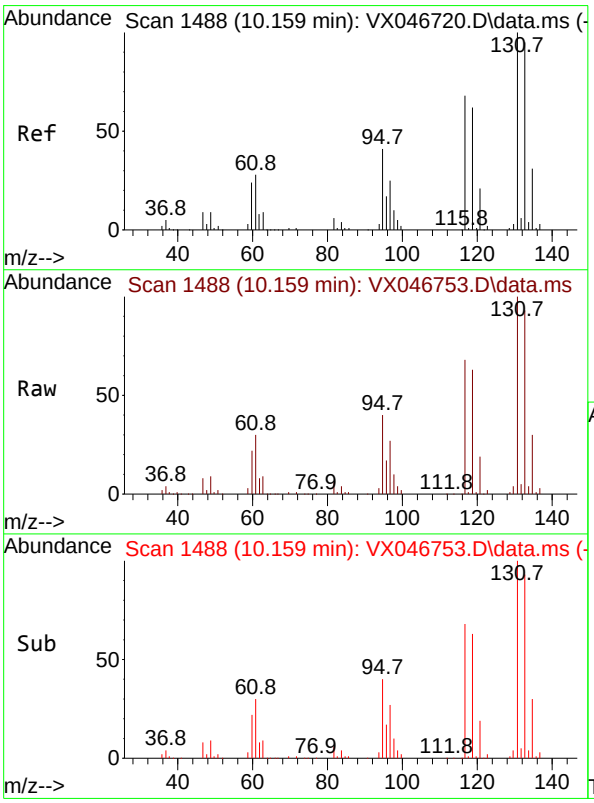

#65
Chlorobenzene
Concen: 46.808 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:112 Resp: 222717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 25.5 | 38.3 |

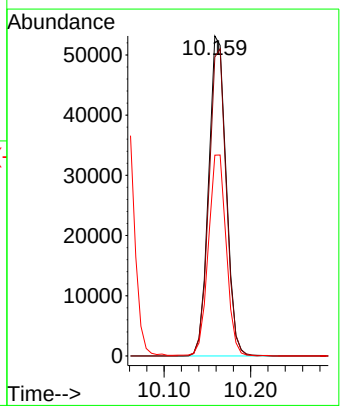


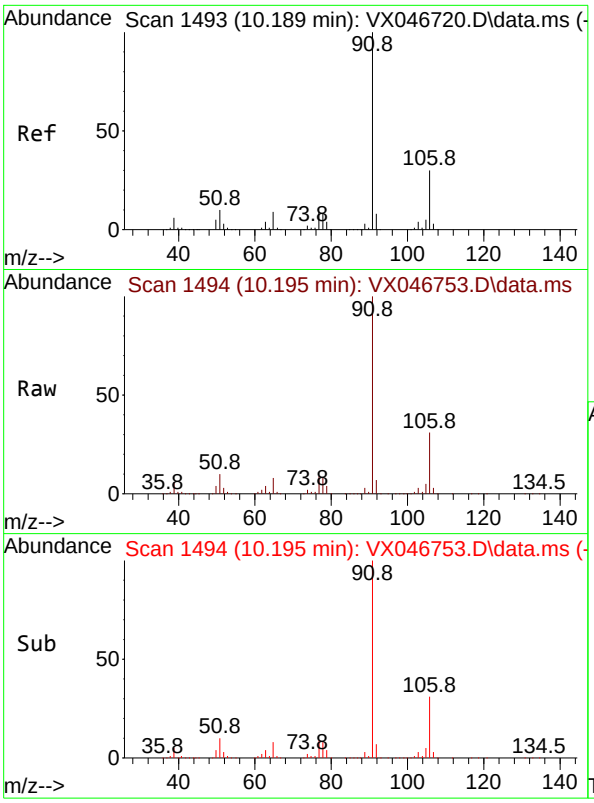




#66
1,1,1,2-Tetrachloroethane
Concen: 46.814 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:131 Resp: 74860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 141.8 |
| 119 | 64.0 | 32.1 | 96.3 |



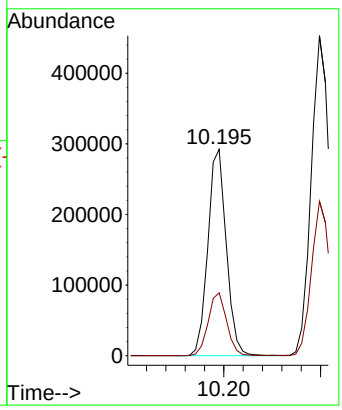


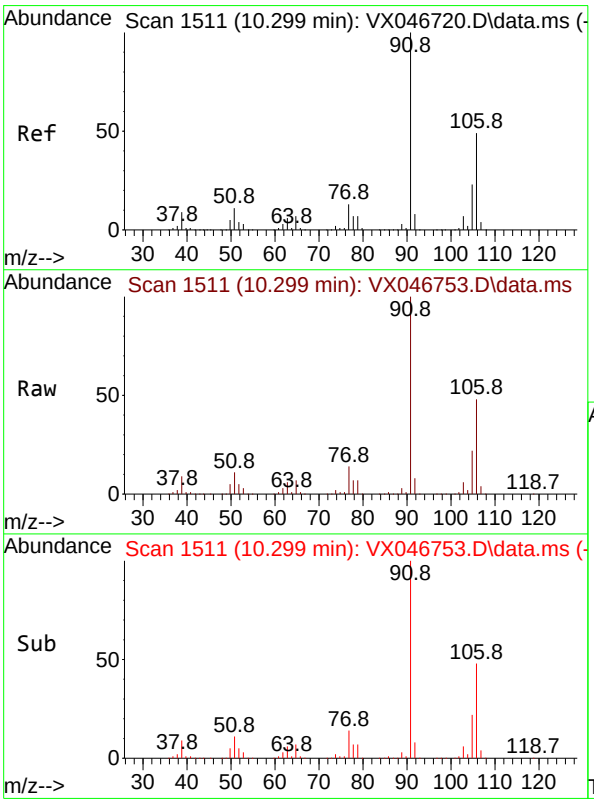

#67
Ethyl Benzene
Concen: 46.592 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 91 Resp: 387344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |

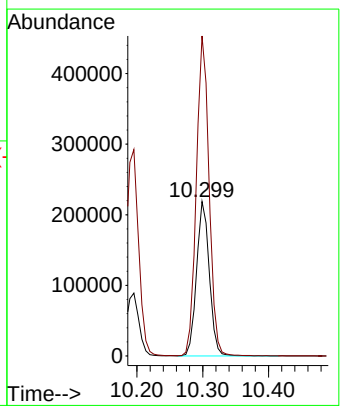


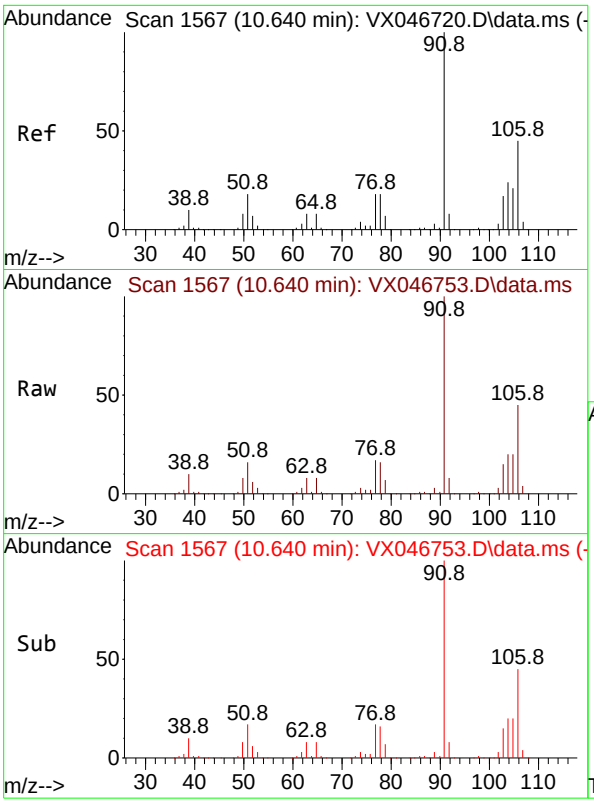




#68
m/p-Xylenes
Concen: 94.996 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:106 Resp: 294272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 164.8 | 247.2 |



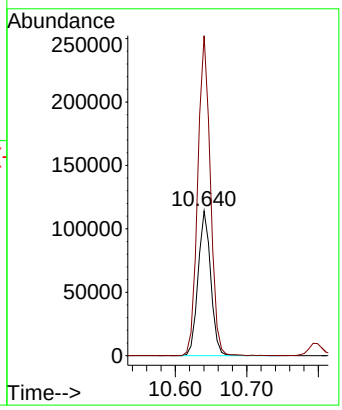


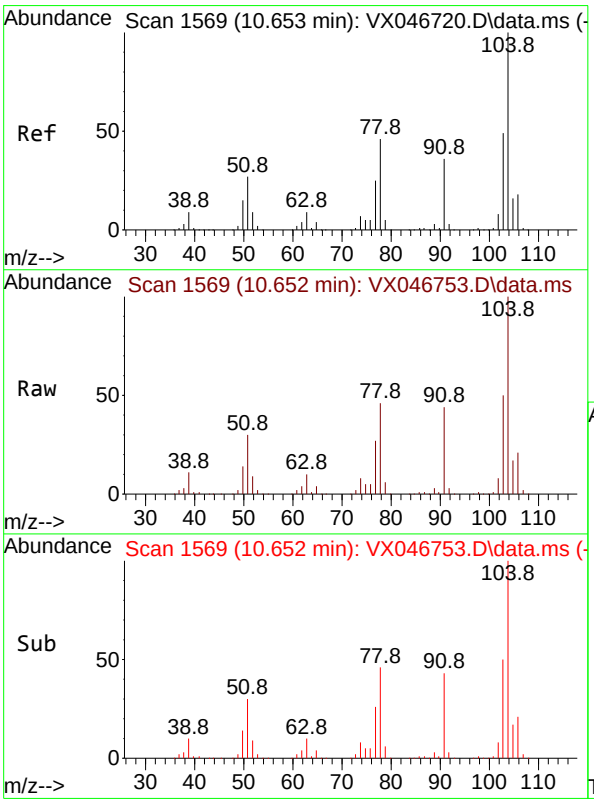

#69
o-Xylene
Concen: 48.237 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:106 Resp: 140037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 111.3 | 333.9 |

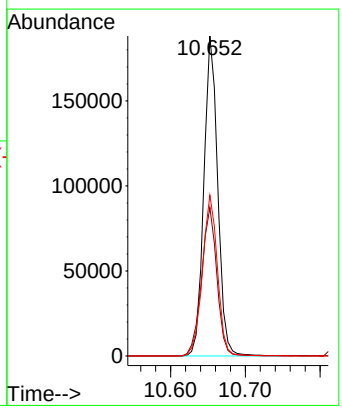


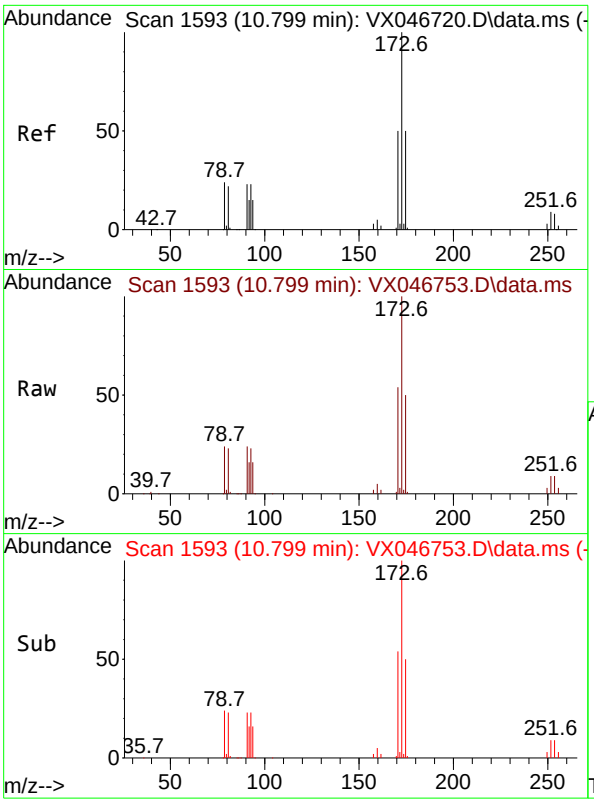




#70
Styrene
Concen: 47.694 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:104 Resp: 242311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.4 | 41.4 | 62.2 |
| 103 | 54.5 | 43.1 | 64.7 |



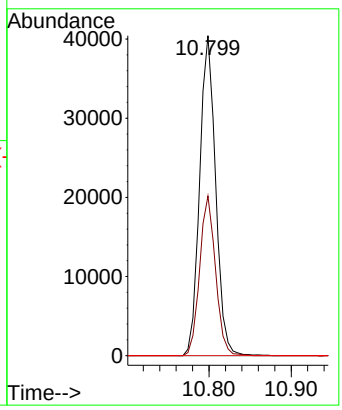


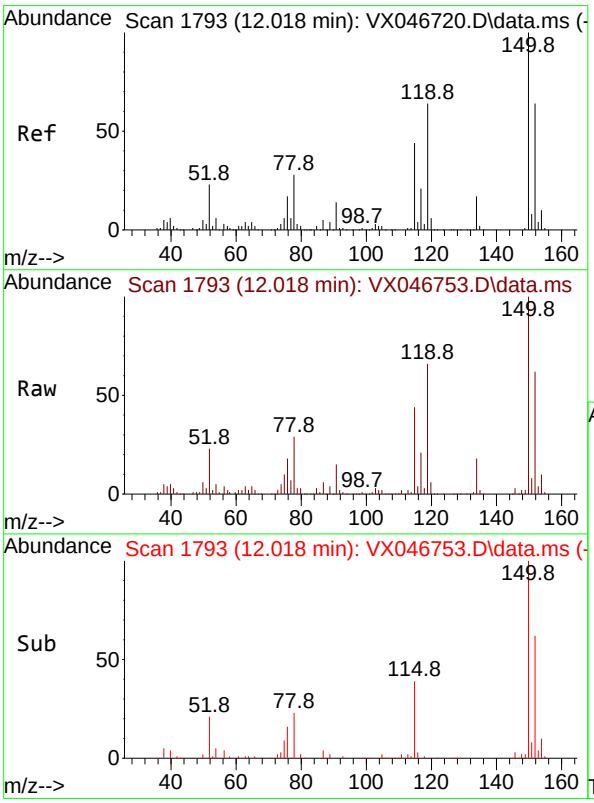

#71
Bromoform
Concen: 44.776 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:173 Resp: 54530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

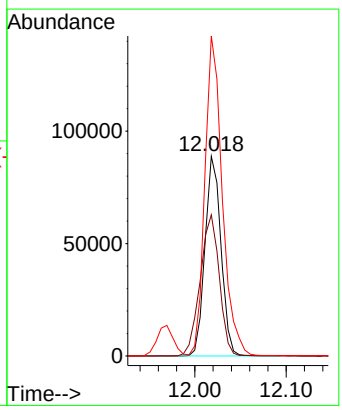


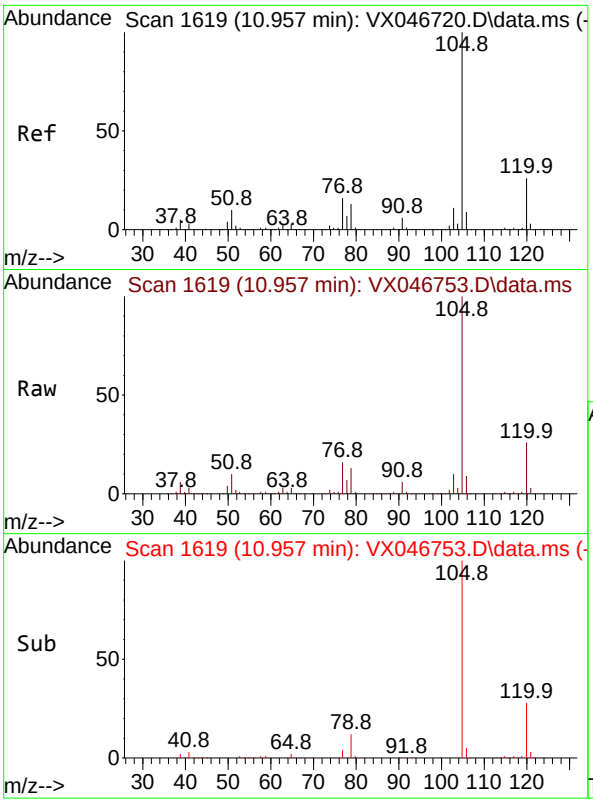




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:152 Resp: 107663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.6 | 43.2 | 129.6 |
| 150 | 174.0 | 0.0 | 346.8 |



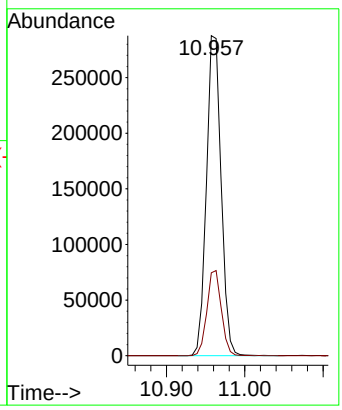


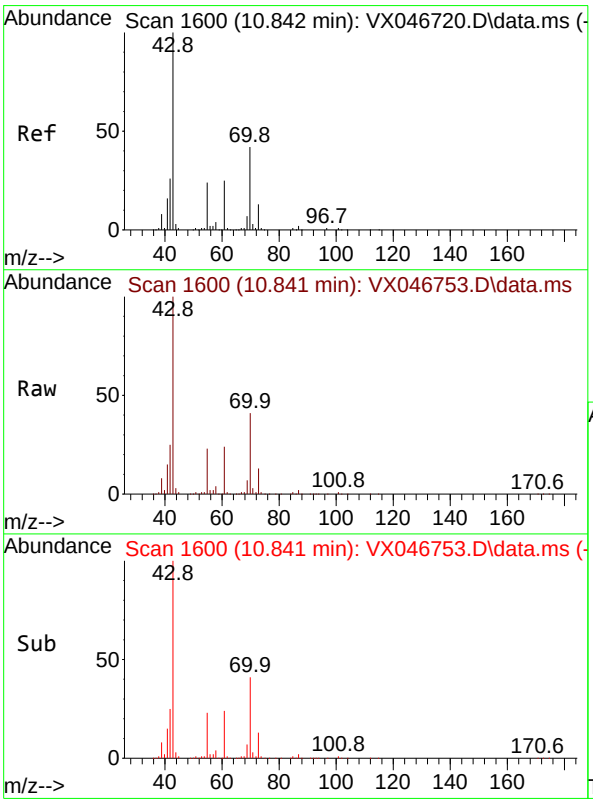

#73
Isopropylbenzene
Concen: 47.134 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:105 Resp: 373743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 13.0 | 39.0 |

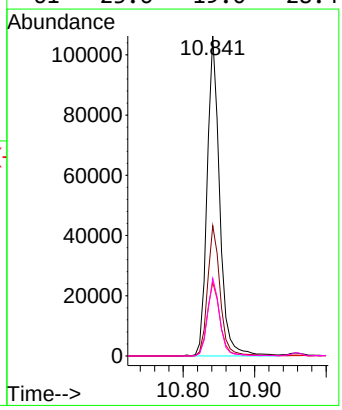


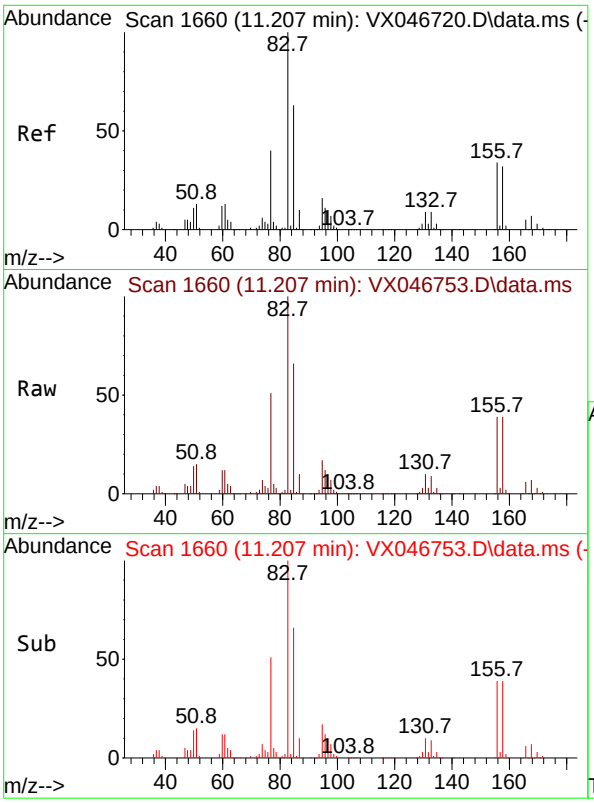




#74
N-amyl acetate
Concen: 43.017 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 43 Resp: 129233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 33.4 | 50.0 |
| 55 | 23.8 | 19.1 | 28.7 |
| 61 | 23.6 | 19.0 | 28.4 |



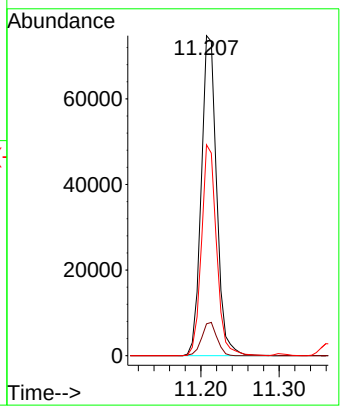


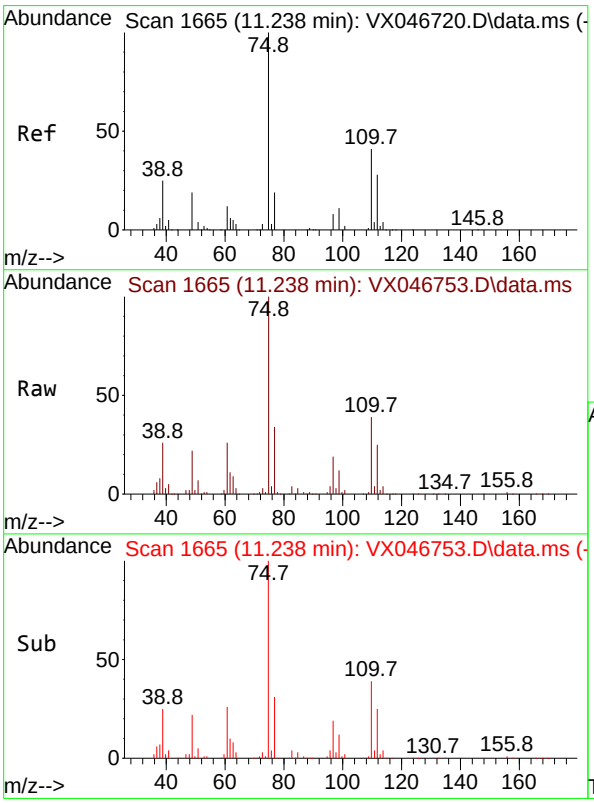

#75
1,1,2,2-Tetrachloroethane
Concen: 45.835 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 83 Resp: 101482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.9 | 14.6 |
| 85 | 64.9 | 32.0 | 96.0 |

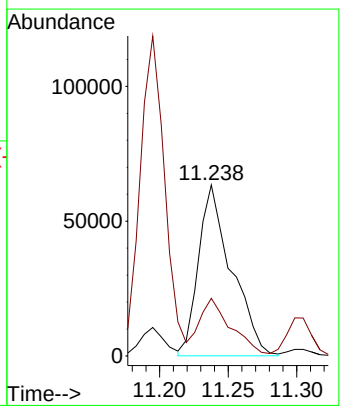


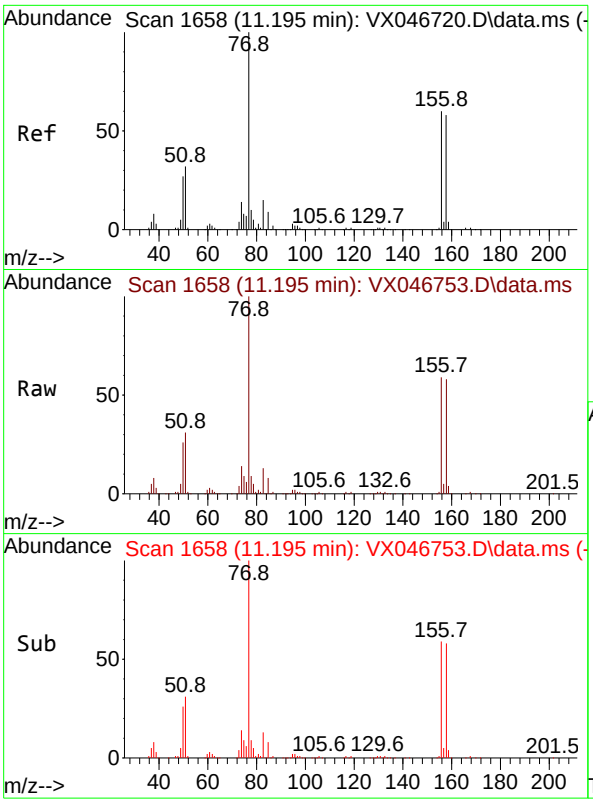




#76
1,2,3-Trichloropropane
Concen: 53.968 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 106418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 18.5 | 55.5 |



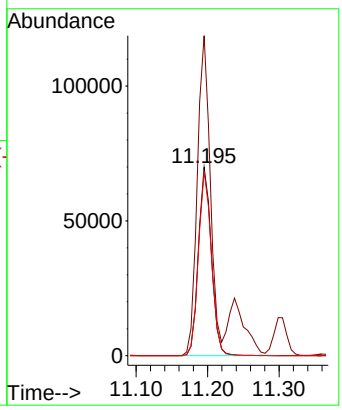


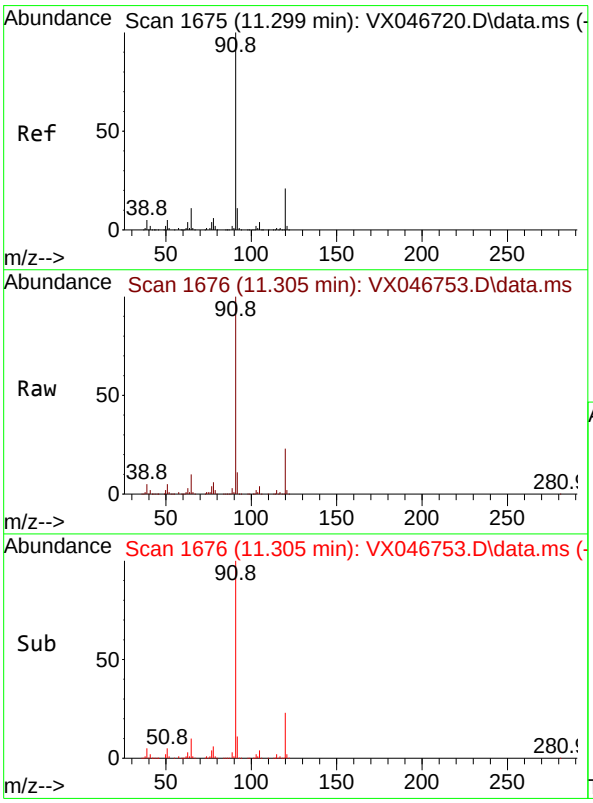

#77
Bromobenzene
Concen: 46.262 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:156 Resp: 88274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.3 | 82.8 | 248.6 |
| 158 | 97.5 | 47.6 | 142.9 |

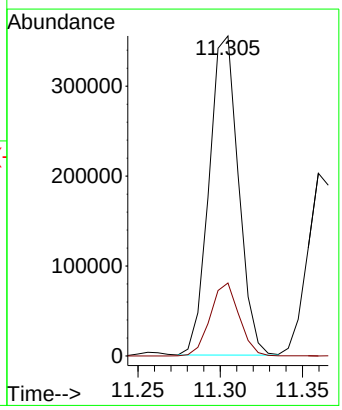


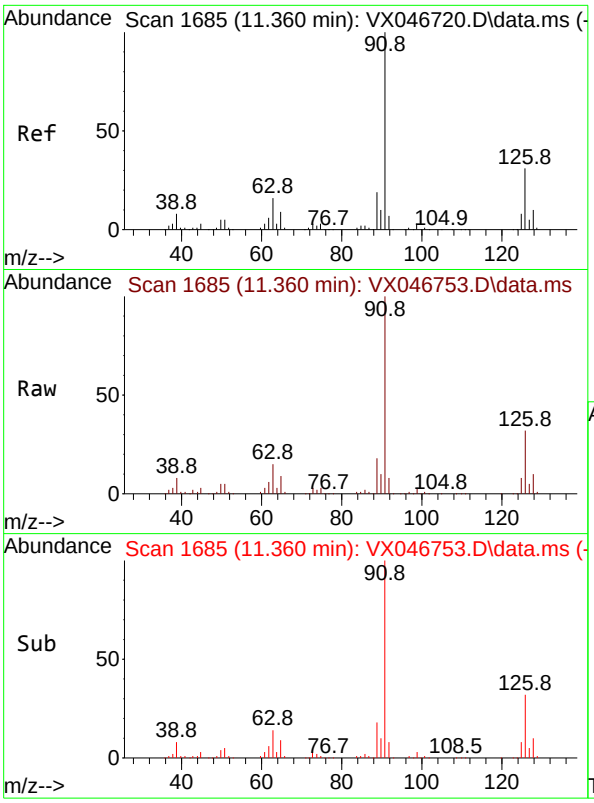




#78
n-propylbenzene
Concen: 46.845 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 441193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |



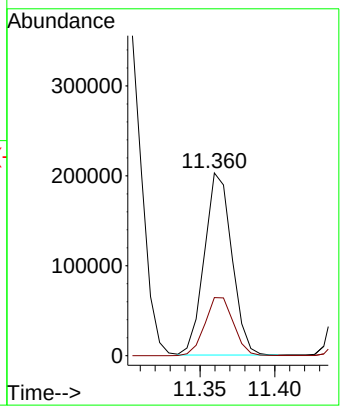


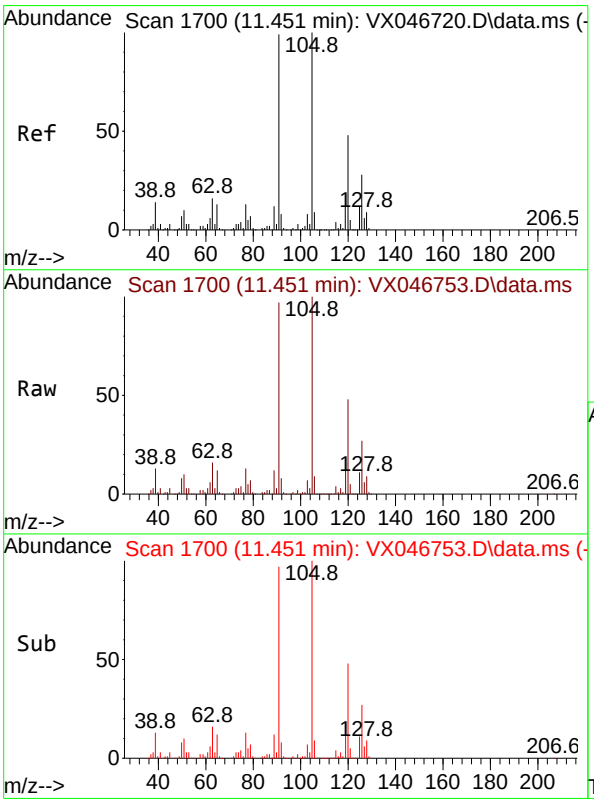

#79
2-Chlorotoluene
Concen: 46.077 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 91 Resp: 259099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.7 |

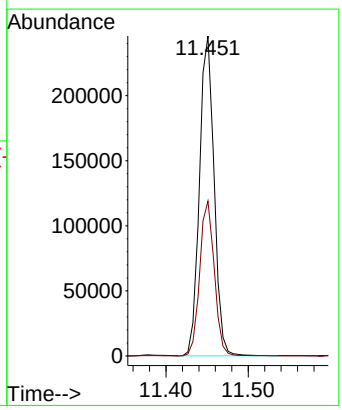


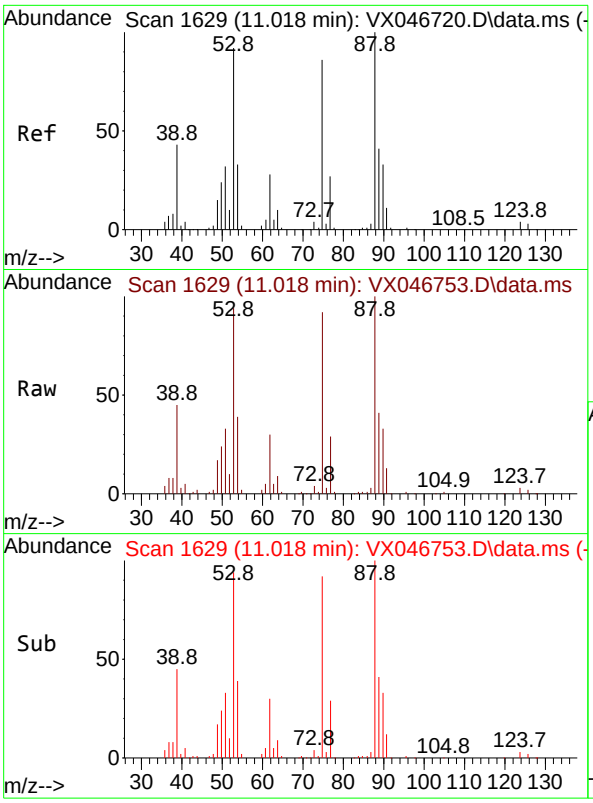




#80
1,3,5-Trimethylbenzene
Concen: 46.723 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 304450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.1 | 72.2 |



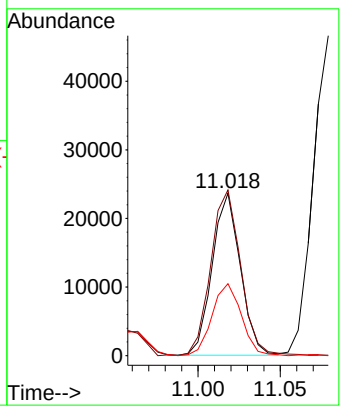


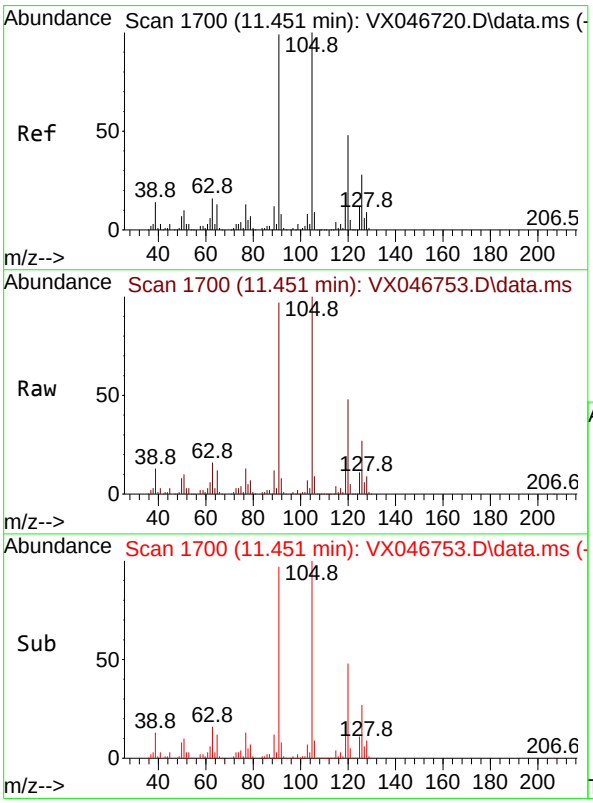

#81
trans-1,4-Dichloro-2-butene
Concen: 40.319 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 75 Resp: 28127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.0 | 86.8 | 130.2 |
| 89 | 46.3 | 36.9 | 55.3 |

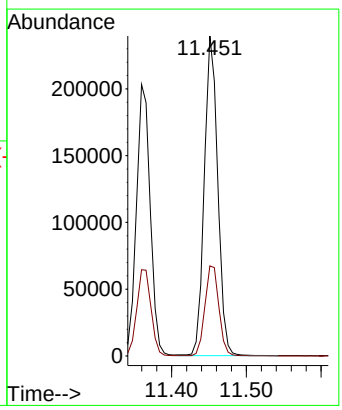


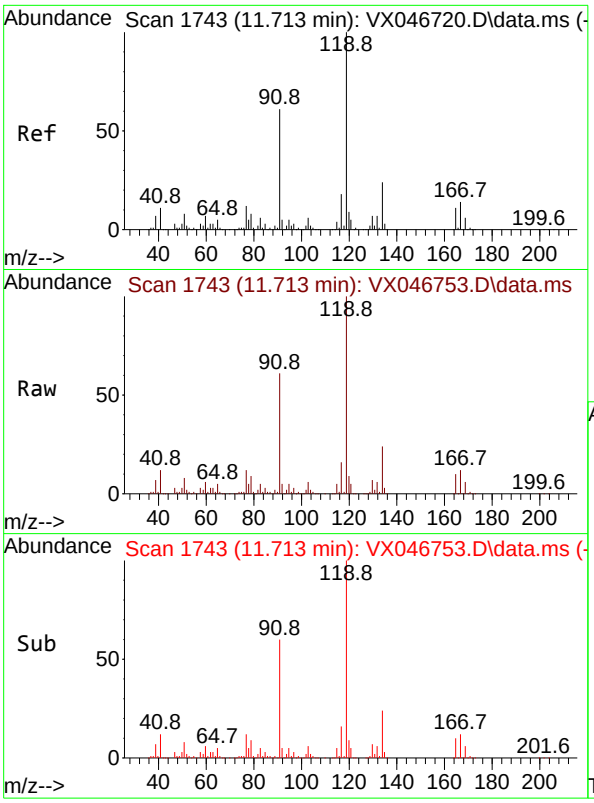




#82
4-Chlorotoluene
Concen: 45.488 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 91 Resp: 298520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.4 | 43.2 |



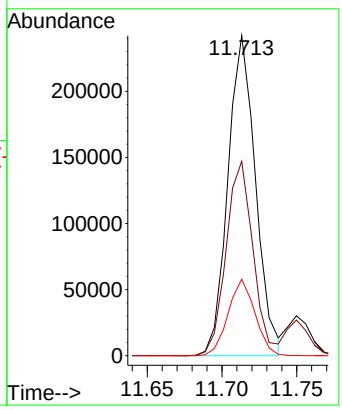


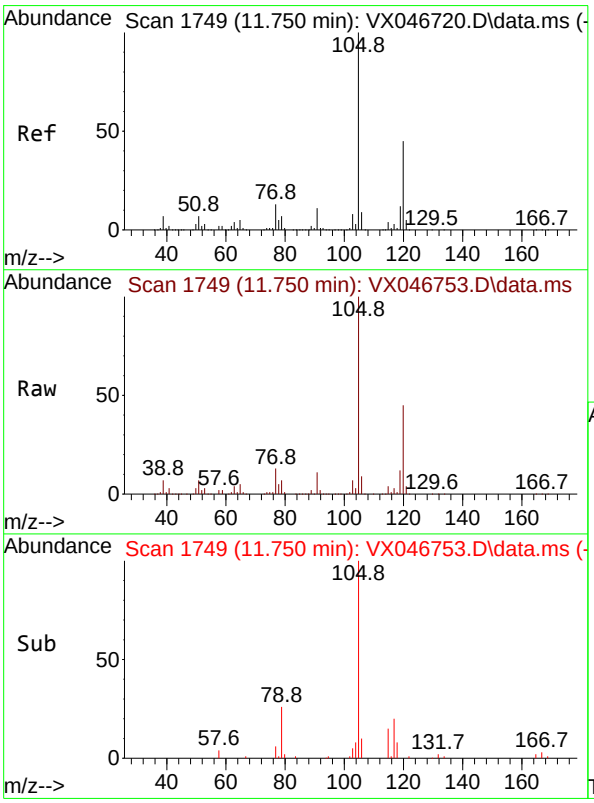

#83
tert-Butylbenzene
Concen: 46.294 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:119 Resp: 311816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.4 | 29.5 | 88.6 |
| 134 | 23.2 | 11.7 | 35.0 |

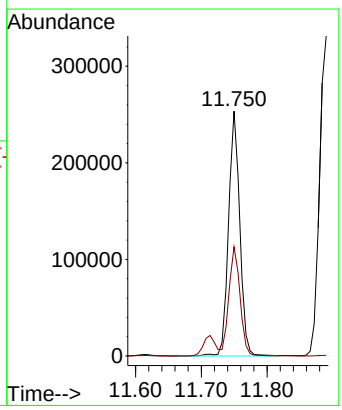


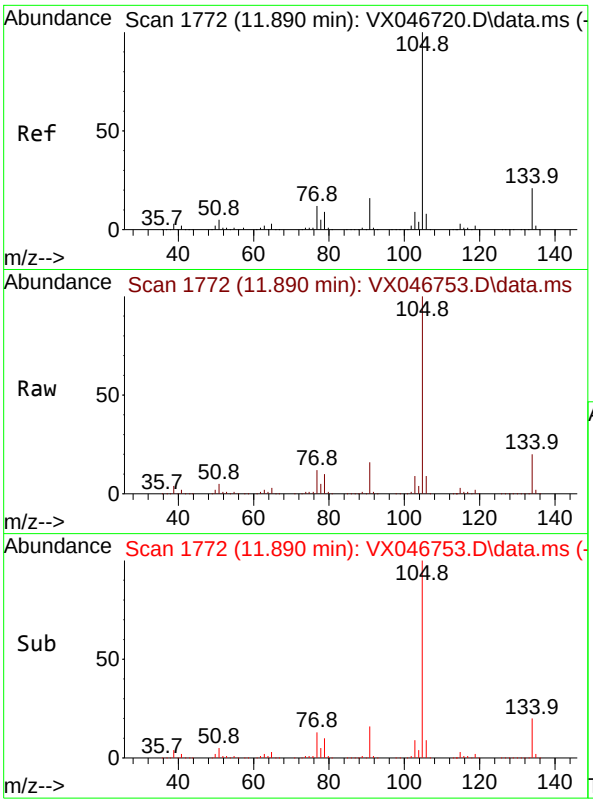




#84
1,2,4-Trimethylbenzene
Concen: 45.969 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:105 Resp: 300943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.3 |



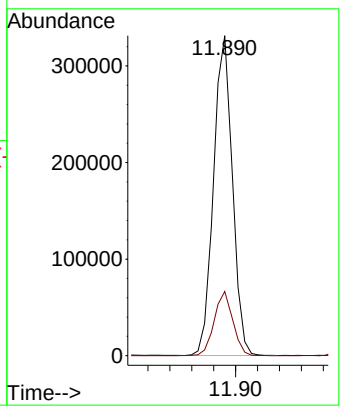


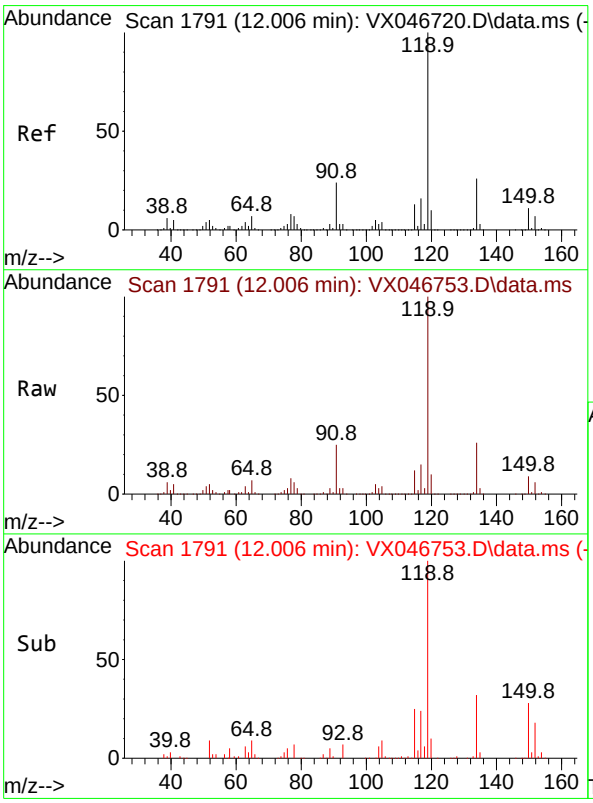

#85
sec-Butylbenzene
Concen: 46.478 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:105 Resp: 395643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

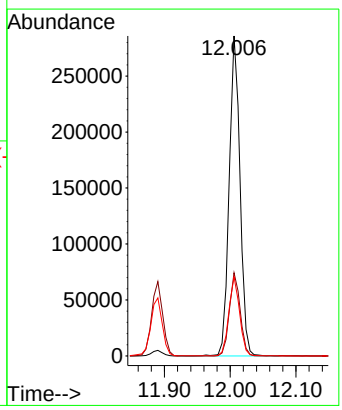


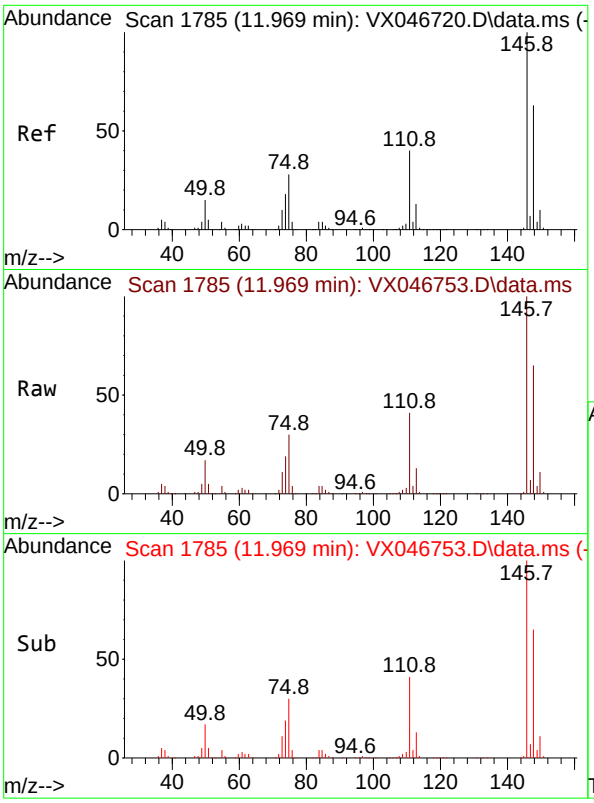




#86
p-Isopropyltoluene
Concen: 45.563 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:119 Resp: 327245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.7 |
| 91 | 24.6 | 12.3 | 36.9 |



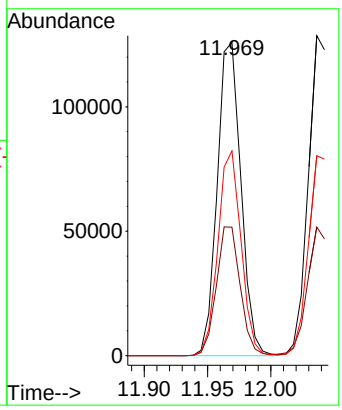


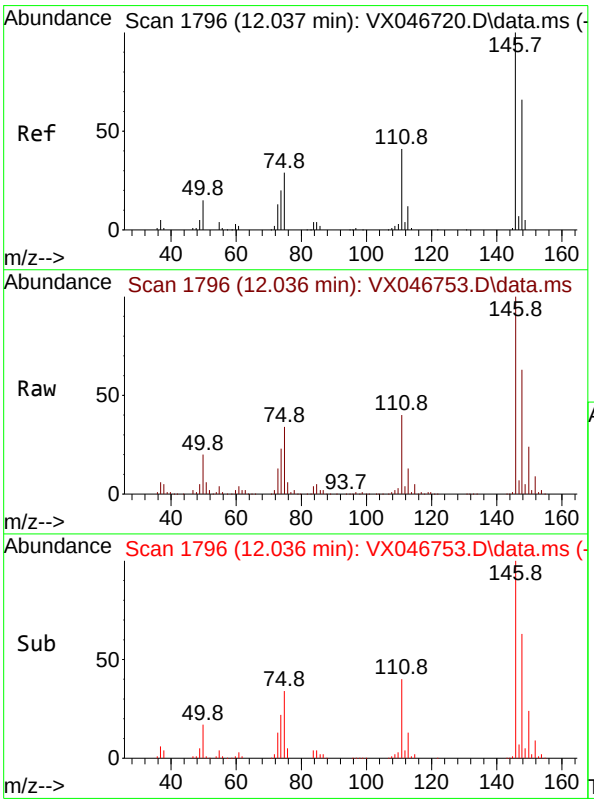

#87
1,3-Dichlorobenzene
Concen: 44.104 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:146 Resp: 164088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 63.7 | 31.6 | 94.8 |

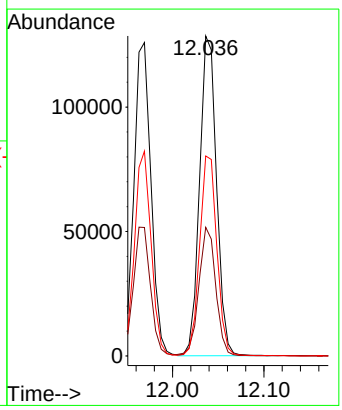


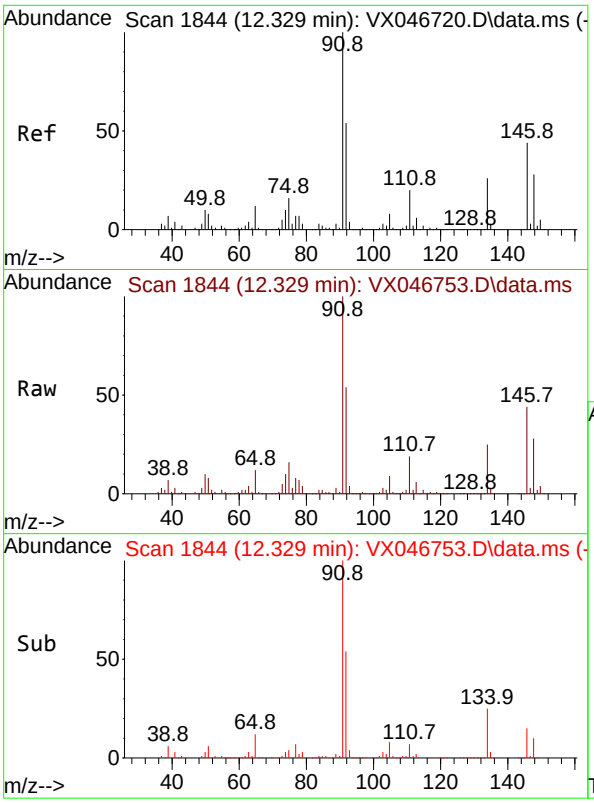




#88
1,4-Dichlorobenzene
Concen: 43.216 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:146 Resp: 165148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.3 | 61.0 |
| 148 | 63.6 | 32.1 | 96.5 |



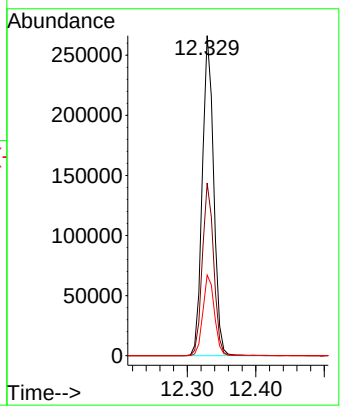


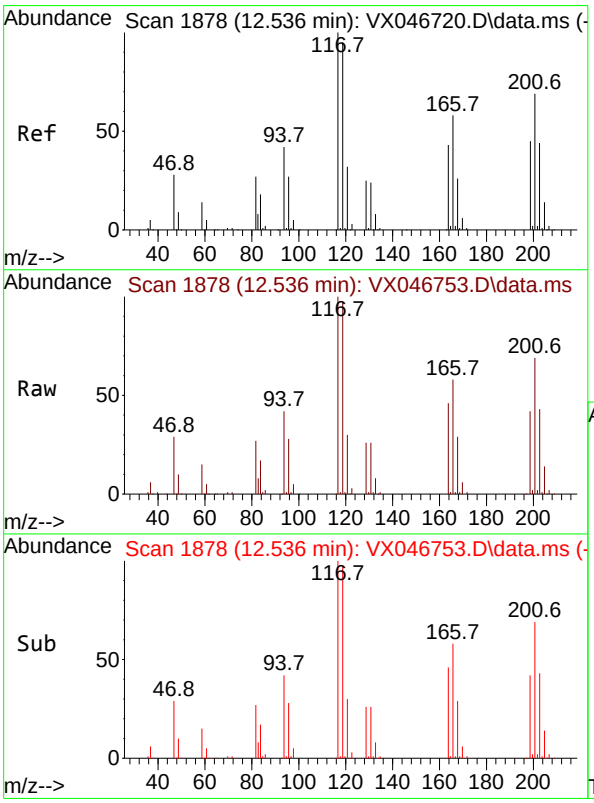

#89
n-Butylbenzene
Concen: 45.200 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion: 91 Resp: 308237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.1 | 81.3 |
| 134 | 25.5 | 12.9 | 38.6 |

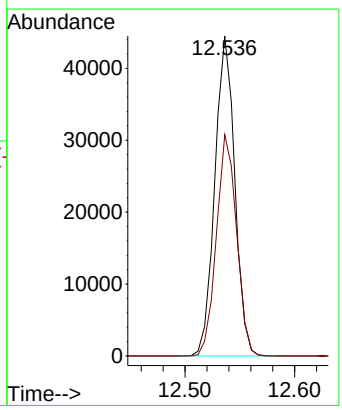


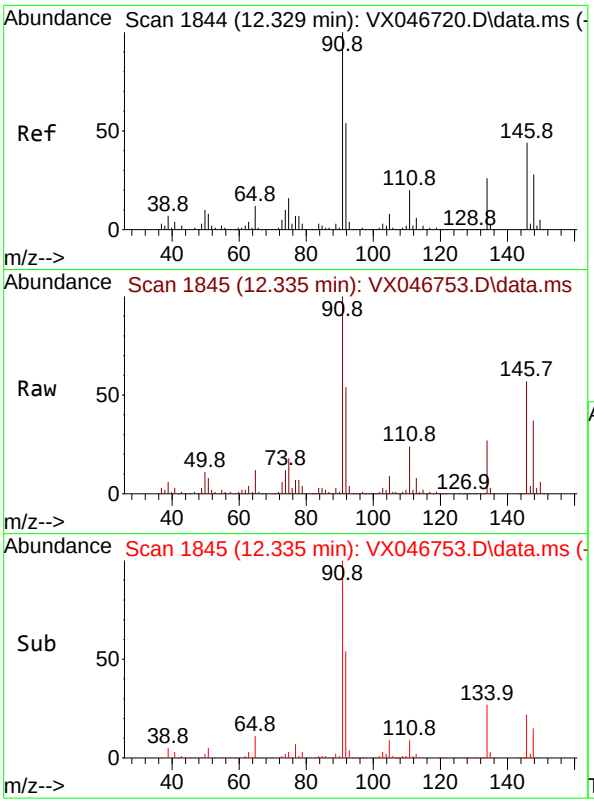




#90
Hexachloroethane
Concen: 44.731 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:117 Resp: 56259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.1 | 34.4 | 103.3 |



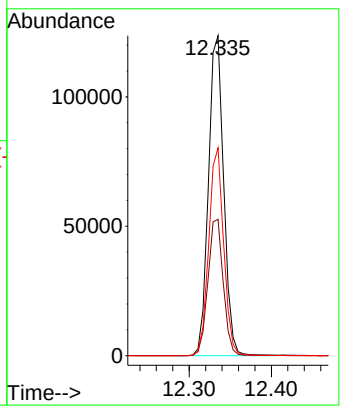


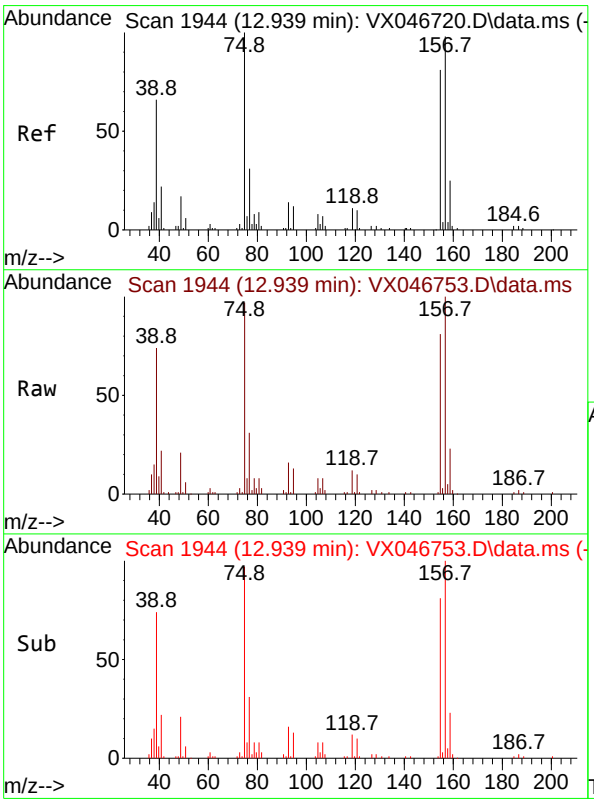

#91
1,2-Dichlorobenzene
Concen: 45.747 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:146 Resp: 159052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.7 | 65.1 |
| 148 | 63.6 | 32.0 | 96.2 |

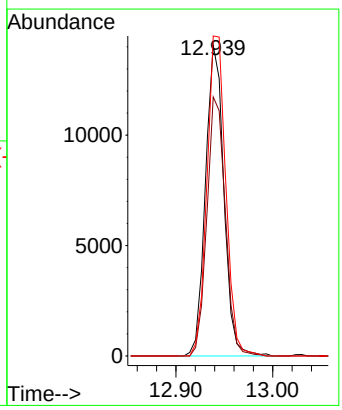


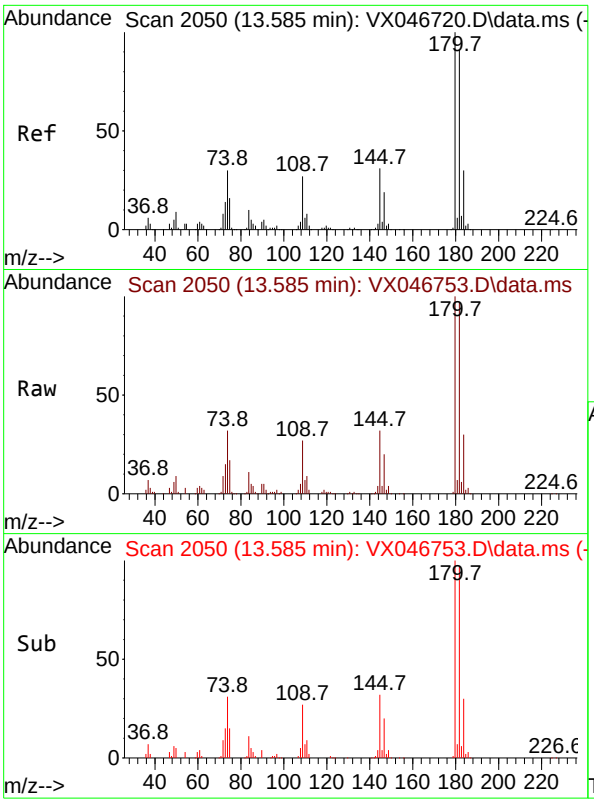




#92
1,2-Dibromo-3-Chloropropane
Concen: 42.584 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion: 75 Resp: 18614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 83.4 | 41.9 | 125.7 |
| 157 | 105.8 | 51.4 | 154.3 |



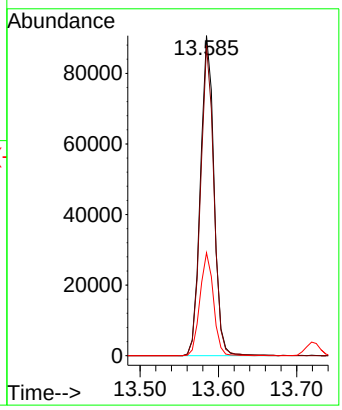


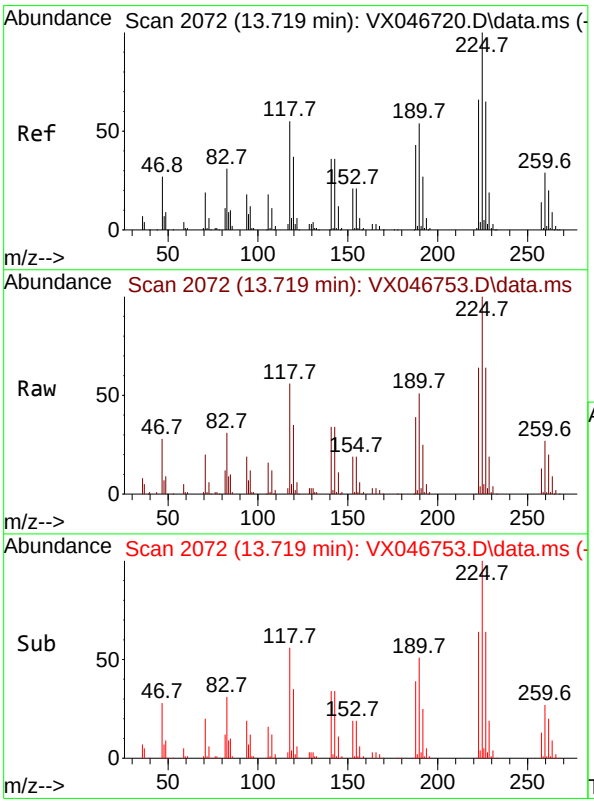

#93
1,2,4-Trichlorobenzene
Concen: 43.840 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:180 Resp: 108363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.7 | 140.1 |
| 145 | 32.1 | 15.8 | 47.4 |

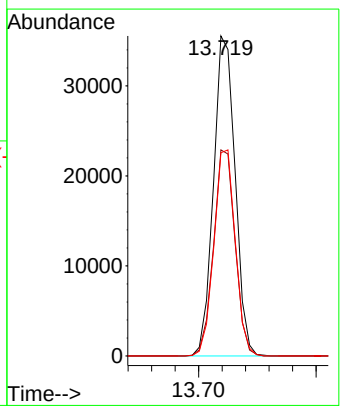


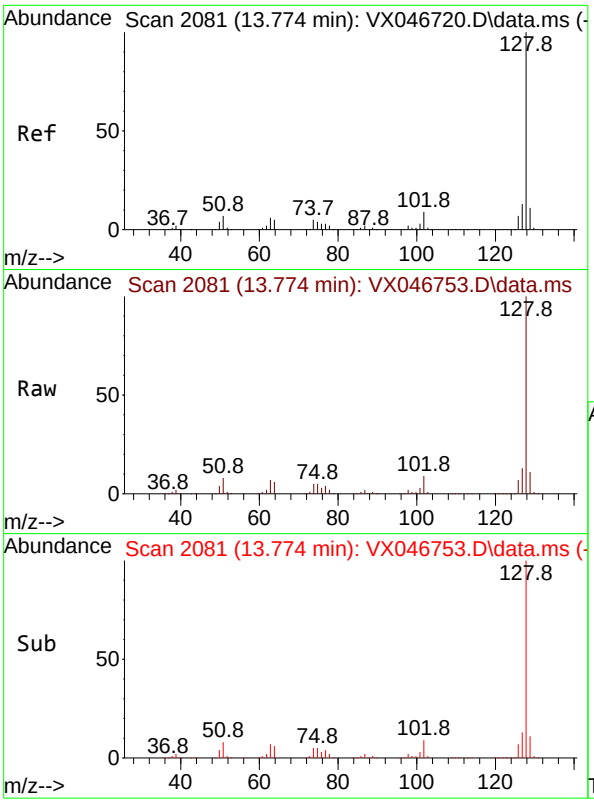




#94
Hexachlorobutadiene
Concen: 43.717 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:225 Resp: 45456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 32.5 | 97.5 |
| 227 | 63.7 | 32.2 | 96.6 |



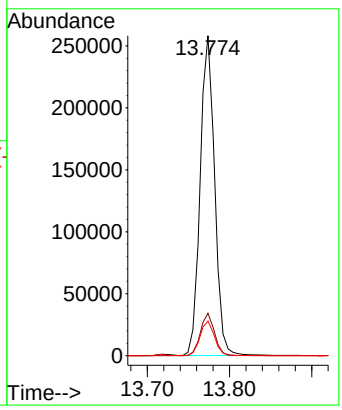


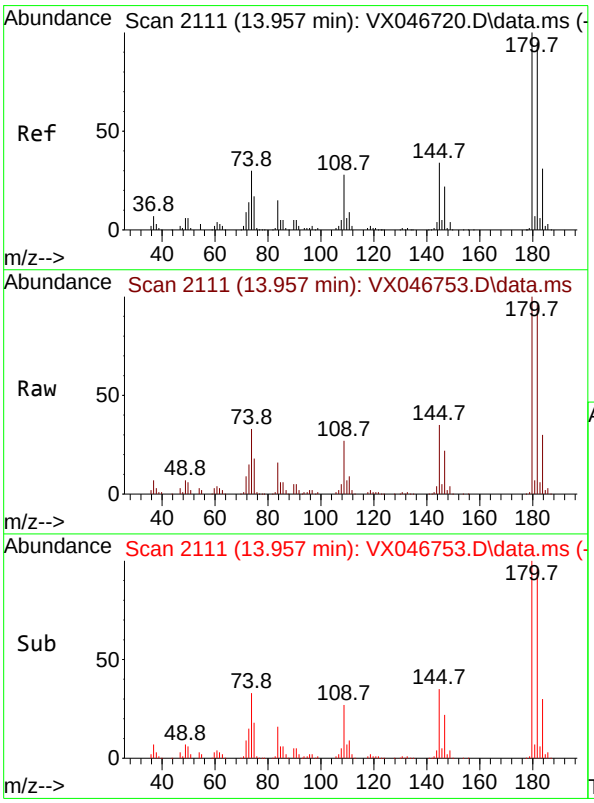

#95
Naphthalene
Concen: 44.859 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MS

Tgt Ion:128 Resp: 315902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |

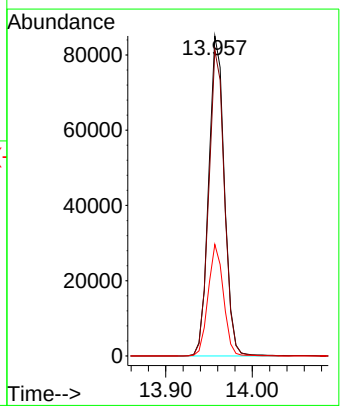



#96
1,2,3-Trichlorobenzene
Concen: 45.185 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046753.D
Acq: 18 Jun 2025 18:58

Tgt Ion:180 Resp: 106849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.8 | 143.4 |
| 145 | 34.1 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 136146 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 229178 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 208450 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 102802 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 94570 | 50.219 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.440% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 77727 | 51.260 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.520% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 279885 | 51.376 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 106632 | 52.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 71499 | 49.190 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 75717 | 48.261 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 82735 | 49.452 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 51332 | 54.534 | ug/l | 98 |
| 6) Chloroethane | 1.703 | 64 | 51273 | 50.564 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 121673 | 47.896 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 43167 | 49.514 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 73891 | 47.413 | ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 91117 | 46.992 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 31958 | 189.076 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 74340 | 49.435 | ug/l | 98 |
| 13) Acrolein | 2.246 | 56 | 49290 | 200.209 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 129854 | 47.659 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 177351 | 233.349 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 130426 | 207.691 | ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 207359 | 45.662 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 68754 | 43.107 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 218922 | 46.754 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 81126 | 46.453 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 76658 | 47.641 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 262340 | 50.093 | ug/l | 96 |
| 23) Vinyl Acetate | 3.733 | 43 | 965332 | 231.797 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 144398 | 48.562 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 200792 | 226.078 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 90561 | 41.759 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 92038 | 48.686 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 75253 | 55.824 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 130955 | 228.277 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 148146 | 49.820 | ug/l | 95 |
| 31) Cyclohexane | 5.483 | 56 | 133192 | 47.234 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 126773 | 48.610 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 104116 | 47.566 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 84018 | 41.584 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111625 | 46.991 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 133155 | 46.228 | ug/l | 97 |
| 40) Benzene | 6.050 | 78 | 314925 | 48.615 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 52495 | 48.736 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 108485 | 47.657 ug/l | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 140603 | 44.472 ug/l | 99 |
| 44) Trichloroethene | 7.129 | 130 | 79238 | 47.998 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 79040 | 49.233 ug/l | 97 |
| 46) Dibromomethane | 7.586 | 93 | 55469 | 48.075 ug/l | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 114825 | 48.767 ug/l | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 77040 | 48.587 ug/l | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17811 | 778.593 ug/l | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 438885 | 232.751 ug/l | 99 |
| 52) Toluene | 8.720 | 92 | 195988 | 48.803 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105565 | 48.322 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 119051 | 48.004 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72658 | 48.550 ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 108226 | 48.989 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 126284 | 49.000 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.177 | 63 | 331 | 0.288 ug/l # | 46 |
| 59) 2-Hexanone | 9.427 | 43 | 296453 | 227.408 ug/l | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 85100 | 48.252 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 73799 | 48.479 ug/l | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 64553 | 44.698 ug/l | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 215369 | 46.805 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 73173 | 47.316 ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 378857 | 47.122 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284493 | 94.966 ug/l | 98 |
| 69) o-Xylene | 10.640 | 106 | 138291 | 49.257 ug/l | 97 |
| 70) Styrene | 10.653 | 104 | 238827 | 48.609 ug/l | 99 |
| 71) Bromoform | 10.799 | 173 | 54094 | 45.930 ug/l # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 364190 | 48.101 ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 127025 | 44.281 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 99601 | 47.113 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 104230 | 55.358 ug/l | 92 |
| 77) Bromobenzene | 11.195 | 156 | 86823 | 47.653 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 431403 | 47.971 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 251143 | 46.774 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 296303 | 47.623 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28498 | 42.782 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 295188 | 47.107 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 305236 | 47.460 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298376 | 47.732 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 384840 | 47.347 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 319898 | 46.646 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 159621 | 44.932 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 160122 | 43.882 ug/l | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 301016 | 46.228 ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55160 | 45.931 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 155619 | 46.876 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18501 | 44.327 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 107118 | 45.385 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45542 | 45.870 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 315148 | 46.868 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105398 | 46.678 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

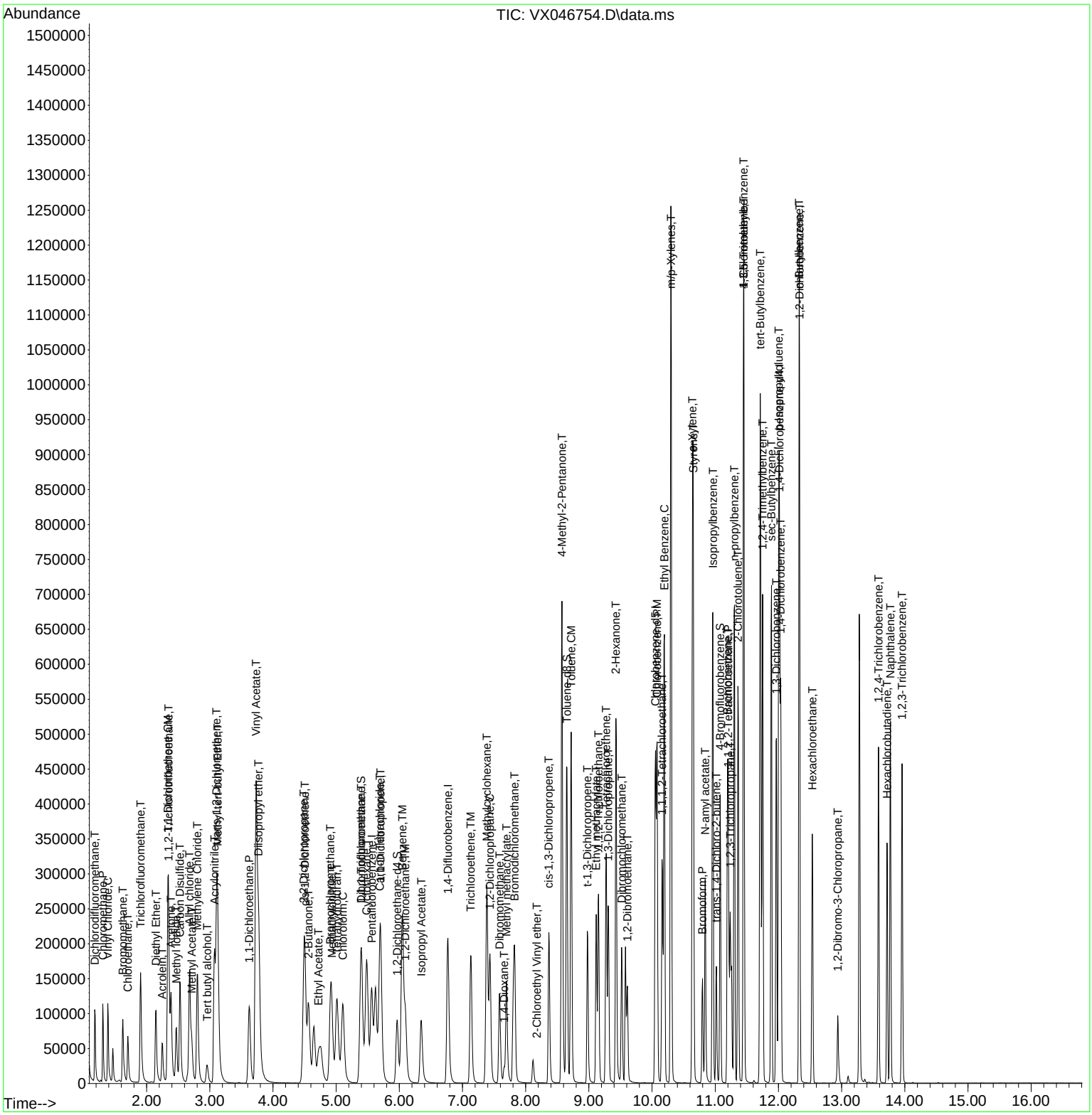
(#) = qualifier out of range (m) = manual integration (+) = signals summed

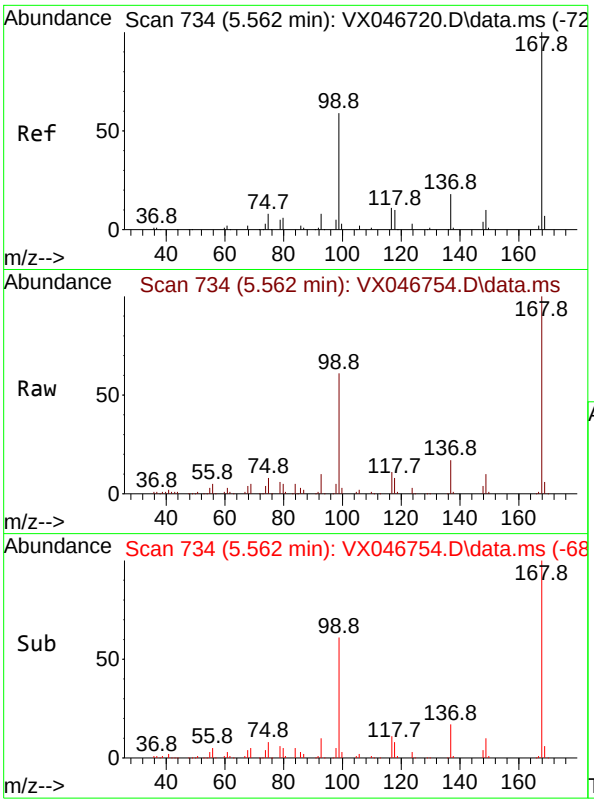
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046754.D
Acq On : 18 Jun 2025 19:19
Operator : JC/MD
Sample : Q2345-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Quant Time: Jun 19 01:30:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



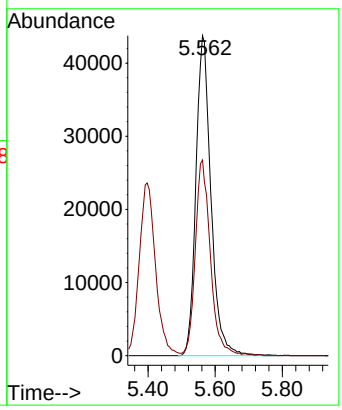


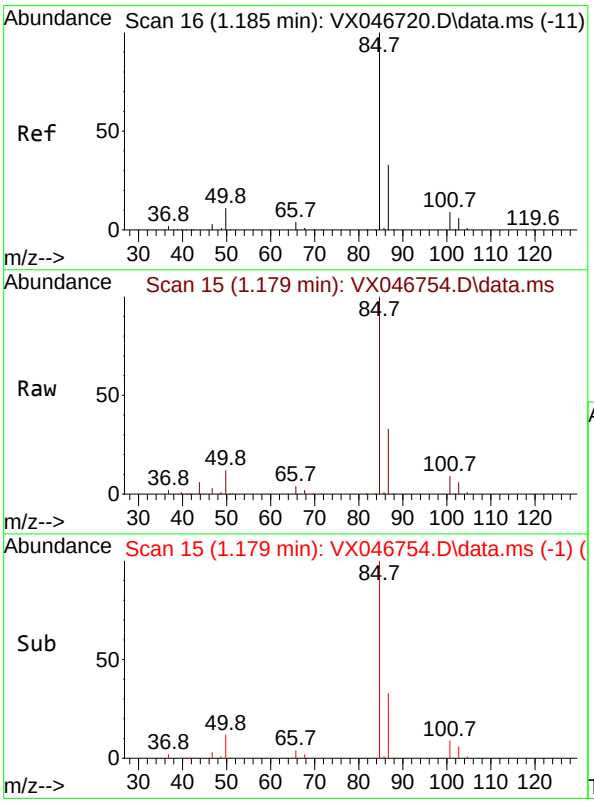

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:168 Resp: 136146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 48.5 | 72.7 |

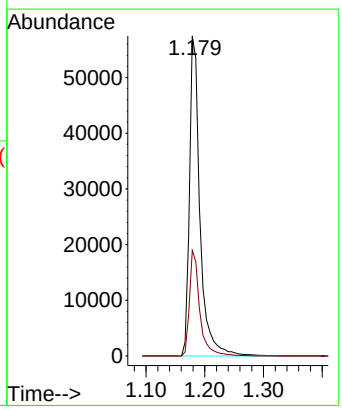


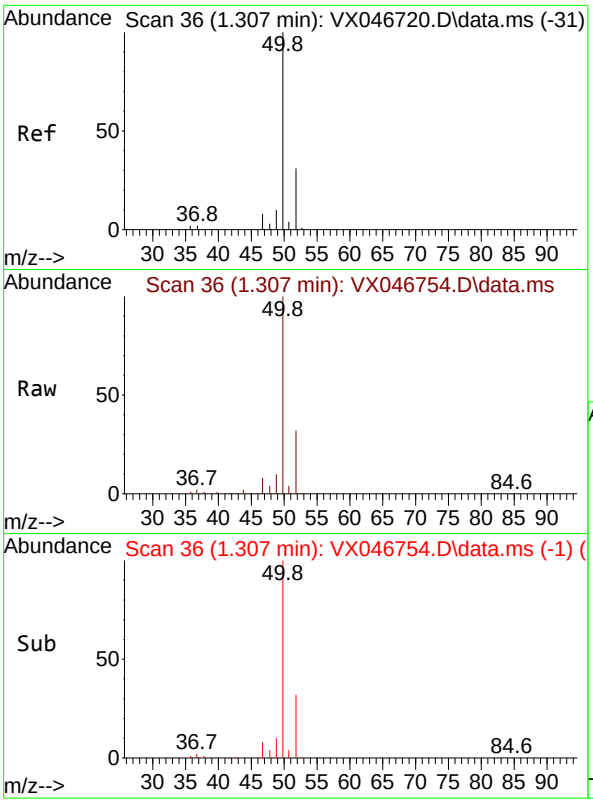




#2
Dichlorodifluoromethane
Concen: 49.190 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 85 Resp: 71499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 16.6 | 49.8 |



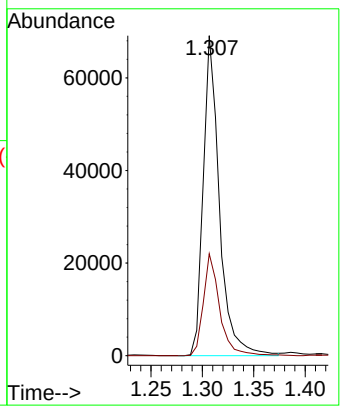


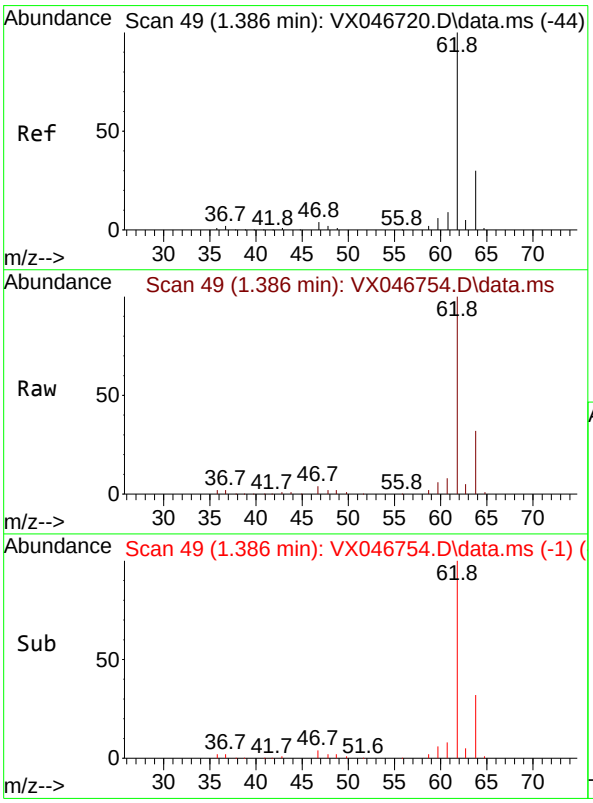

#3
Chloromethane
Concen: 48.261 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 50 Resp: 75717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 37.3 |

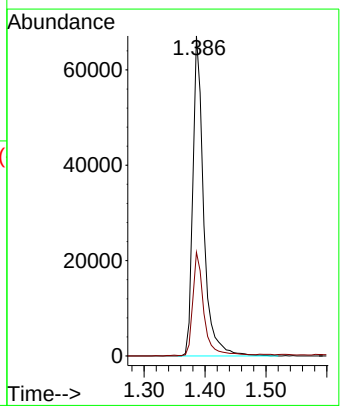


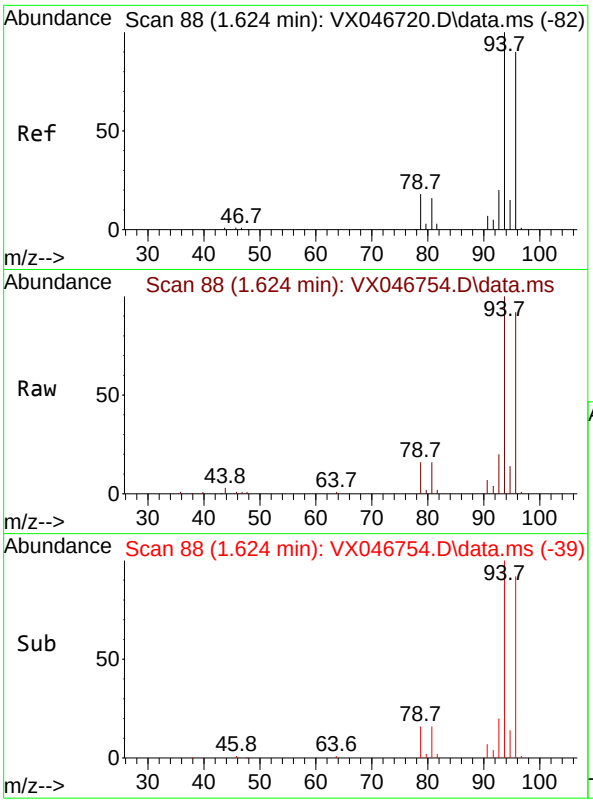




#4
Vinyl Chloride
Concen: 49.452 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 62 Resp: 82735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 23.9 | 35.9 |



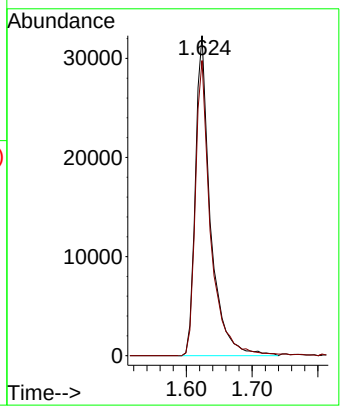


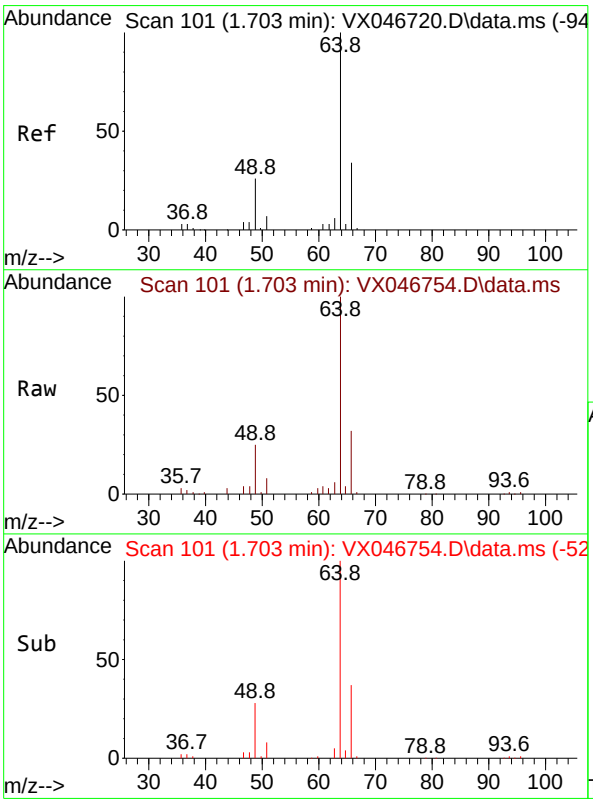

#5
Bromomethane
Concen: 54.534 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 94 Resp: 51332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.3 | 72.3 | 108.5 |

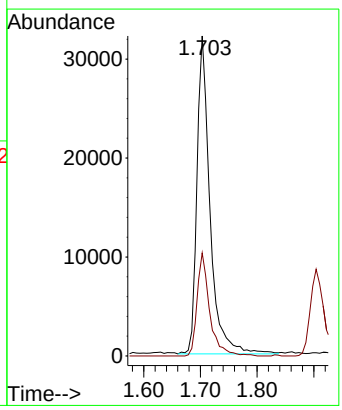


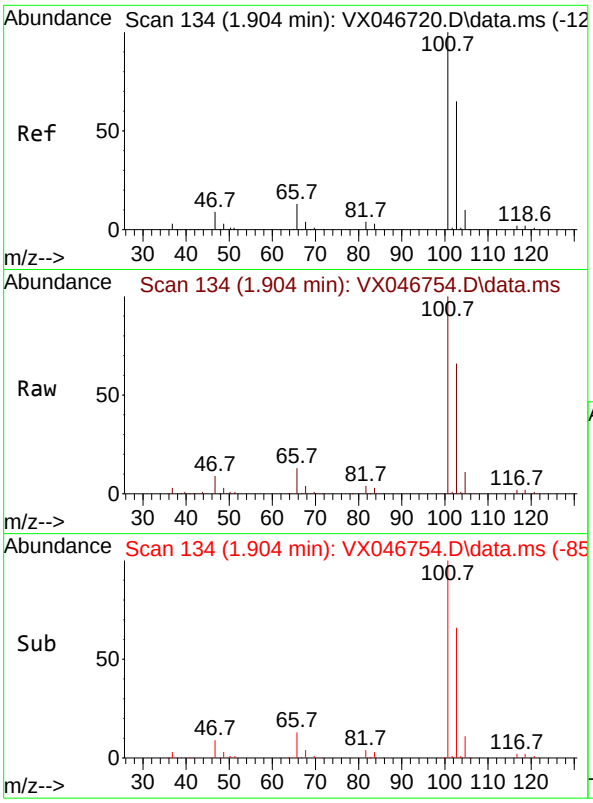




#6
Chloroethane
Concen: 50.564 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 64 Resp: 51273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 27.1 | 40.7 |



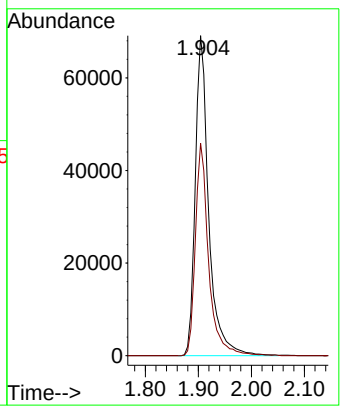


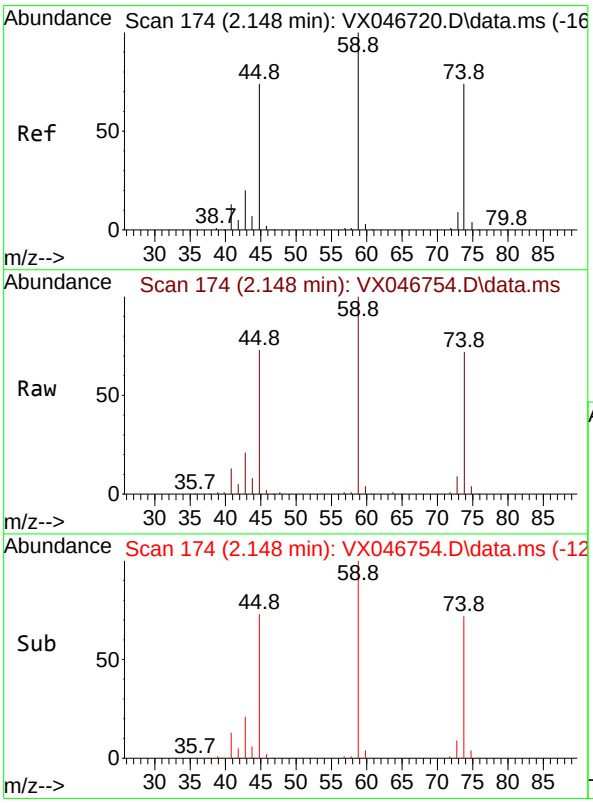

#7
Trichlorofluoromethane
Concen: 47.896 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:101 Resp: 121673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 51.8 | 77.8 |

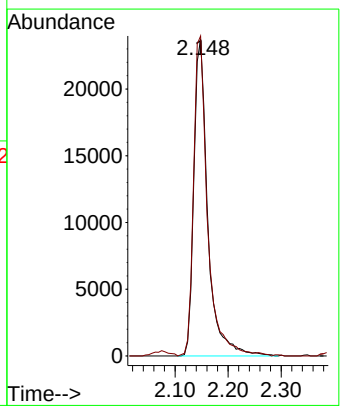


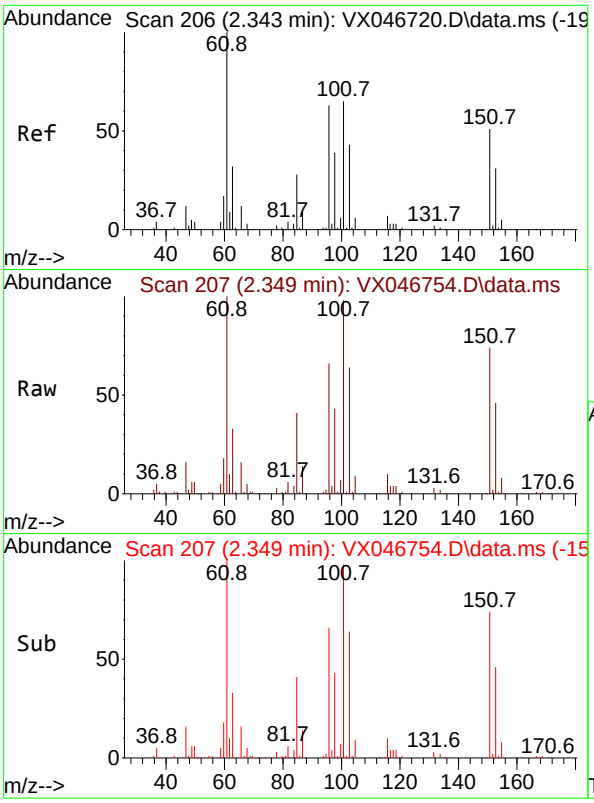




#8
Diethyl Ether
Concen: 49.514 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 74 Resp: 43167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.8 | 52.3 | 157.1 |



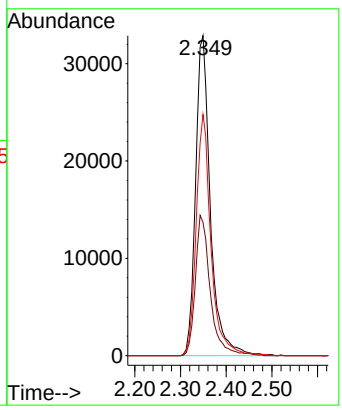


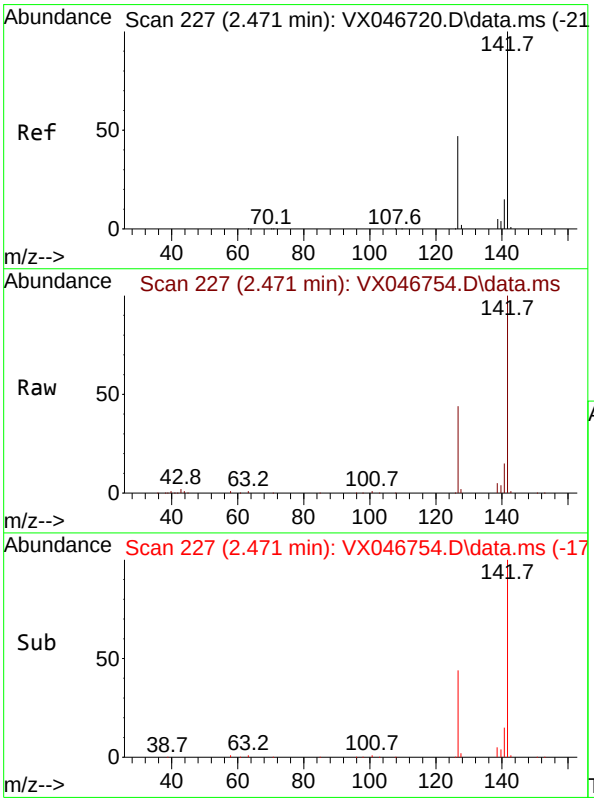

#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.413 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:101 Resp: 73891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.3 | 35.4 | 53.0 |
| 151 | 75.3 | 61.2 | 91.8 |

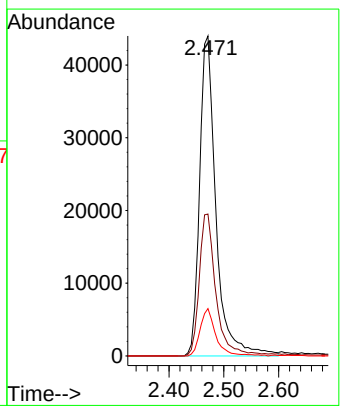


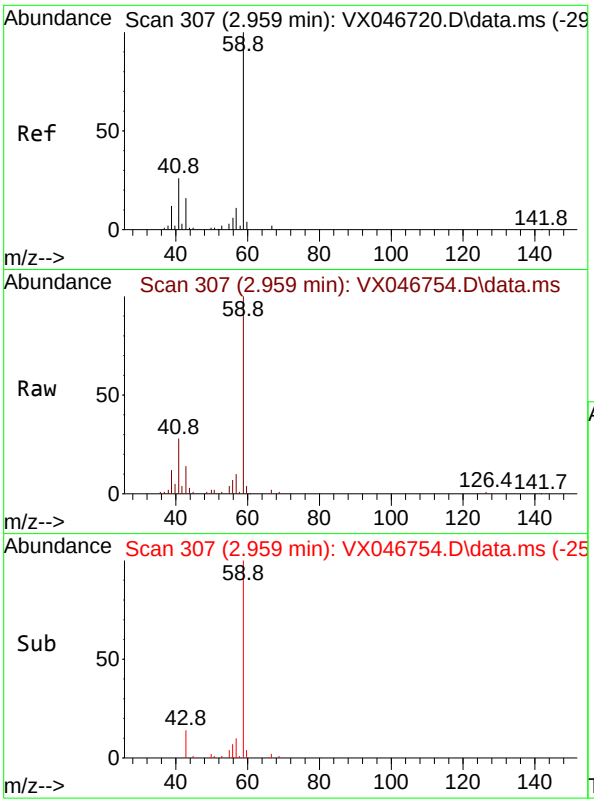




#10
Methyl Iodide
Concen: 46.992 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:142 Resp: 91117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.4 | 37.0 | 55.6 |
| 141 | 14.3 | 11.5 | 17.3 |



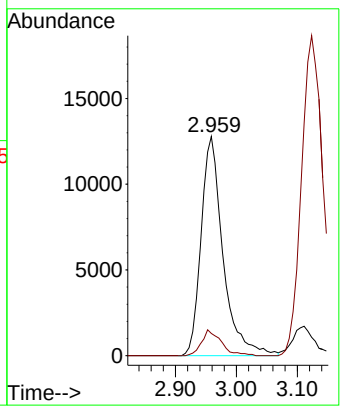


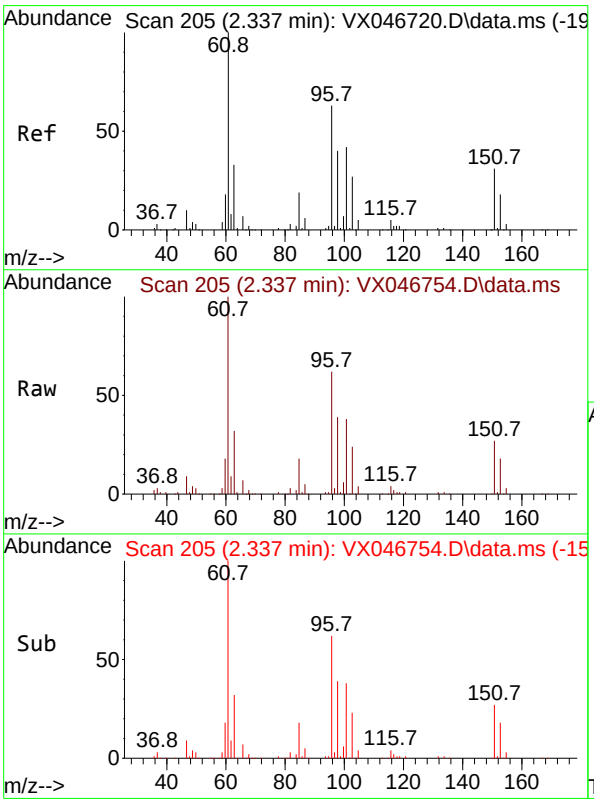

#11
Tert butyl alcohol
Concen: 189.076 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 59 Resp: 31958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

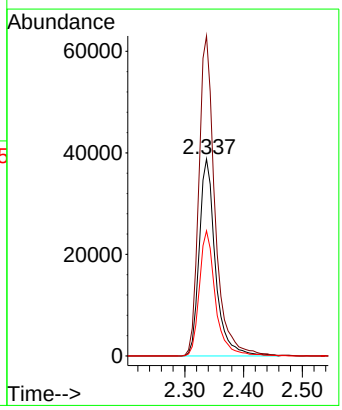


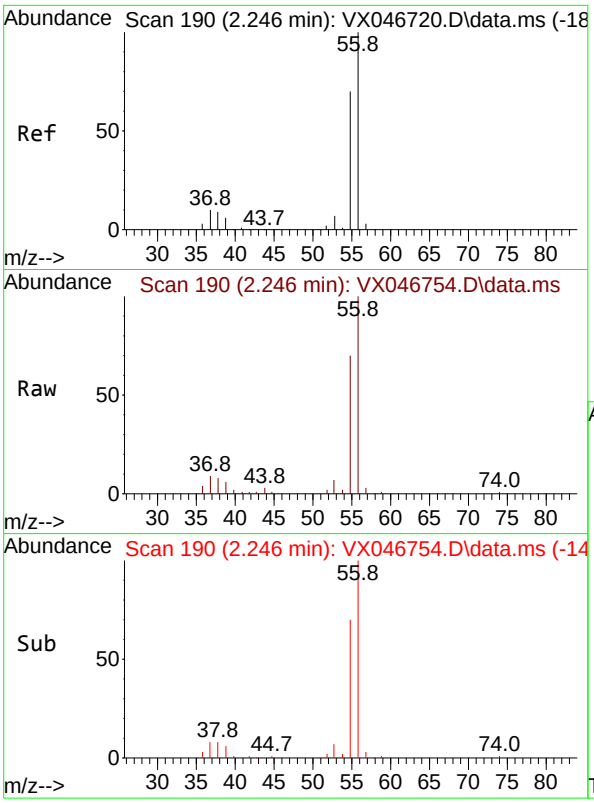




#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 96 Resp: 74340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.4 | 126.6 | 189.8 |
| 98 | 63.5 | 50.7 | 76.1 |



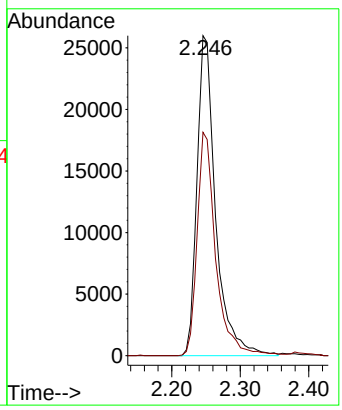


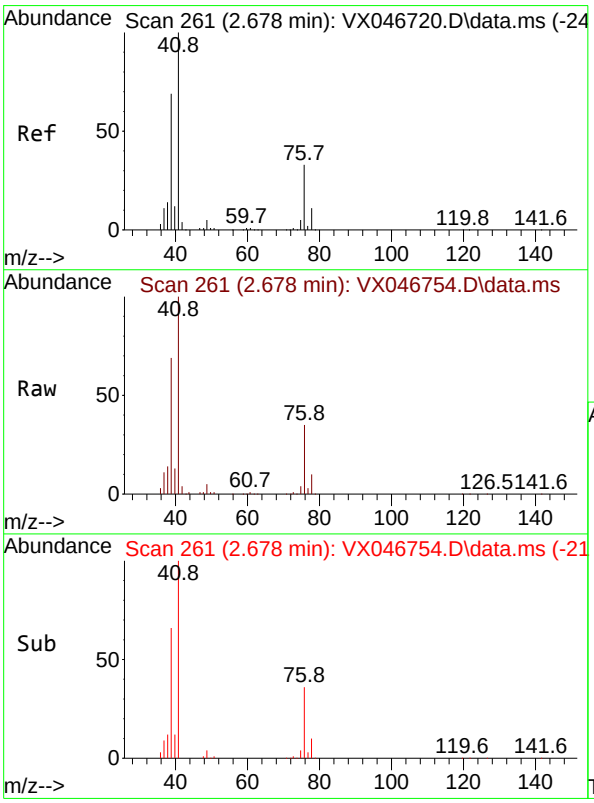

#13
Acrolein
Concen: 200.209 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 56 Resp: 49290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 55.2 | 82.8 |

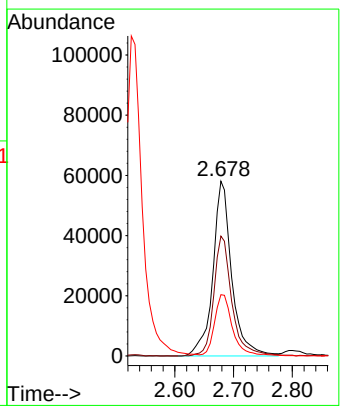


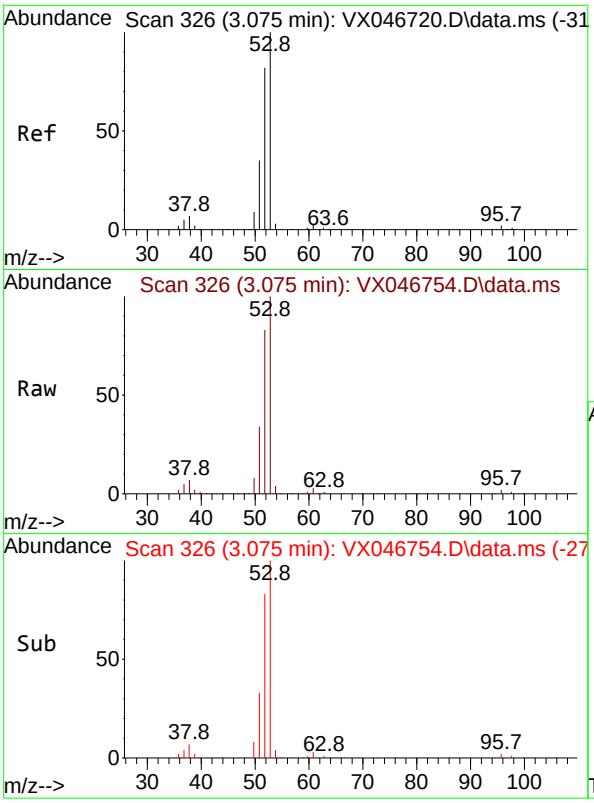




#14
Allyl chloride
Concen: 47.659 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 41 Resp: 129854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.4 | 53.6 | 80.4 |
| 76 | 33.5 | 26.8 | 40.2 |



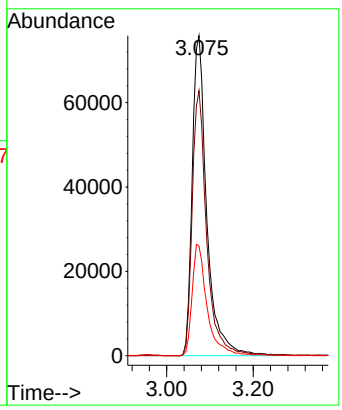


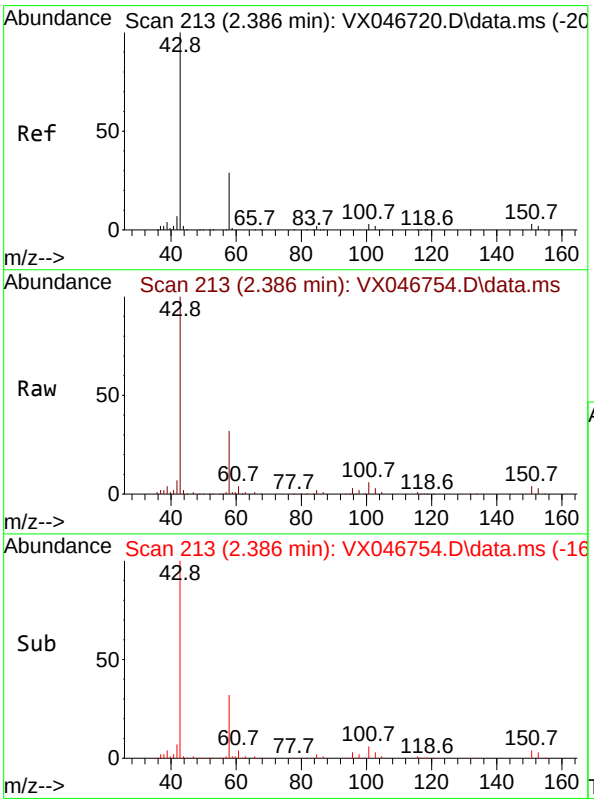

#15
Acrylonitrile
Concen: 233.349 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 53 Resp: 177351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 65.1 | 97.7 |
| 51 | 35.7 | 28.9 | 43.3 |

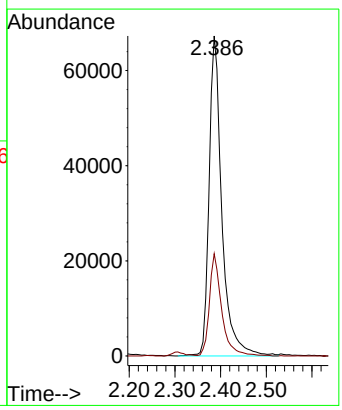


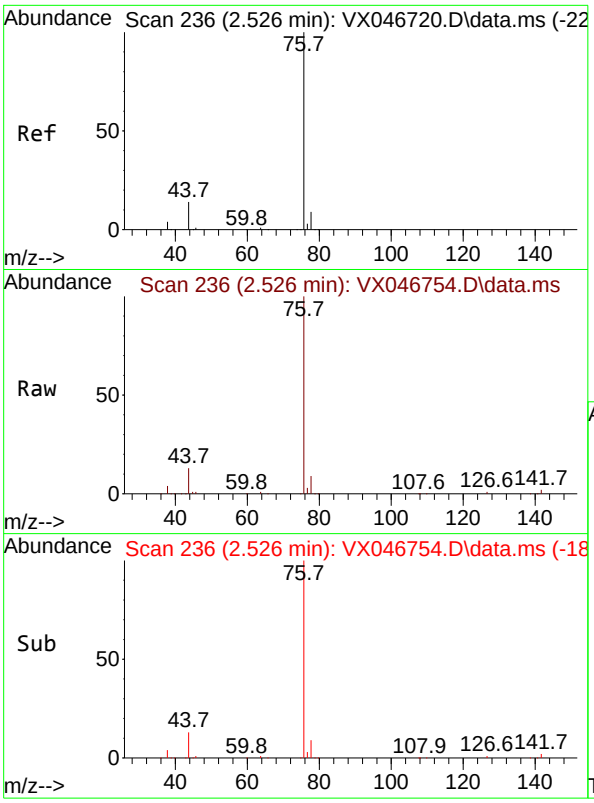




#16
Acetone
Concen: 207.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 130426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.0 | 24.5 | 36.7 |



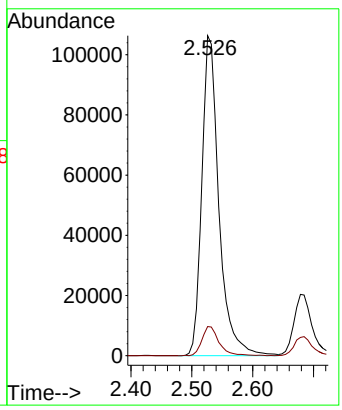


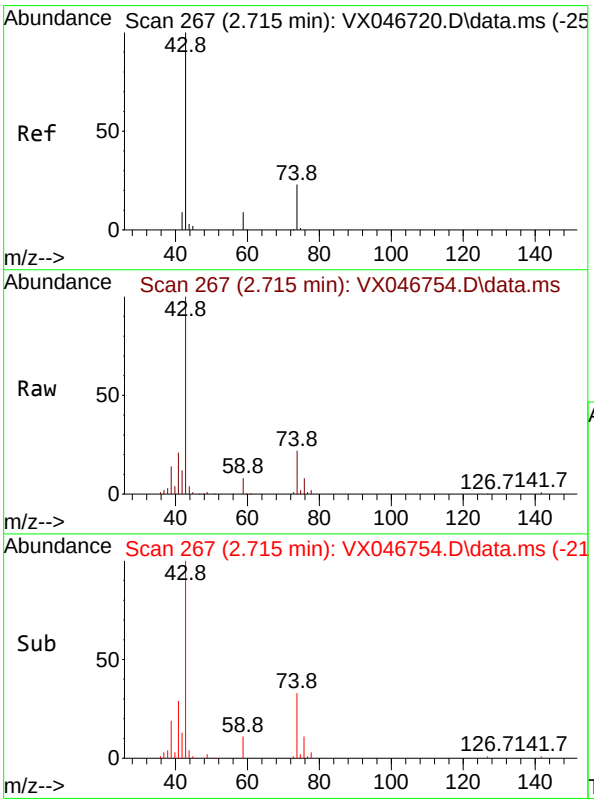

#17
Carbon Disulfide
Concen: 45.662 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 76 Resp: 207359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

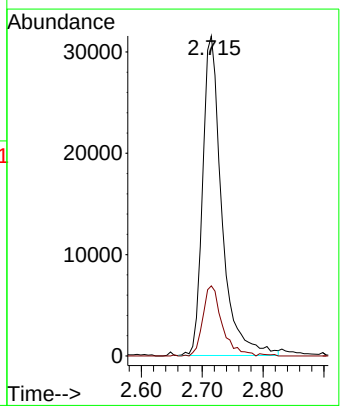


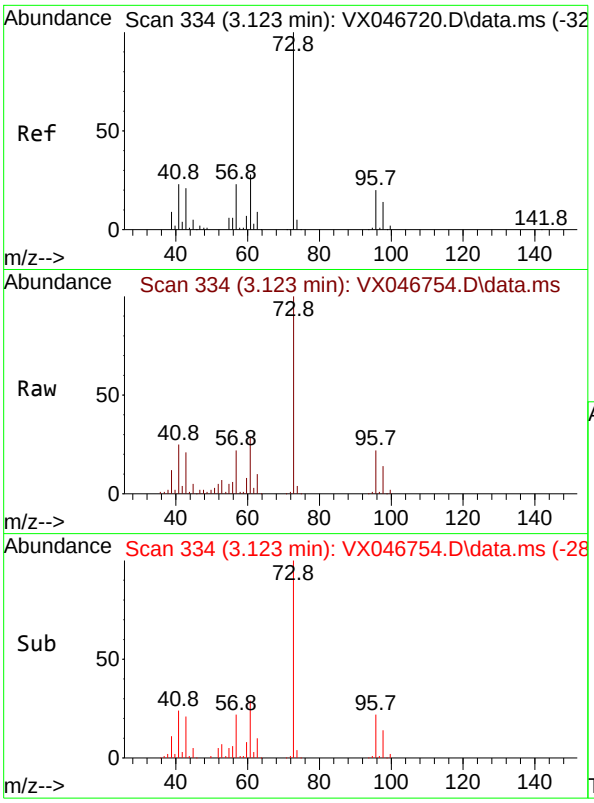




#18
Methyl Acetate
Concen: 43.107 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 68754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 18.4 | 27.6 |



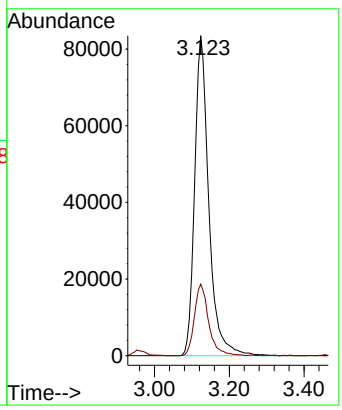


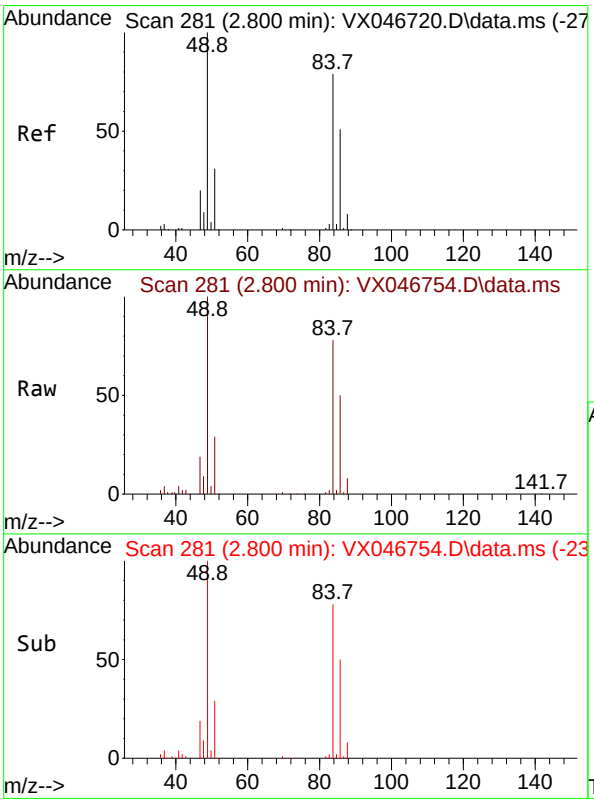

#19
Methyl tert-butyl Ether
Concen: 46.754 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 73 Resp: 218922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.4 | 18.2 | 27.2 |

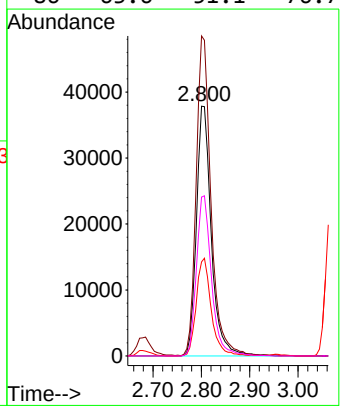


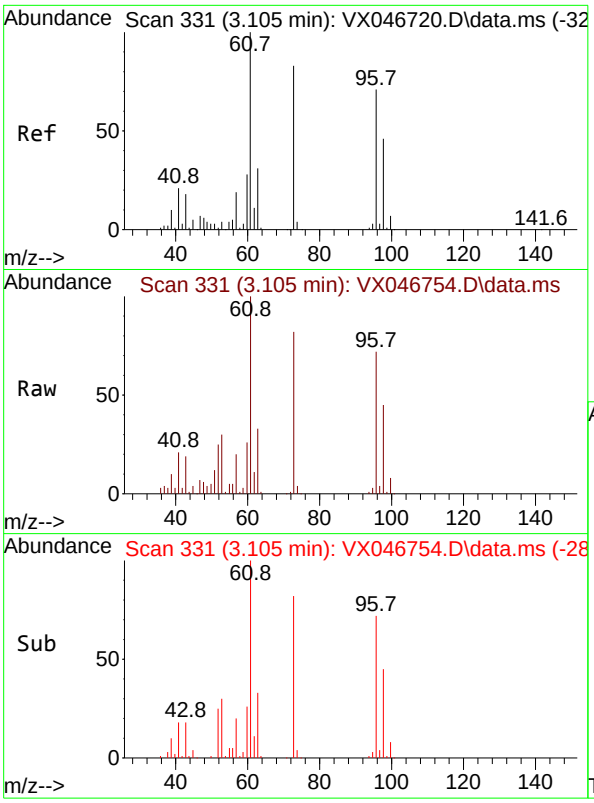




#20
Methylene Chloride
Concen: 46.453 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 84 Resp: 81126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 101.3 | 151.9 |
| 51 | 37.7 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |



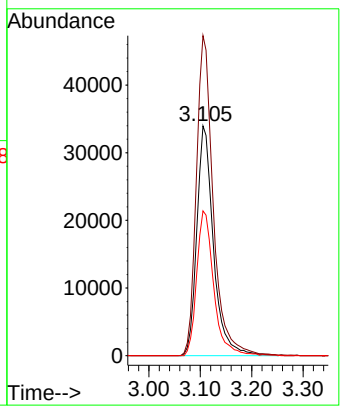


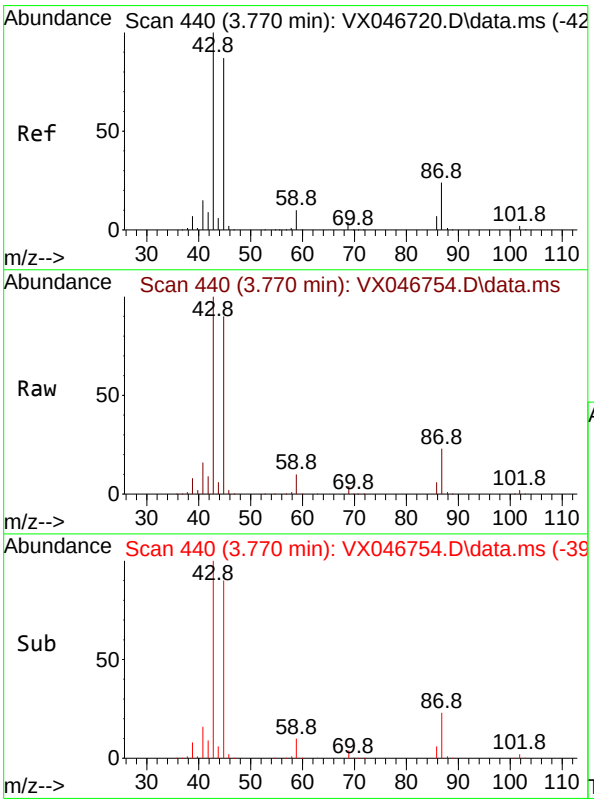

#21
trans-1,2-Dichloroethene
Concen: 47.641 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 96 Resp: 76658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.3 | 112.5 | 168.7 |
| 98 | 63.0 | 51.9 | 77.9 |

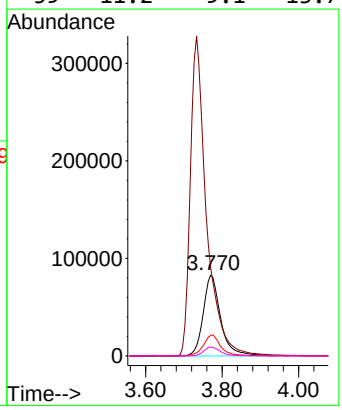


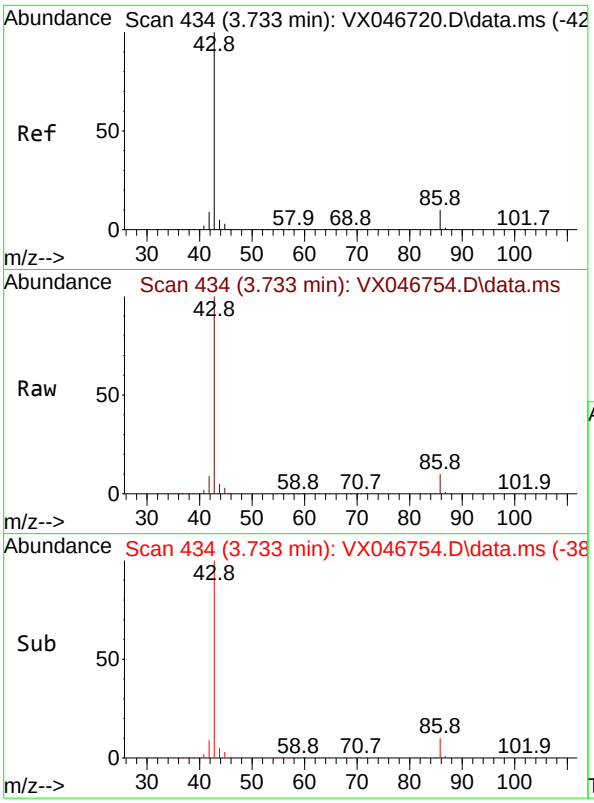




#22
Diisopropyl ether
Concen: 50.093 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 45 Resp: 262340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 110.9 | 91.9 | 137.9 |
| 87 | 25.3 | 22.0 | 33.0 |
| 59 | 11.2 | 9.1 | 13.7 |



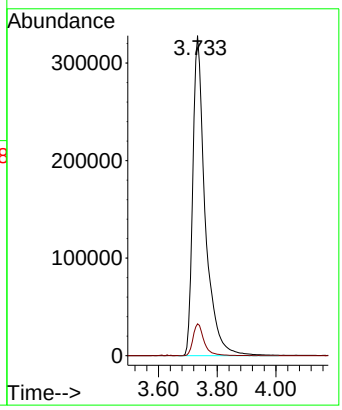


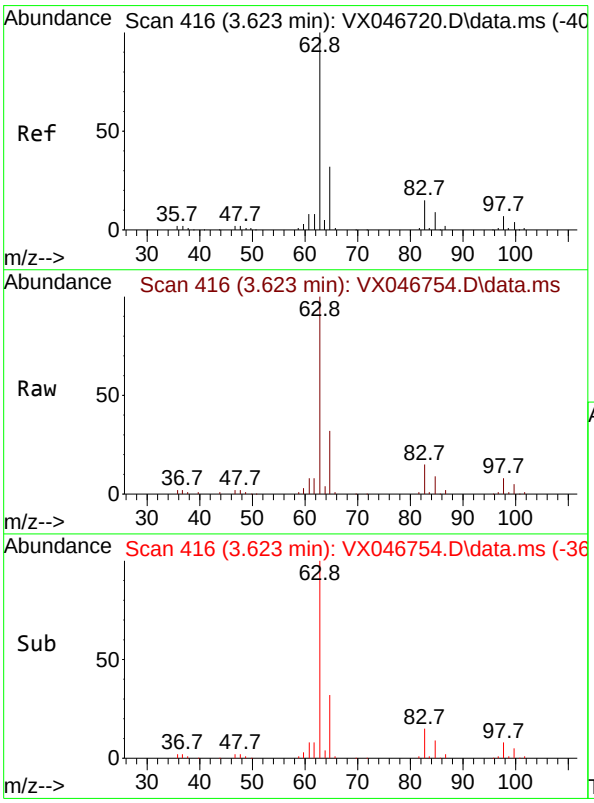

#23
Vinyl Acetate
Concen: 231.797 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 965332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 8.2 | 12.2 |

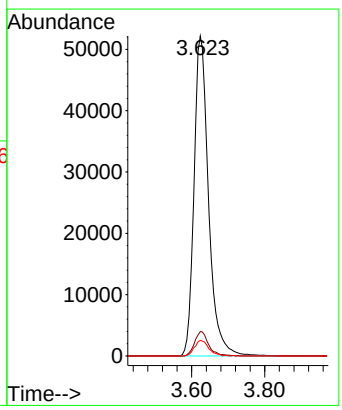


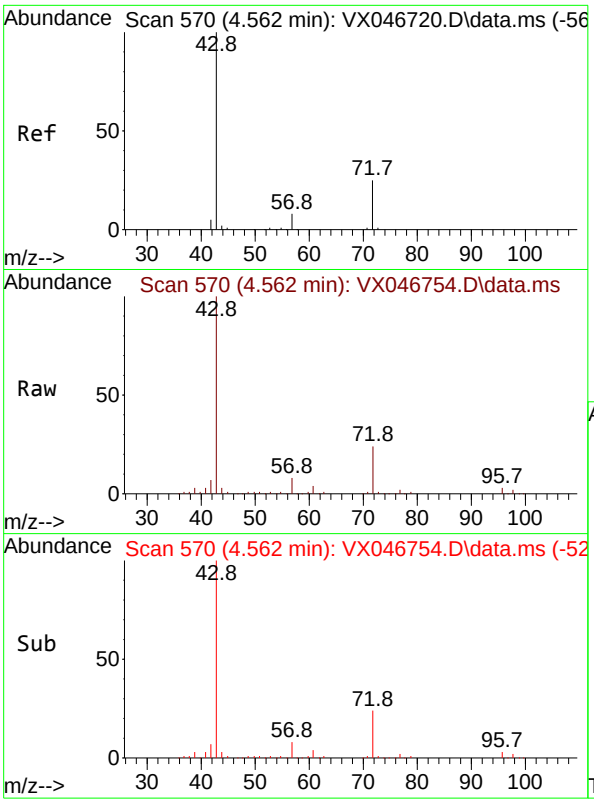




#24
1,1-Dichloroethane
Concen: 48.562 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 63 Resp: 144398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 4.0 | 11.9 |
| 100 | 4.8 | 2.2 | 6.6 |



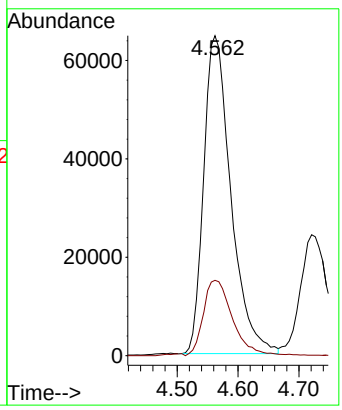


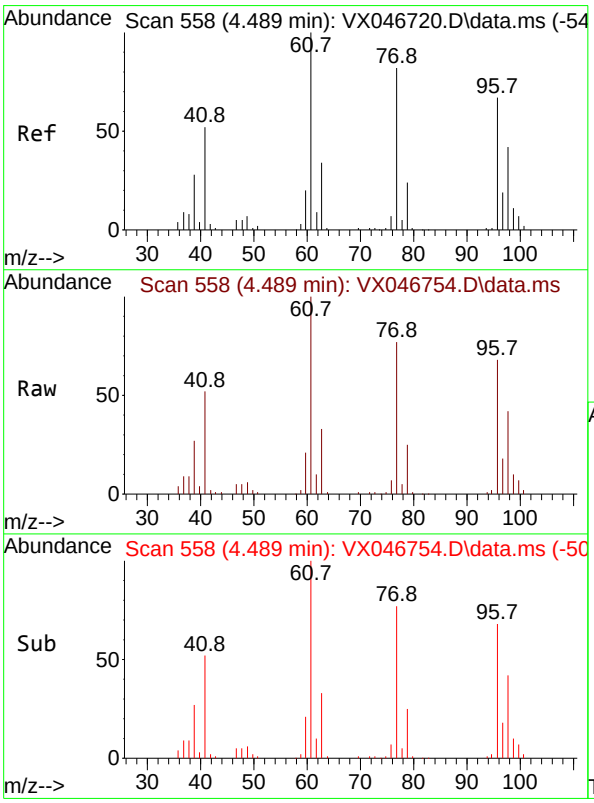

#25
2-Butanone
Concen: 226.078 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 200792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.4 | 20.2 | 30.4 |

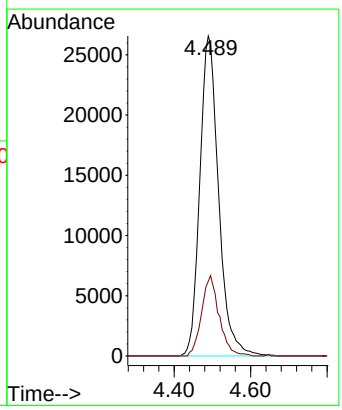


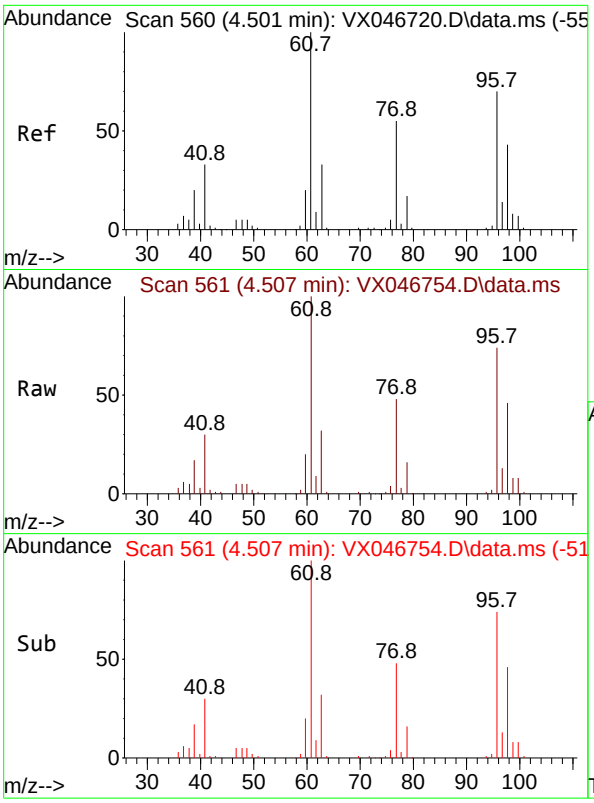




#26
2,2-Dichloropropane
Concen: 41.759 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 77 Resp: 90561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.4 | 11.8 | 35.3 |



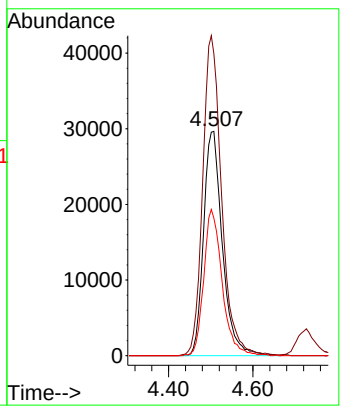


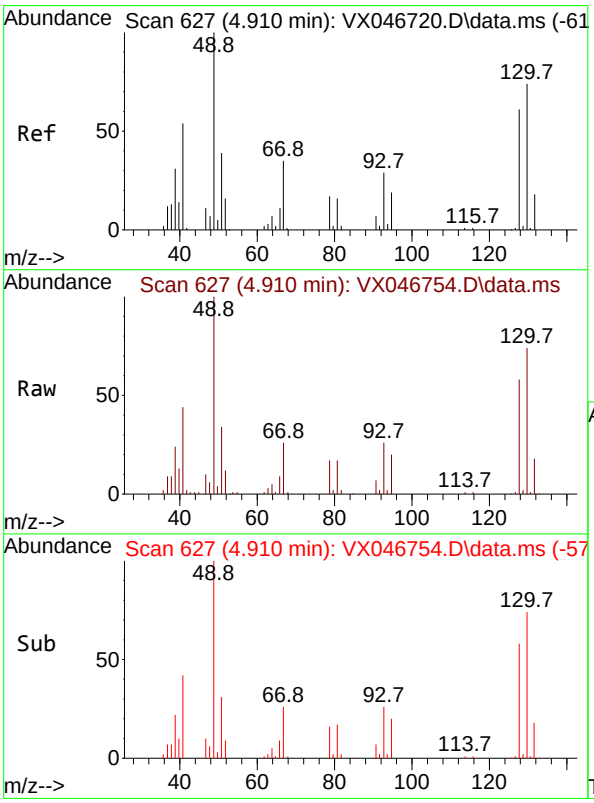

#27
cis-1,2-Dichloroethene
Concen: 48.686 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 96 Resp: 92038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.5 | 0.0 | 291.0 |
| 98 | 63.8 | 0.0 | 126.8 |

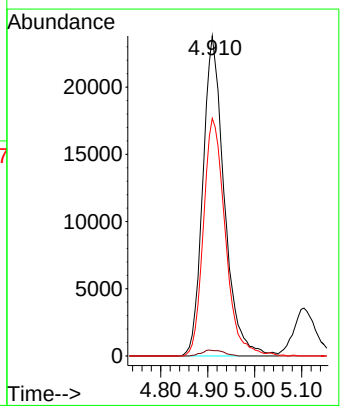


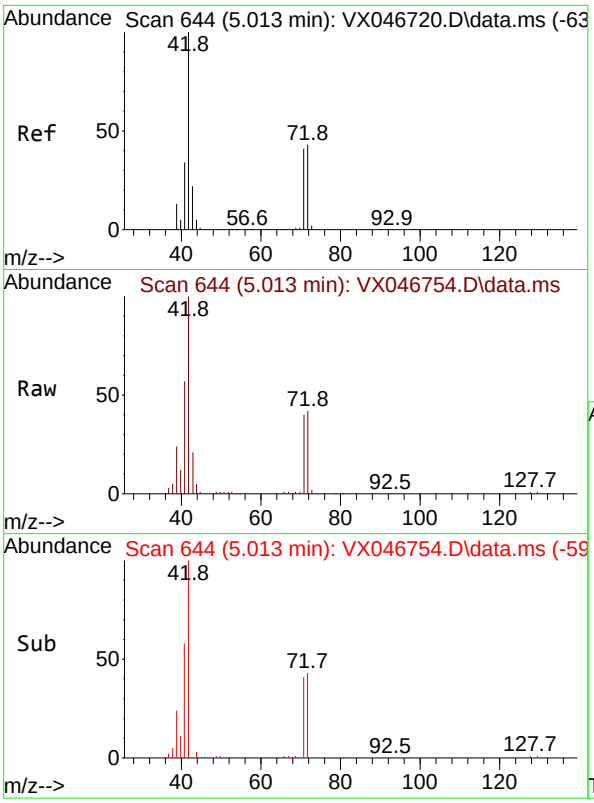




#28
Bromochloromethane
Concen: 55.824 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 49 Resp: 75253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 75.8 | 61.4 | 92.0 |



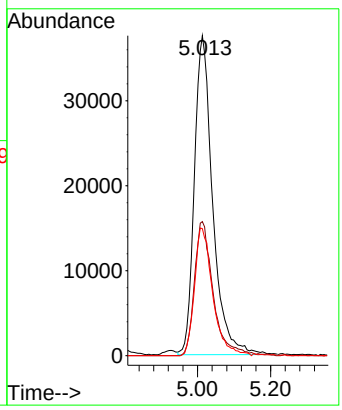


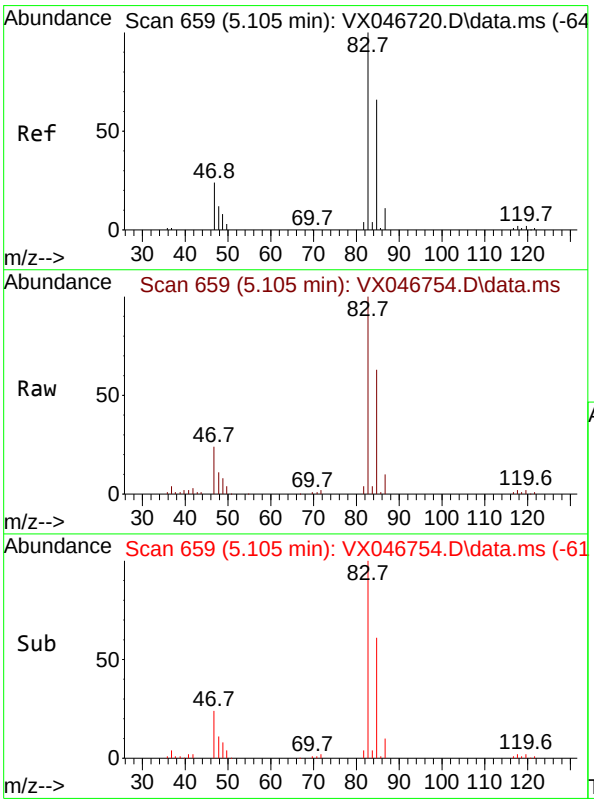

#29
Tetrahydrofuran
Concen: 228.277 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 42 Resp: 130955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.1 | 34.9 | 52.3 |
| 71 | 39.9 | 32.2 | 48.2 |

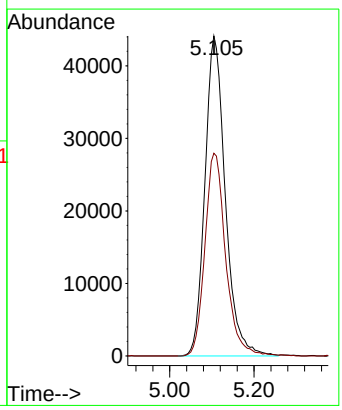


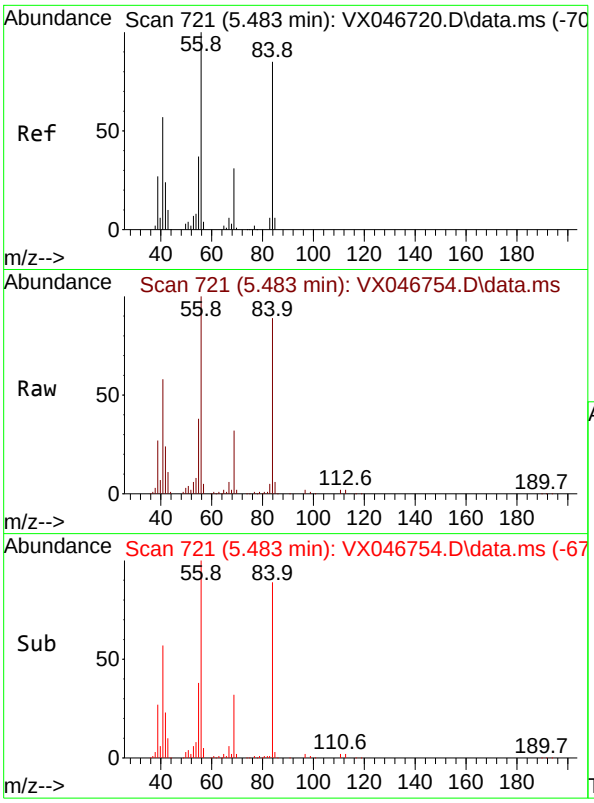




#30
Chloroform
Concen: 49.820 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 83 Resp: 148146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 53.7 | 80.5 |



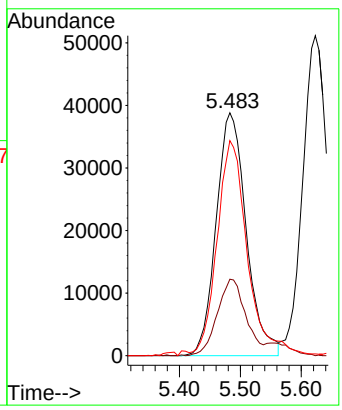


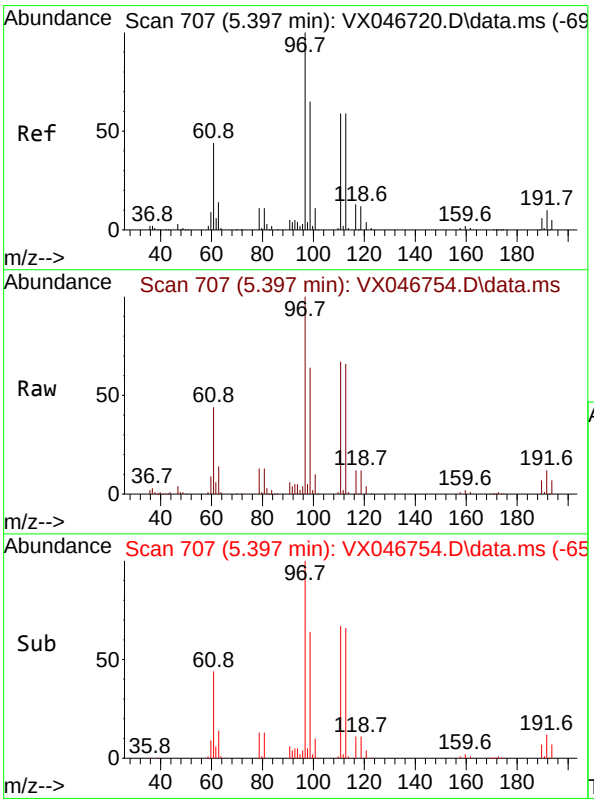

#31
Cyclohexane
Concen: 47.234 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 56 Resp: 133192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.8 | 37.2 |
| 84 | 88.4 | 68.2 | 102.2 |

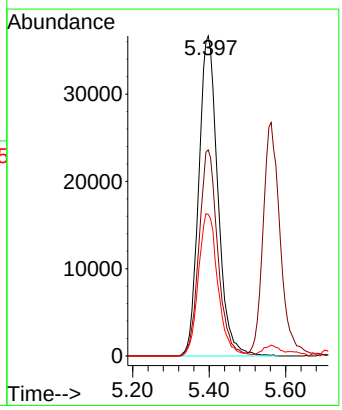


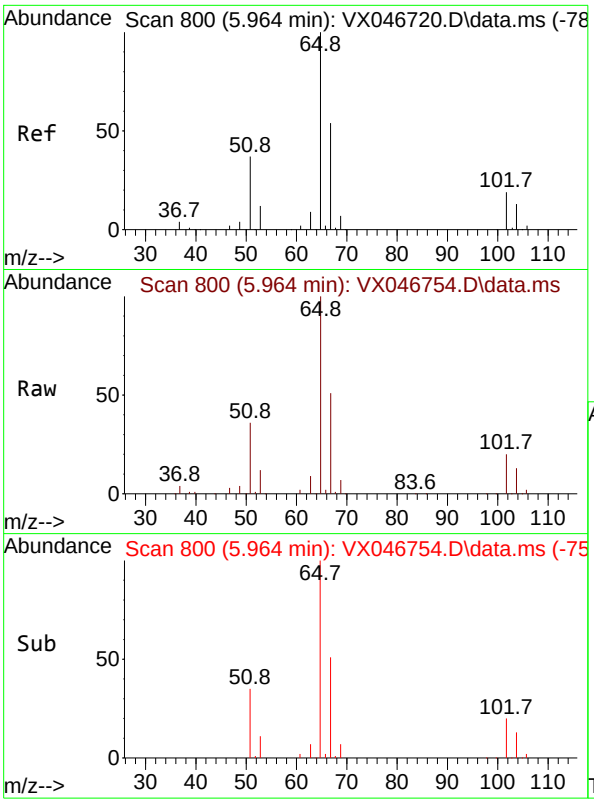




#32
1,1,1-Trichloroethane
Concen: 48.610 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 97 Resp: 126773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 51.3 | 76.9 |
| 61 | 45.6 | 36.4 | 54.6 |



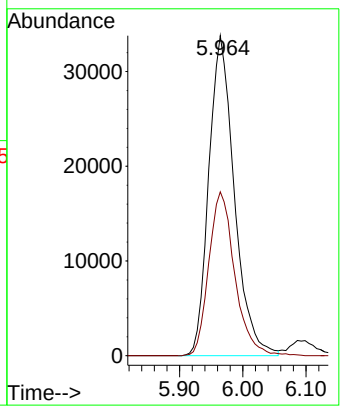


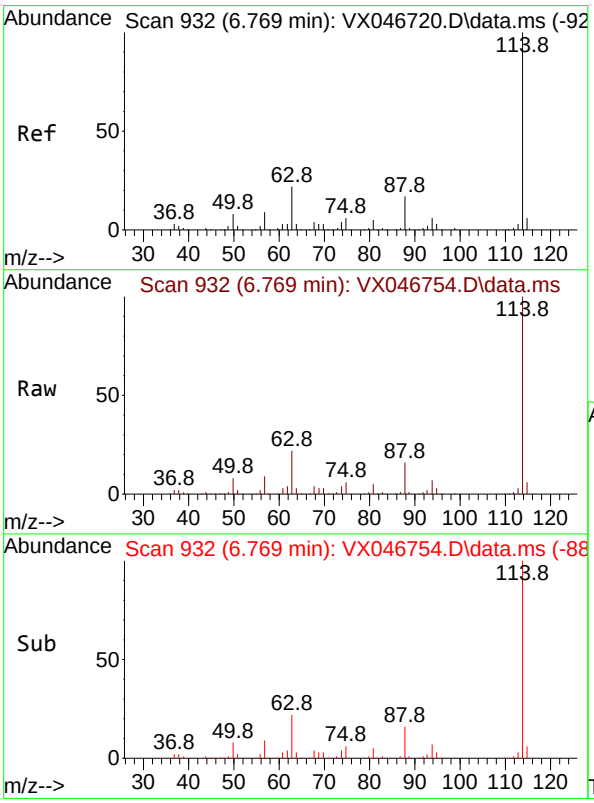

#33
1,2-Dichloroethane-d4
Concen: 50.219 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 65 Resp: 94570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 105.4 |

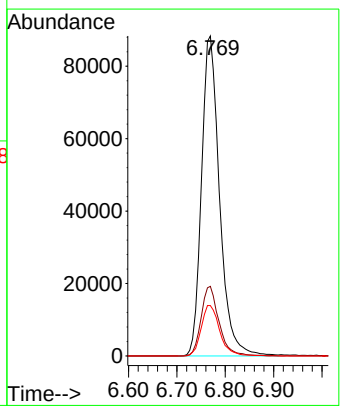


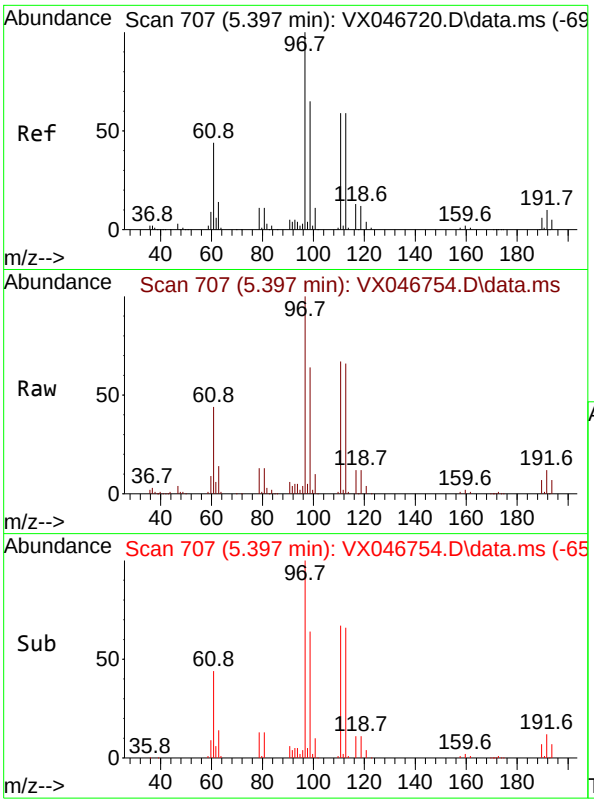




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:114 Resp: 229178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |



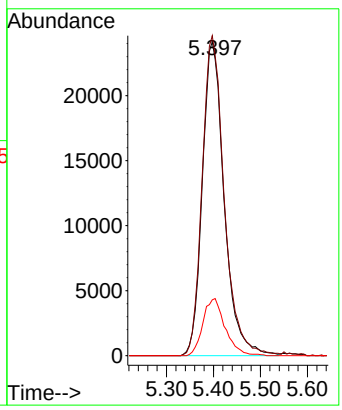


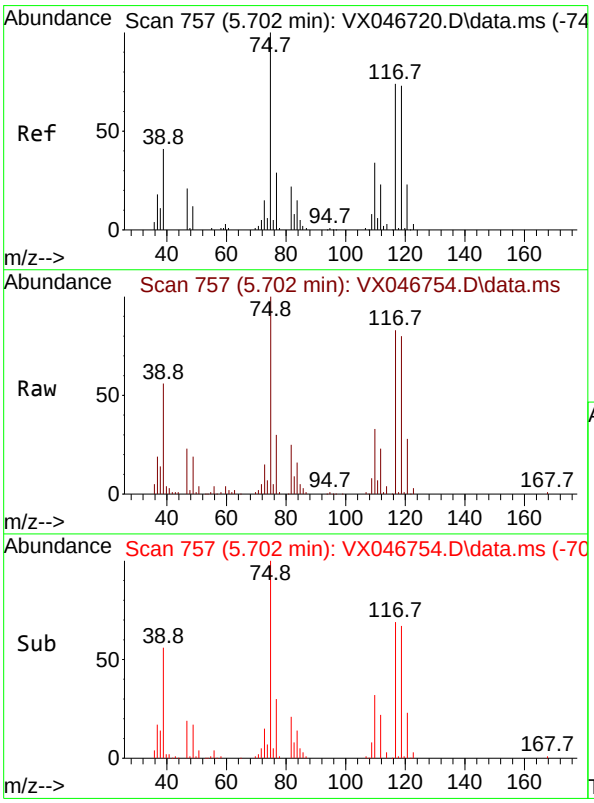

#35
Dibromofluoromethane
Concen: 51.260 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:113 Resp: 77727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |

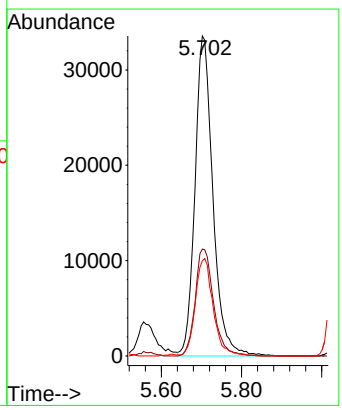


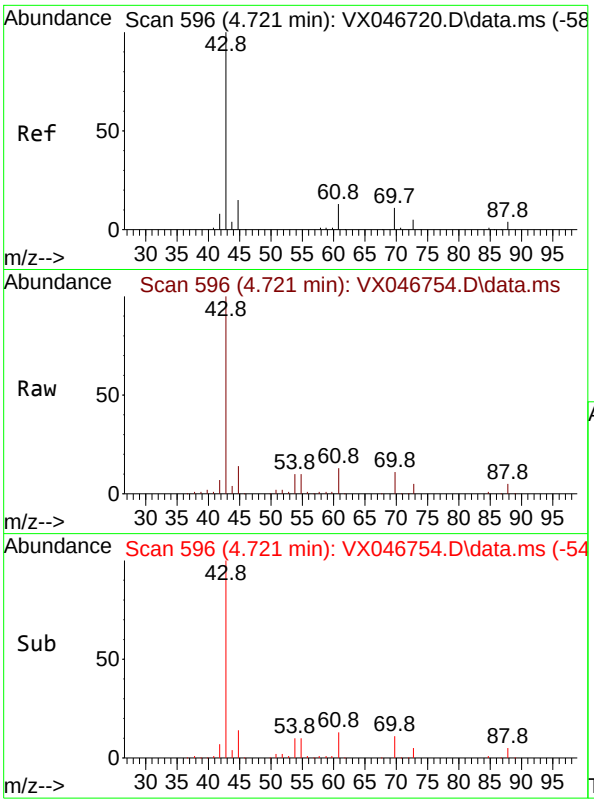




#36
1,1-Dichloropropene
Concen: 47.566 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 104116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.2 | 51.5 |
| 77 | 30.3 | 24.2 | 36.4 |



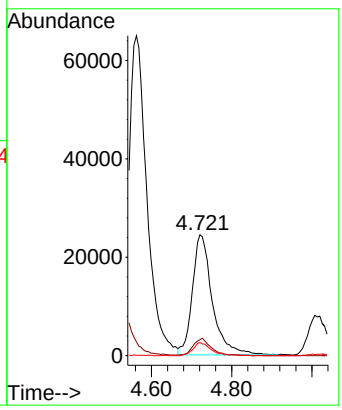


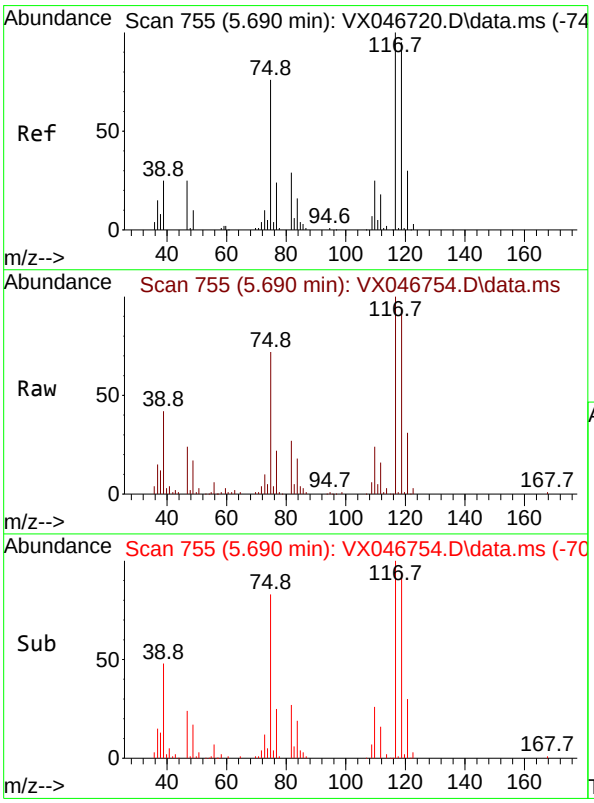

#37
Ethyl Acetate
Concen: 41.584 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 84018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 9.7 | 14.5 |
| 70 | 10.0 | 8.1 | 12.1 |

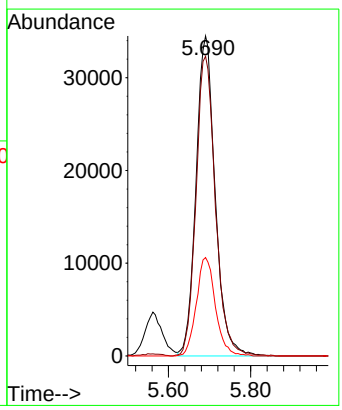


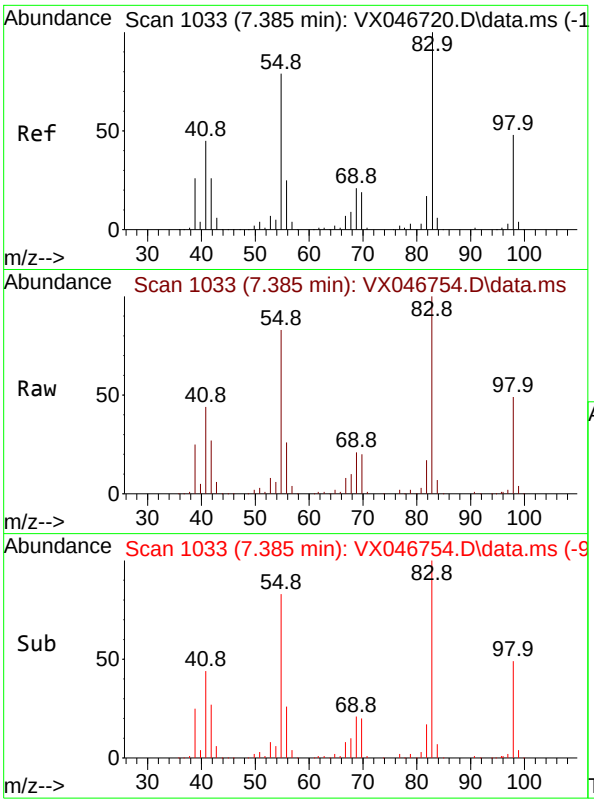




#38
Carbon Tetrachloride
Concen: 46.991 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:117 Resp: 111625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.6 | 75.2 | 112.8 |
| 121 | 30.7 | 24.1 | 36.1 |



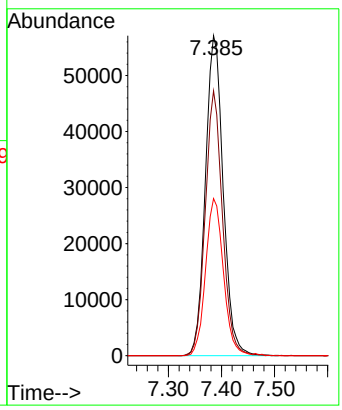


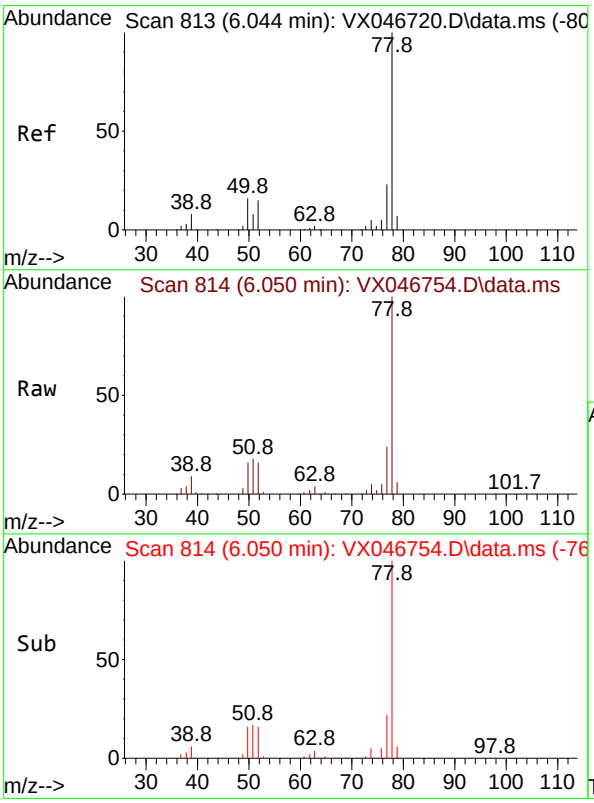

#39
Methylcyclohexane
Concen: 46.228 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 83 Resp: 133155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.8 | 63.0 | 94.4 |
| 98 | 49.1 | 38.8 | 58.2 |

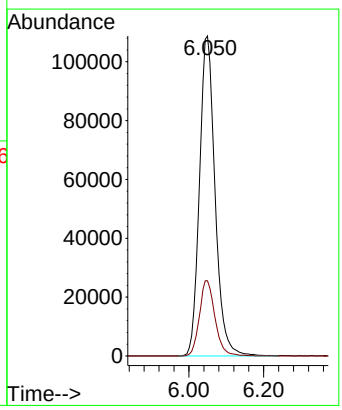


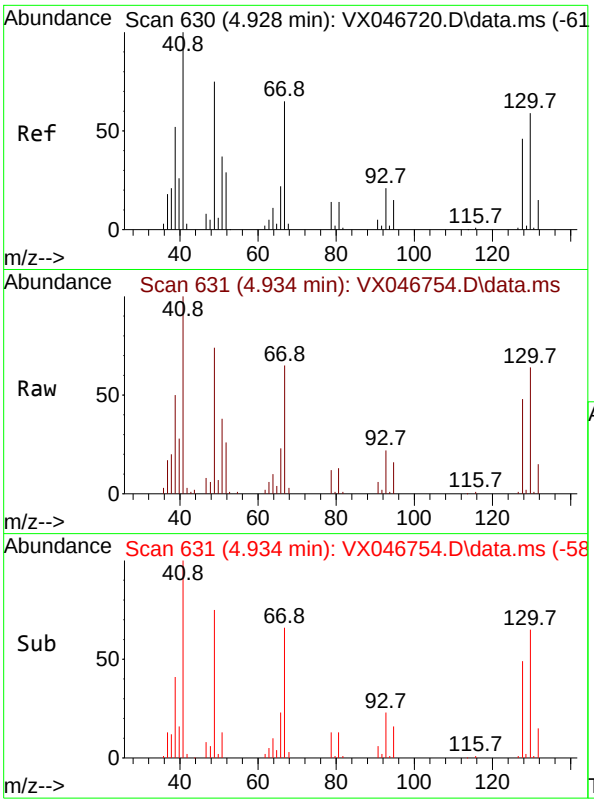




#40
Benzene
Concen: 48.615 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 78 Resp: 314925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



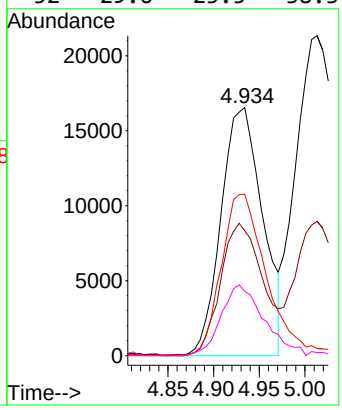


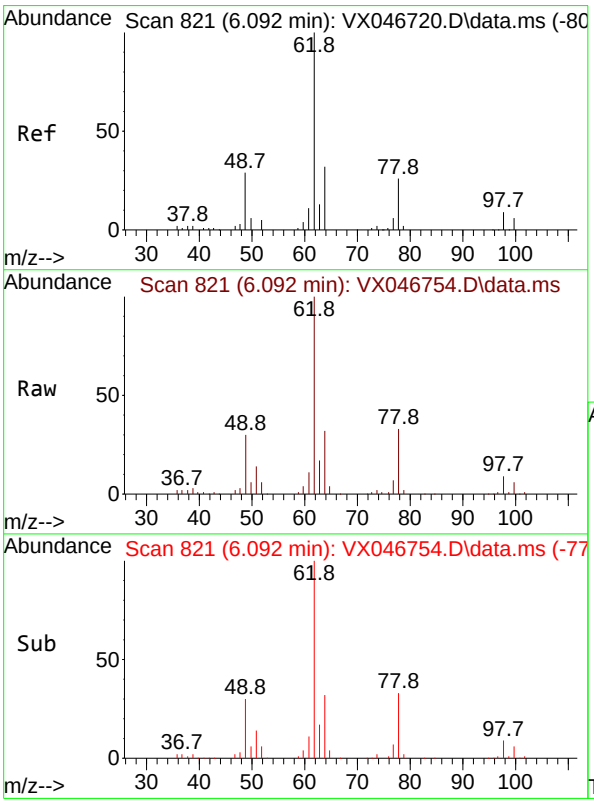

#41
Methacrylonitrile
Concen: 48.736 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 41 Resp: 52495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.3 | 45.9 | 68.9 |
| 67 | 71.8 | 61.2 | 91.8 |
| 52 | 29.6 | 25.5 | 38.3 |

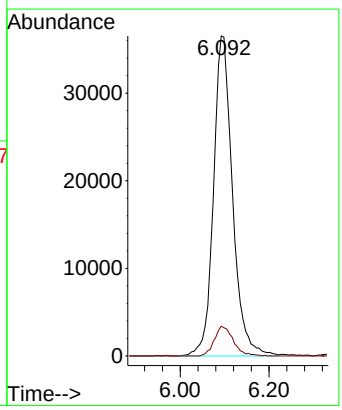


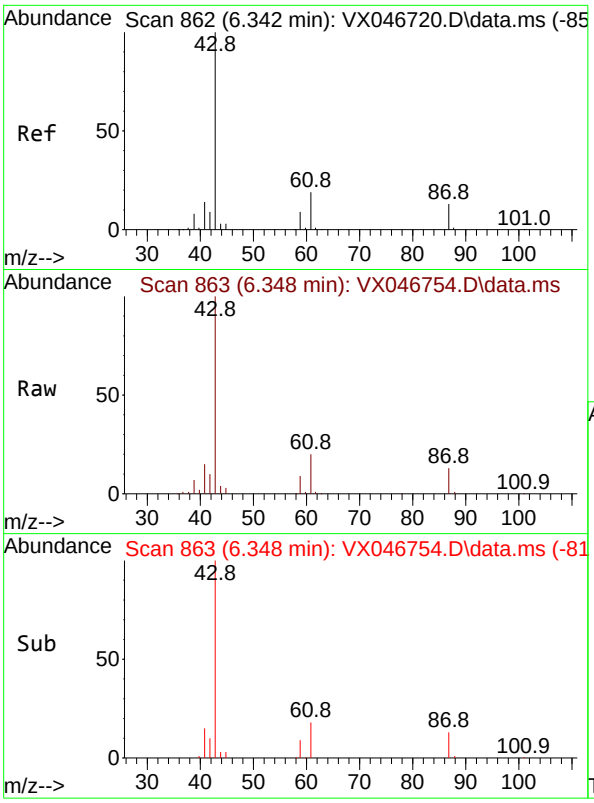




#42
1,2-Dichloroethane
Concen: 47.657 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 62 Resp: 108485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |



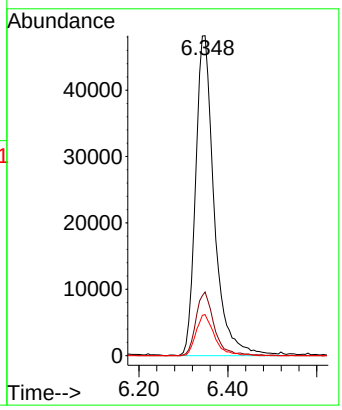


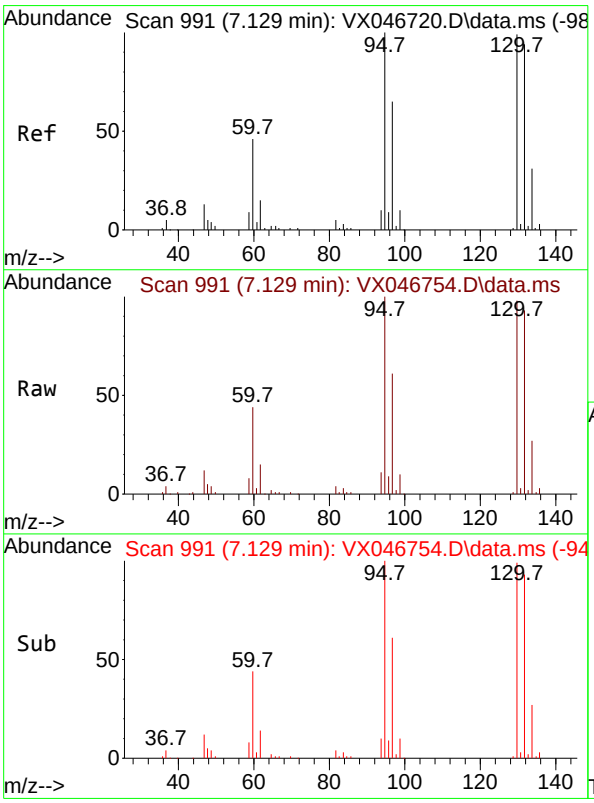

#43
Isopropyl Acetate
Concen: 44.472 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 140603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.3 | 22.9 |
| 87 | 12.6 | 10.0 | 15.0 |

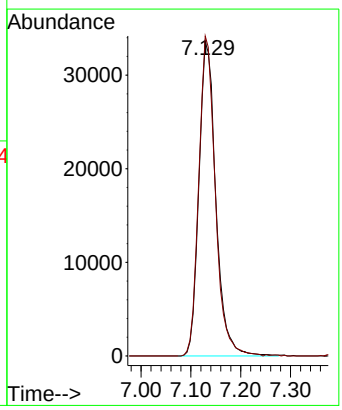


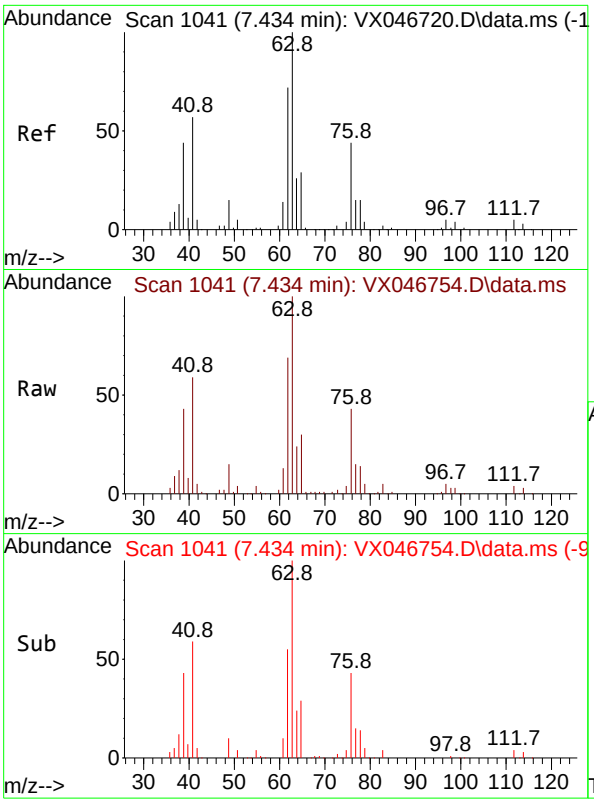




#44
Trichloroethene
Concen: 47.998 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:130 Resp: 79238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.9 | 0.0 | 202.6 |



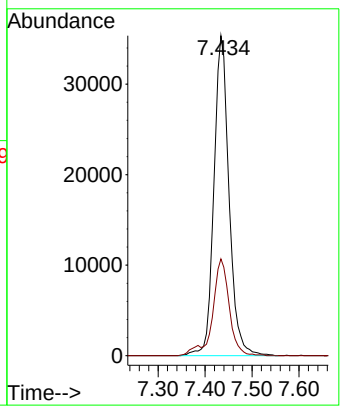


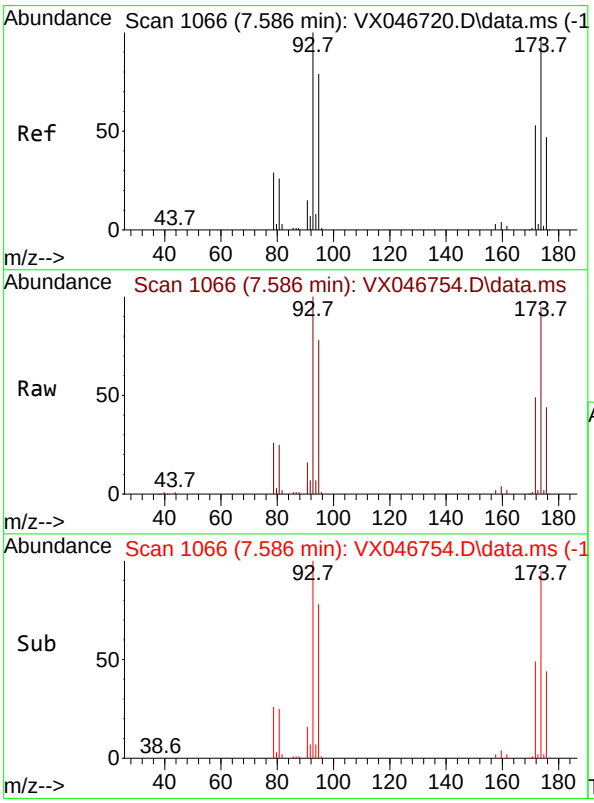

#45
1,2-Dichloropropane
Concen: 49.233 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 63 Resp: 79040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 22.9 | 34.3 |

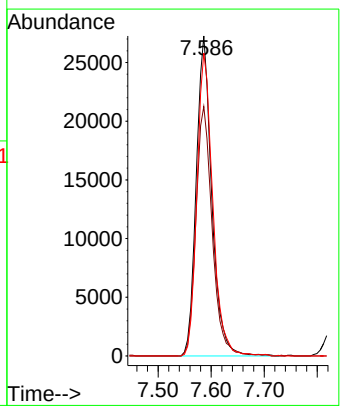


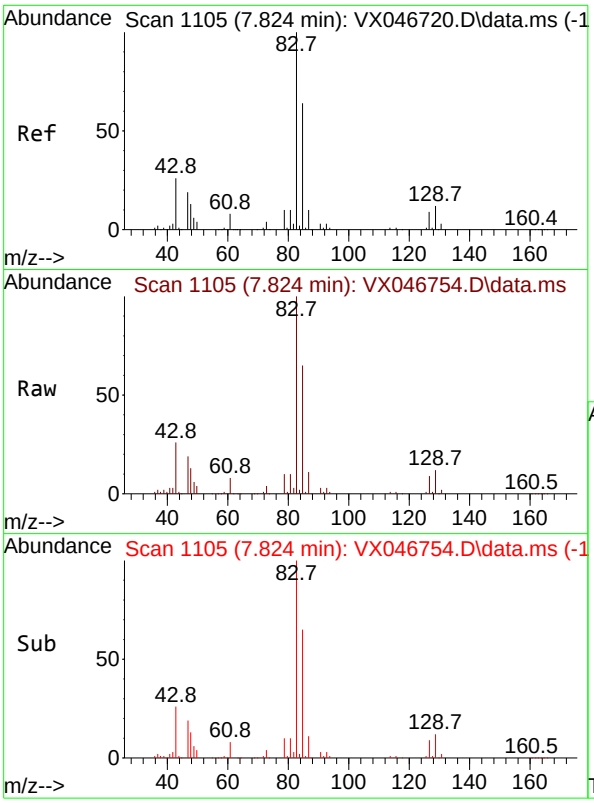




#46
Dibromomethane
Concen: 48.075 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 93 Resp: 55469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.4 | 66.2 | 99.4 |
| 174 | 96.1 | 77.0 | 115.6 |



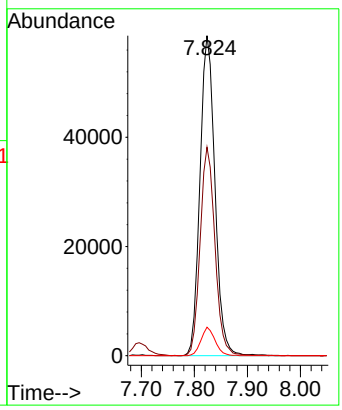


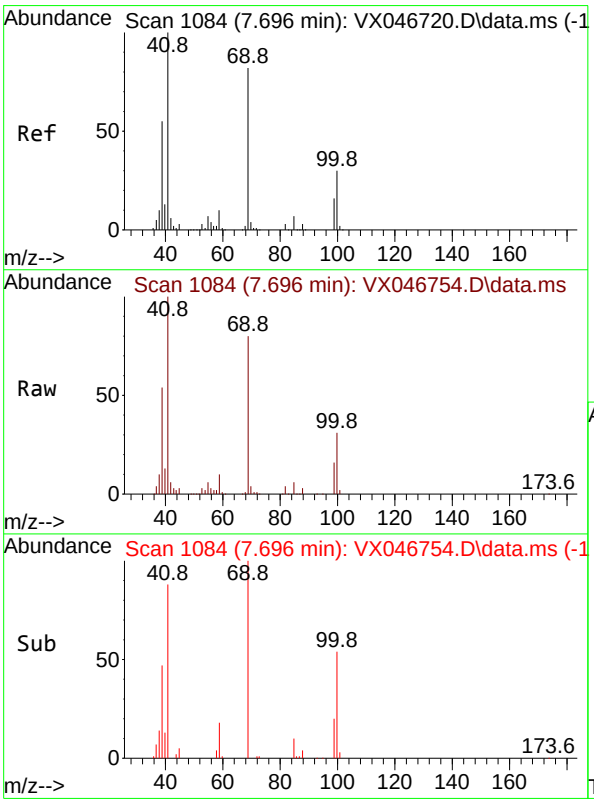

#47
Bromodichloromethane
Concen: 48.767 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 83 Resp: 114825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 51.4 | 77.2 |
| 127 | 8.9 | 6.9 | 10.3 |

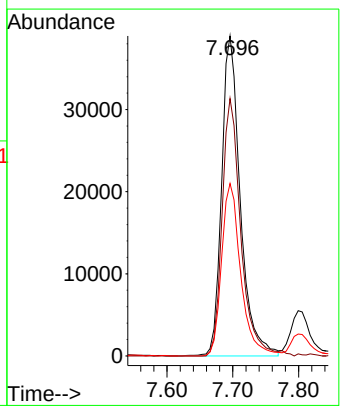


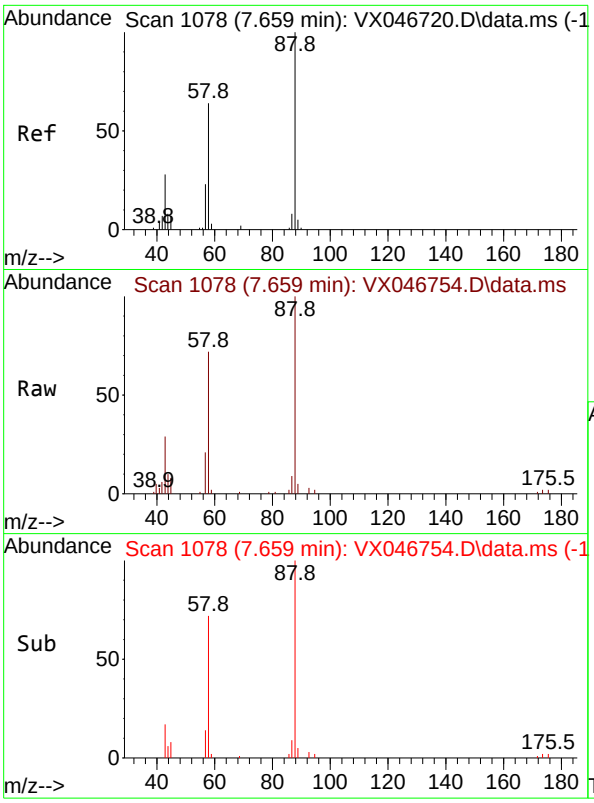




#48
Methyl methacrylate
Concen: 48.587 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 41 Resp: 77040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.5 | 63.4 | 95.2 |
| 39 | 55.4 | 45.4 | 68.0 |



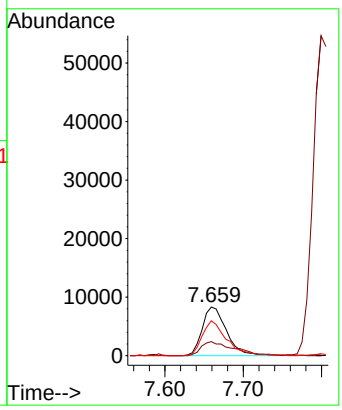


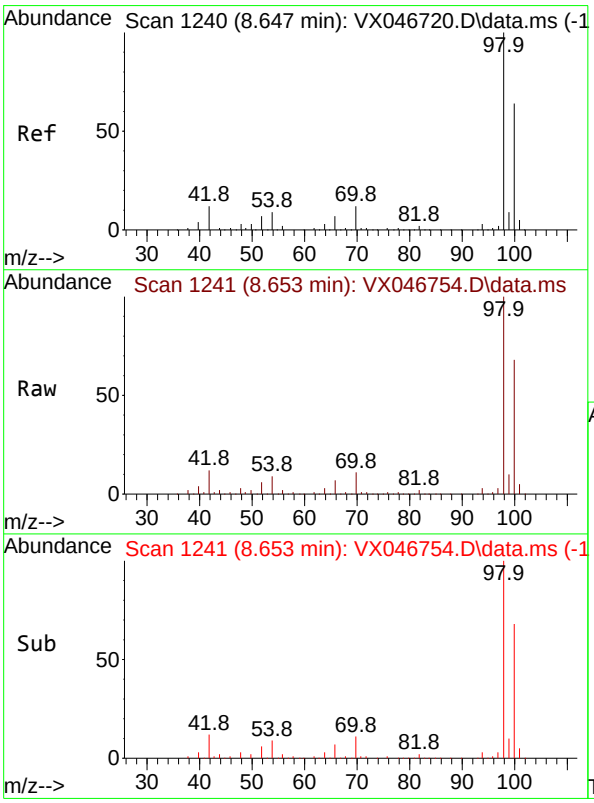

#49
1,4-Dioxane
Concen: 778.593 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 88 Resp: 17811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.3 | 31.2 | 46.8 |
| 58 | 72.4 | 54.7 | 82.1 |

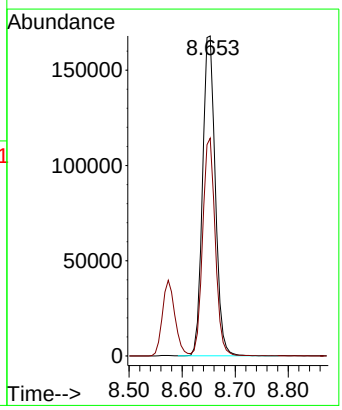


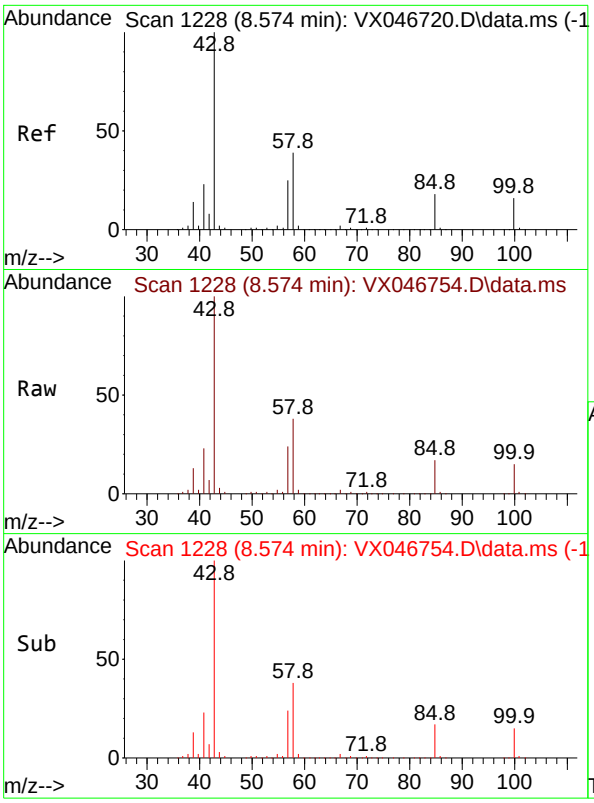




#50
Toluene-d8
Concen: 51.376 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 98 Resp: 279885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |



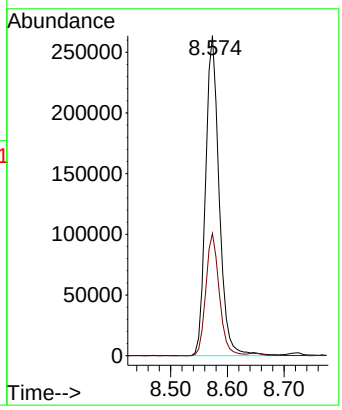


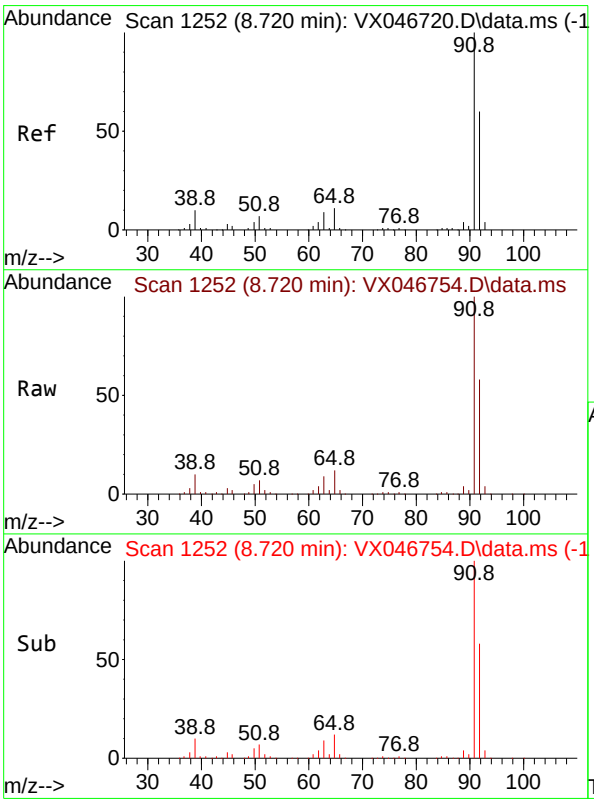

#51
4-Methyl-2-Pentanone
Concen: 232.751 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 438885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.8 | 46.2 |

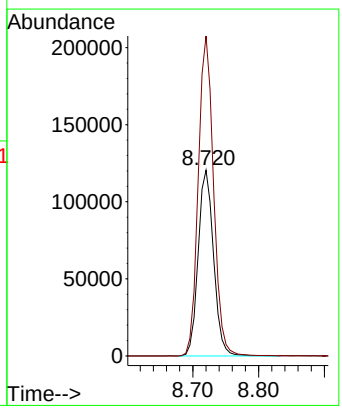


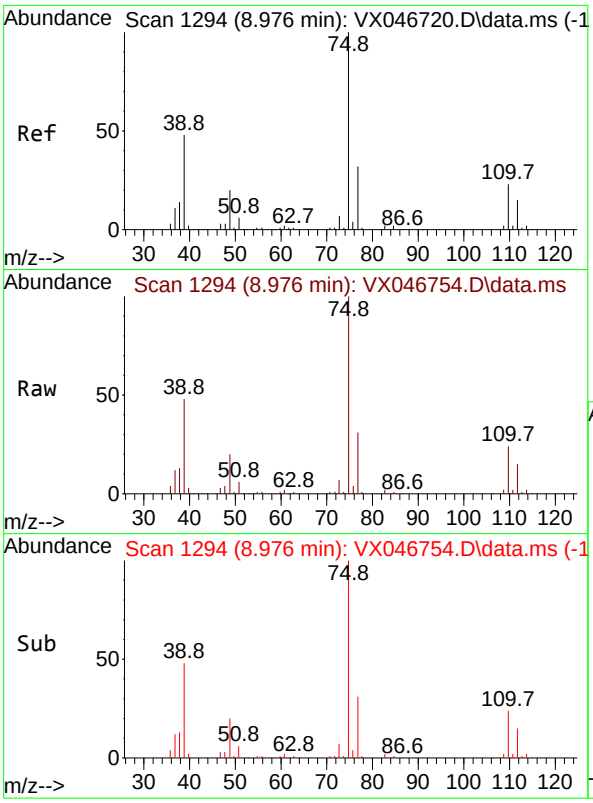




#52
Toluene
Concen: 48.803 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 92 Resp: 195988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.6 | 134.8 | 202.2 |



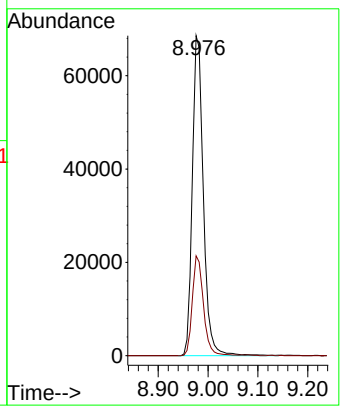


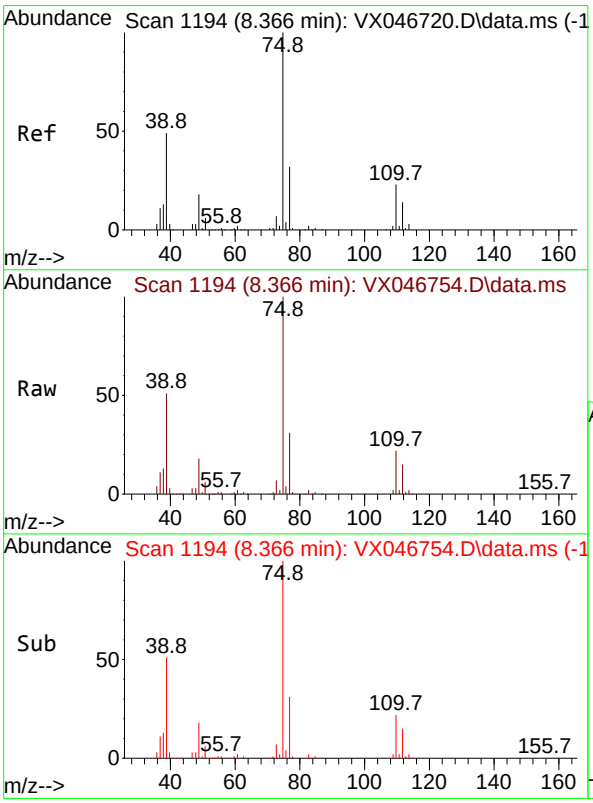

#53
t-1,3-Dichloropropene
Concen: 48.322 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 75 Resp: 105565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.6 | 38.4 |

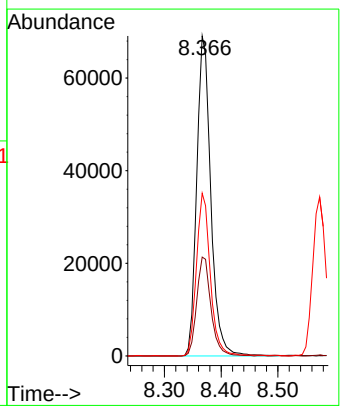


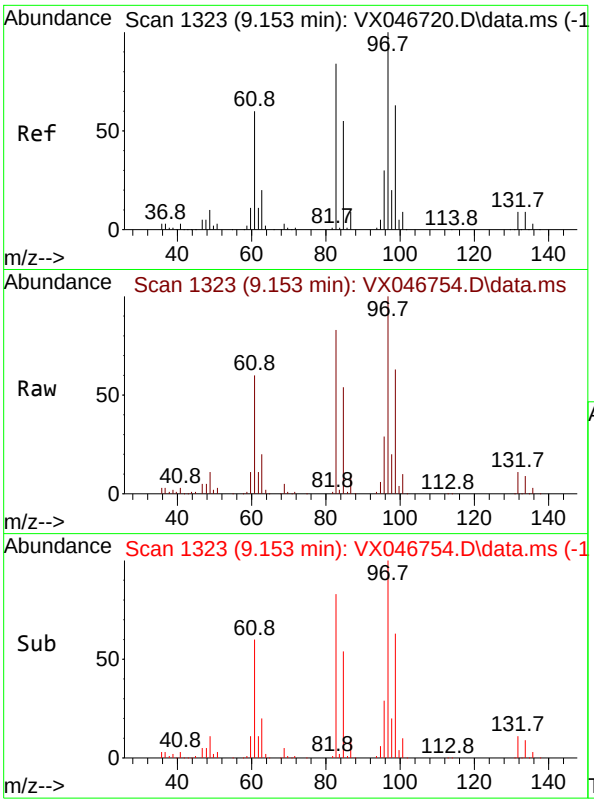




#54
cis-1,3-Dichloropropene
Concen: 48.004 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 119051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.3 | 37.9 |
| 39 | 50.2 | 39.2 | 58.8 |



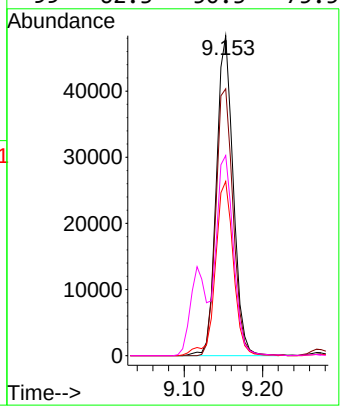


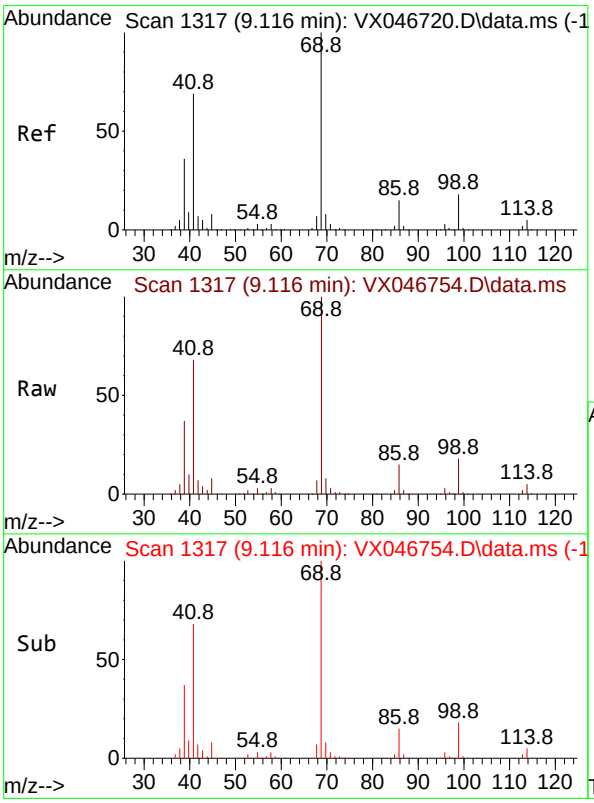

#55
1,1,2-Trichloroethane
Concen: 48.550 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 97 Resp: 72658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.9 | 67.2 | 100.8 |
| 85 | 54.4 | 44.1 | 66.1 |
| 99 | 62.3 | 50.3 | 75.5 |

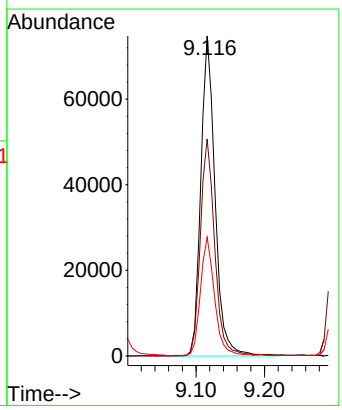


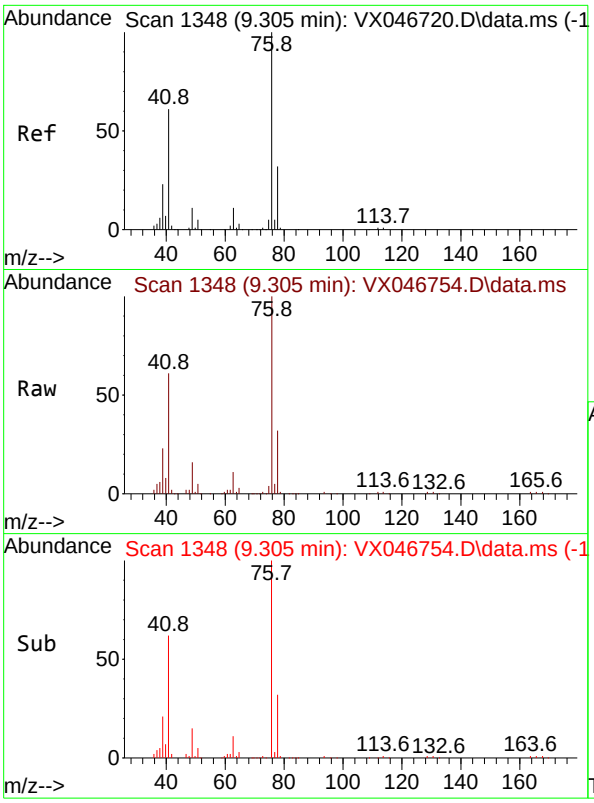




#56
Ethyl methacrylate
Concen: 48.989 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 69 Resp: 108226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.2 | 55.4 | 83.2 |
| 39 | 37.3 | 29.7 | 44.5 |



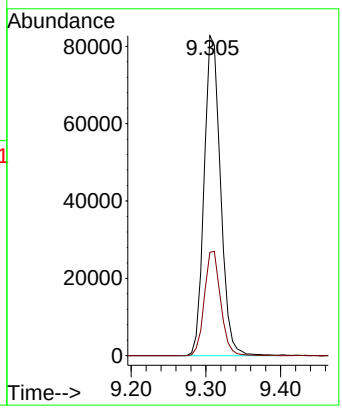


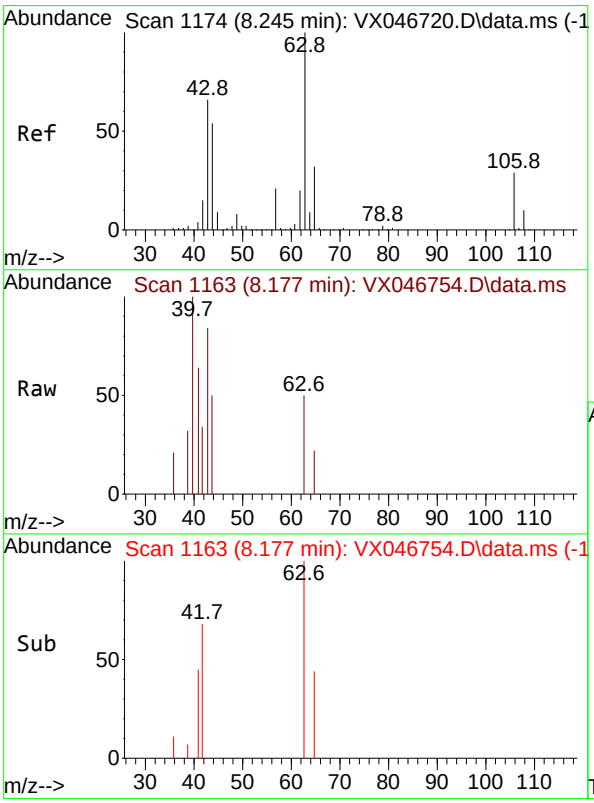

#57
1,3-Dichloropropane
Concen: 49.000 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 76 Resp: 126284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.7 | 38.5 |

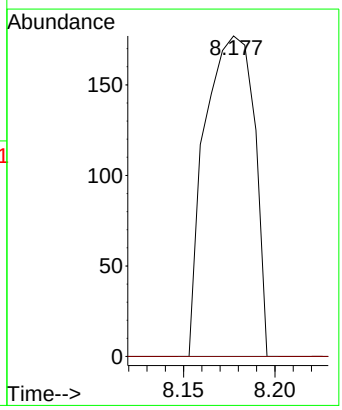


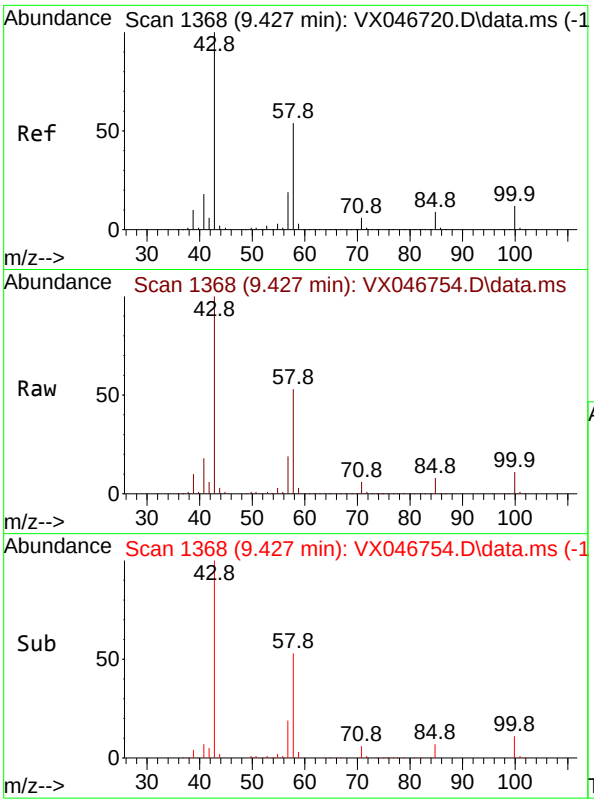




#58
2-Chloroethyl Vinyl ether
Concen: 0.288 ug/l
RT: 8.177 min Scan# 1163
Delta R.T. -0.067 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 63 Resp: 331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.6 | 34.0# |



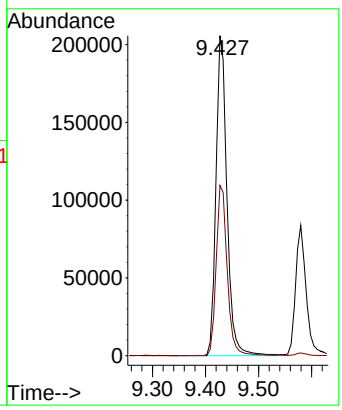


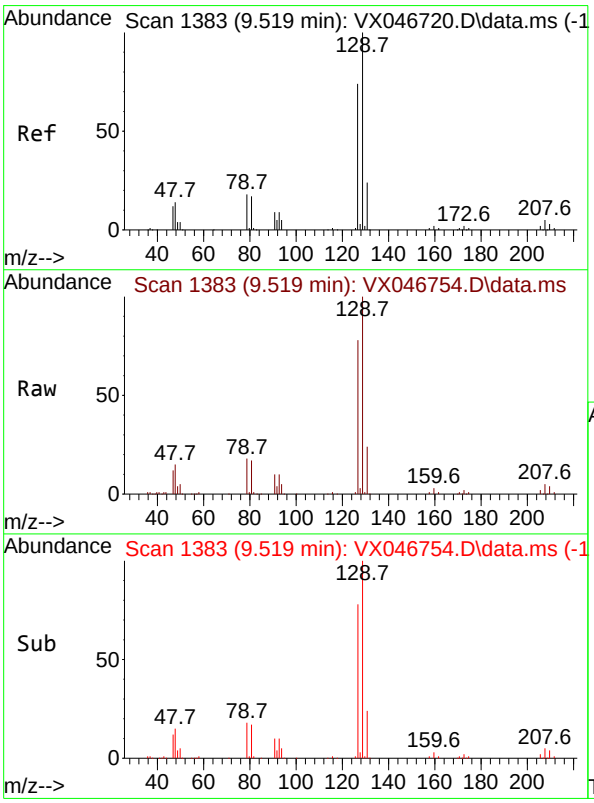

#59
2-Hexanone
Concen: 227.408 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 43 Resp: 296453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.8 | 80.4 |

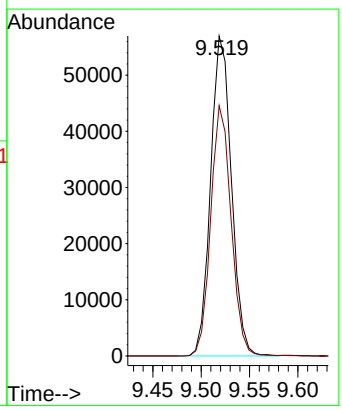


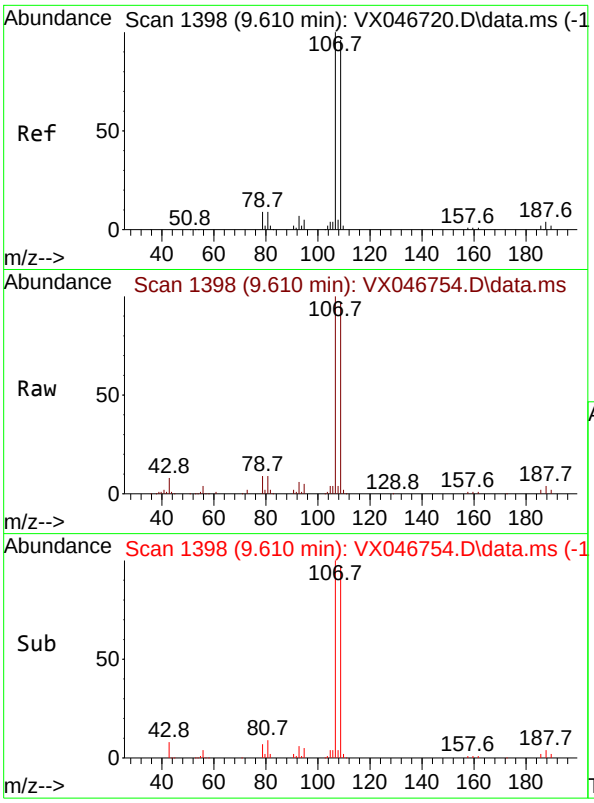




#60
Dibromochloromethane
Concen: 48.252 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:129 Resp: 85100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |



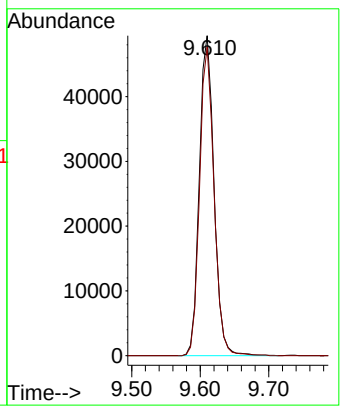


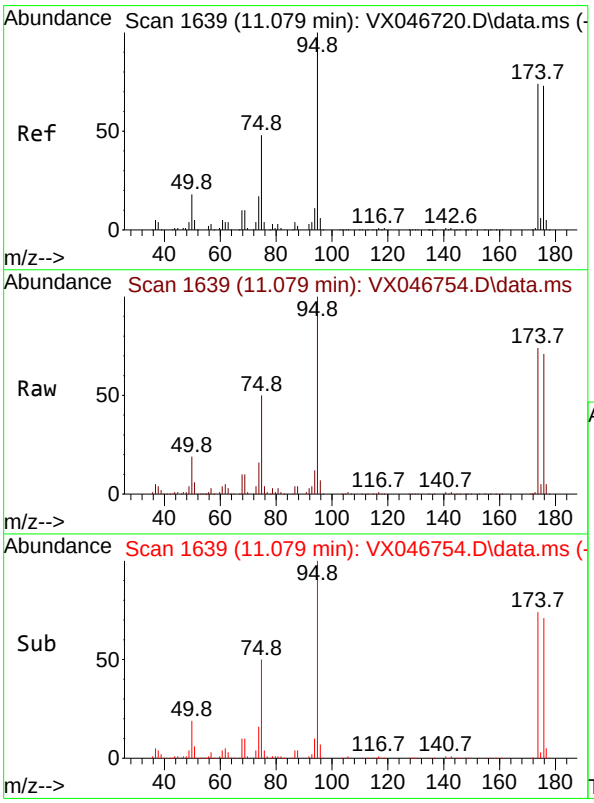

#61
1,2-Dibromoethane
Concen: 48.479 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:107 Resp: 73799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 75.8 | 113.6 |

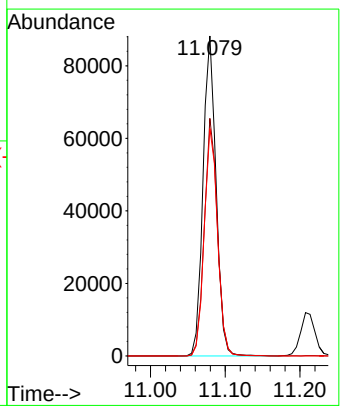


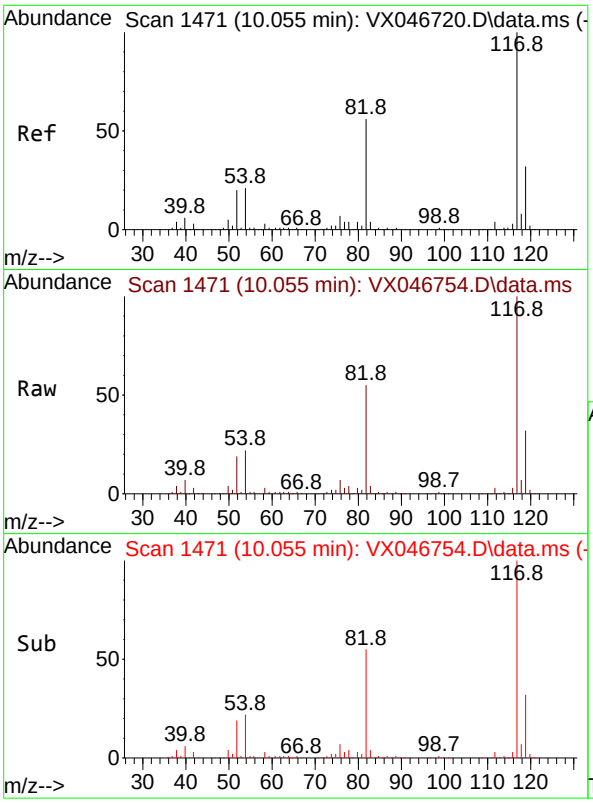




#62
4-Bromofluorobenzene
Concen: 52.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 95 Resp: 106632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.7 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 145.0 |



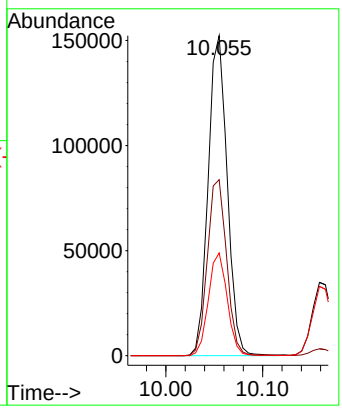


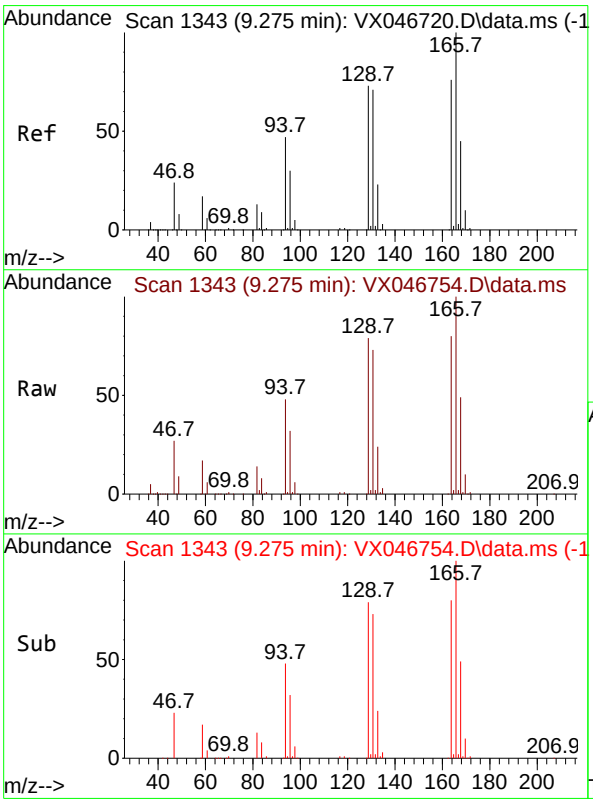

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:117 Resp: 208450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

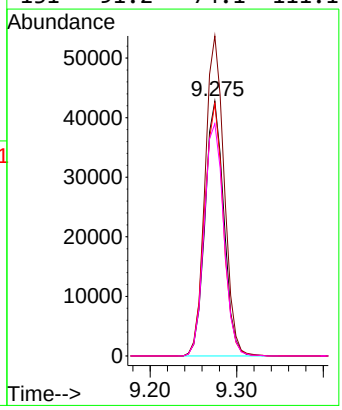


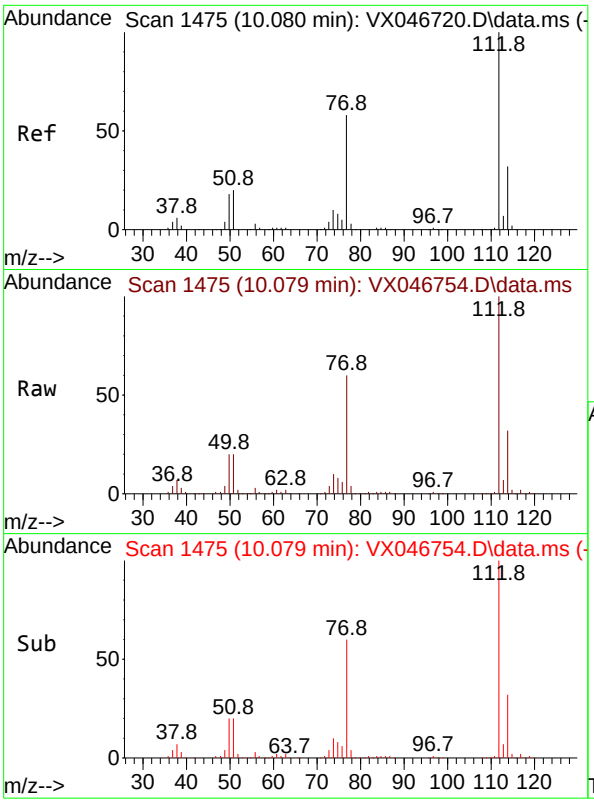




#64
Tetrachloroethene
Concen: 44.698 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:164 Resp: 64553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.6 | 104.6 | 157.0 |
| 129 | 99.2 | 76.3 | 114.5 |
| 131 | 91.2 | 74.1 | 111.1 |



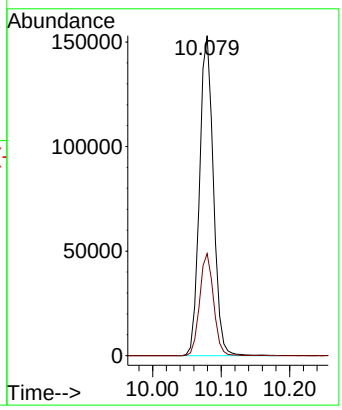


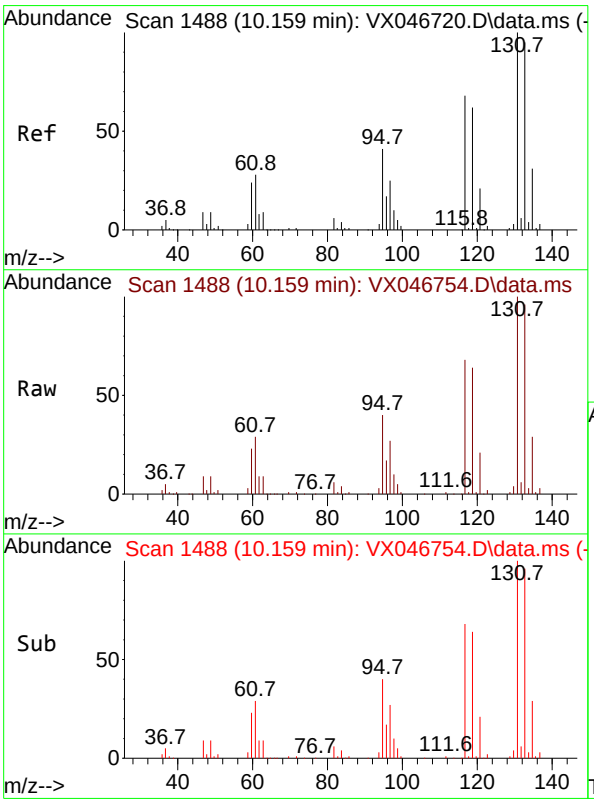

#65
Chlorobenzene
Concen: 46.805 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:112 Resp: 215369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.5 | 38.3 |

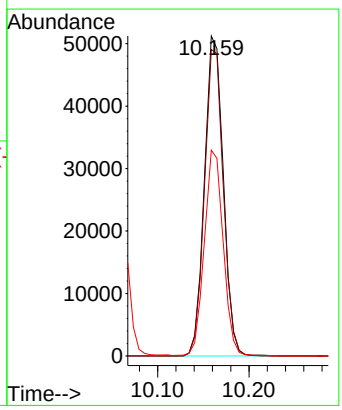


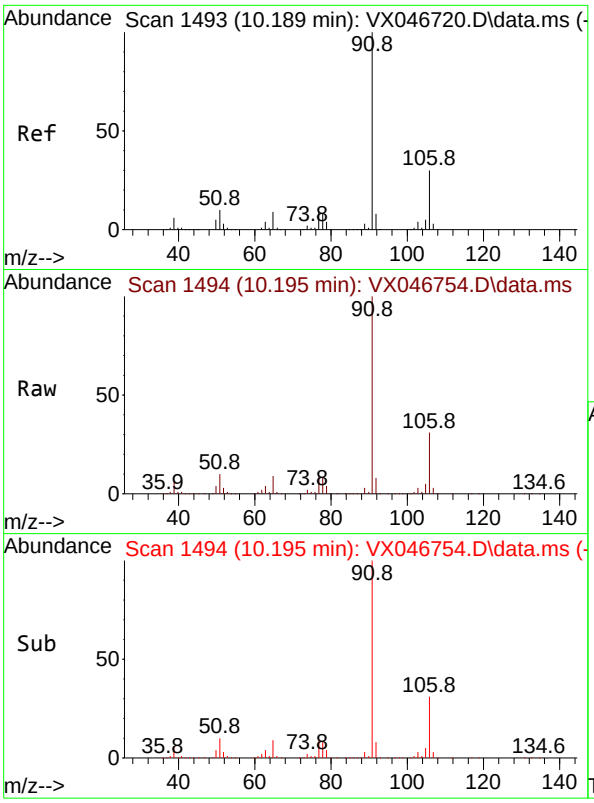




#66
1,1,1,2-Tetrachloroethane
Concen: 47.316 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:131 Resp: 73173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.3 | 141.8 |
| 119 | 64.6 | 32.1 | 96.3 |



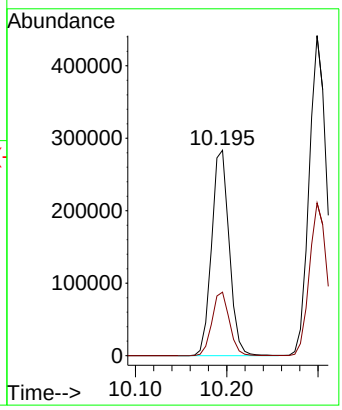


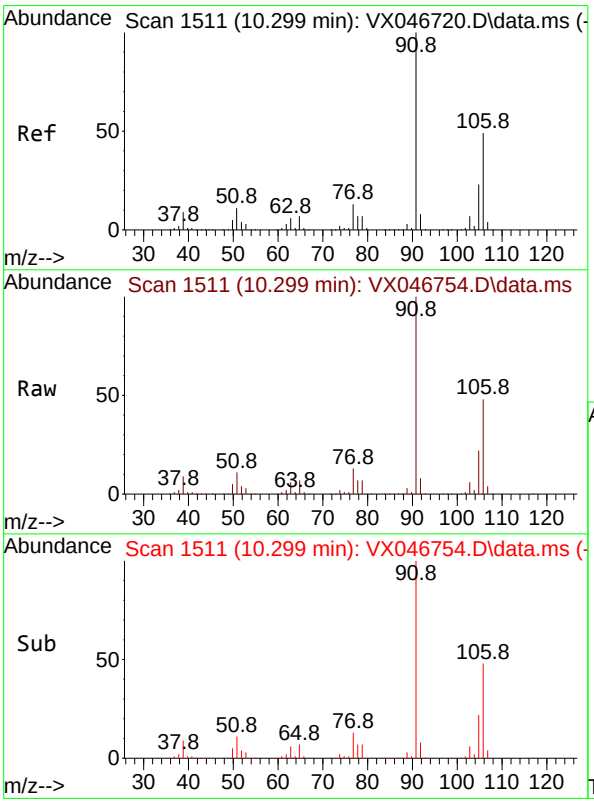

#67
Ethyl Benzene
Concen: 47.122 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 91 Resp: 378857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 24.2 | 36.2 |

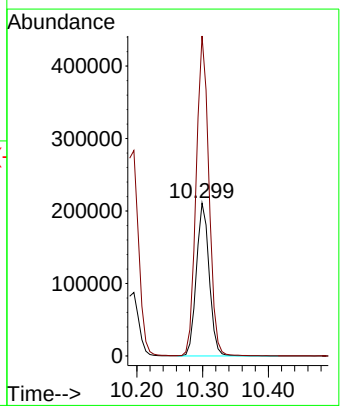


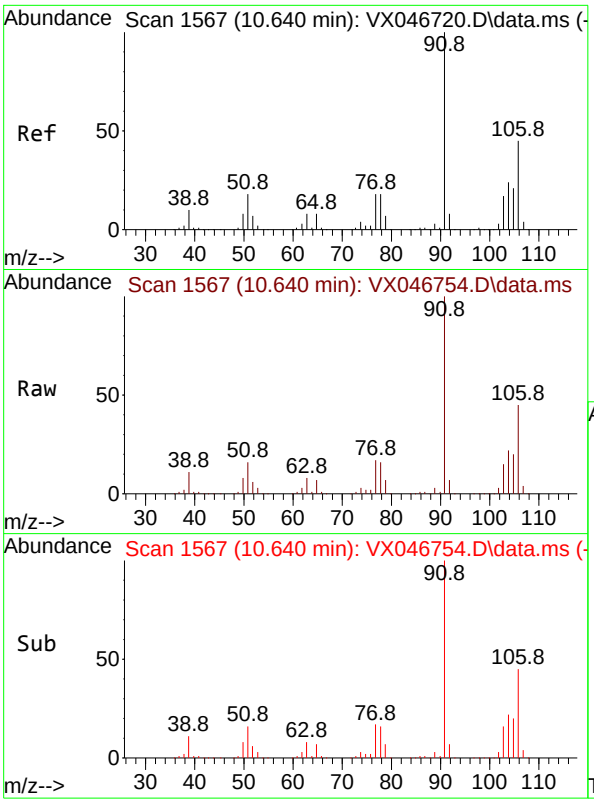




#68
m/p-Xylenes
Concen: 94.966 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:106 Resp: 284493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 164.8 | 247.2 |



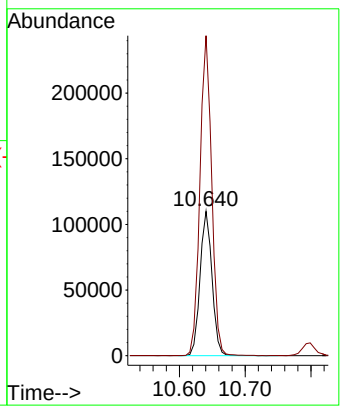


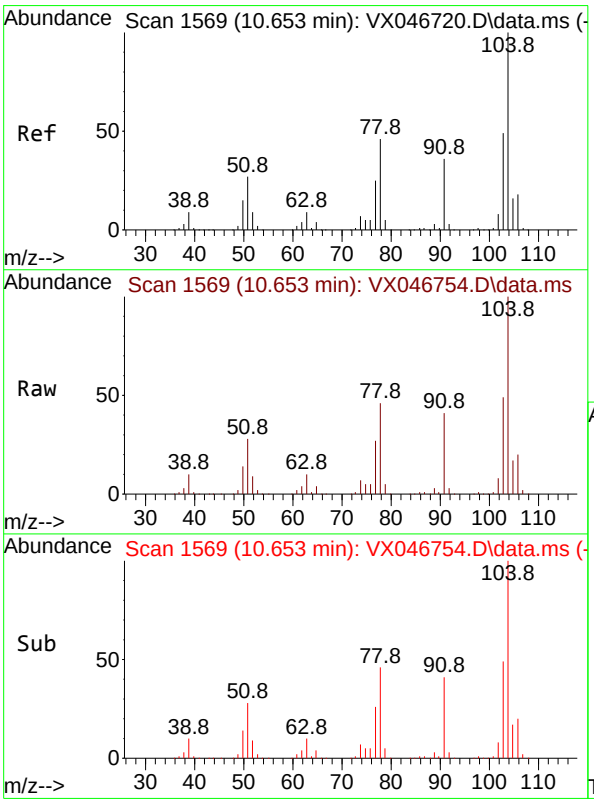

#69
o-Xylene
Concen: 49.257 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:106 Resp: 138291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.4 | 111.3 | 333.9 |

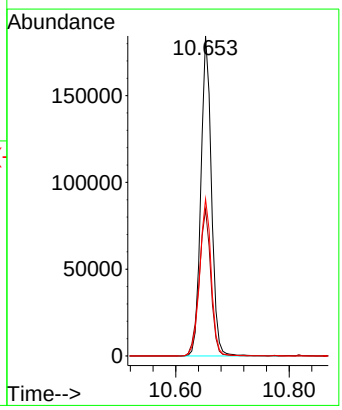


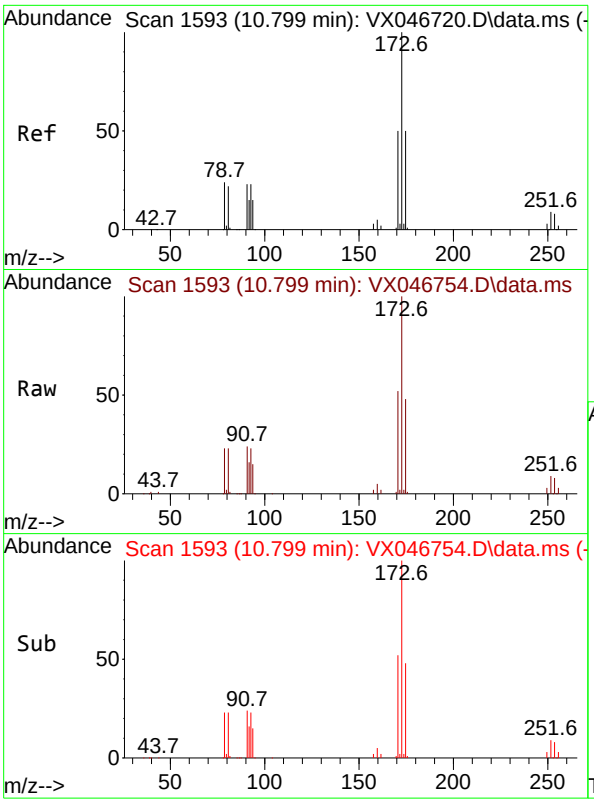




#70
Styrene
Concen: 48.609 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:104 Resp: 238827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.6 | 41.4 | 62.2 |
| 103 | 53.5 | 43.1 | 64.7 |



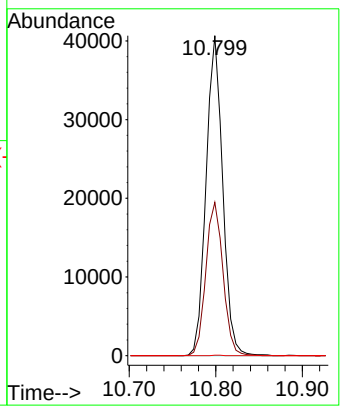


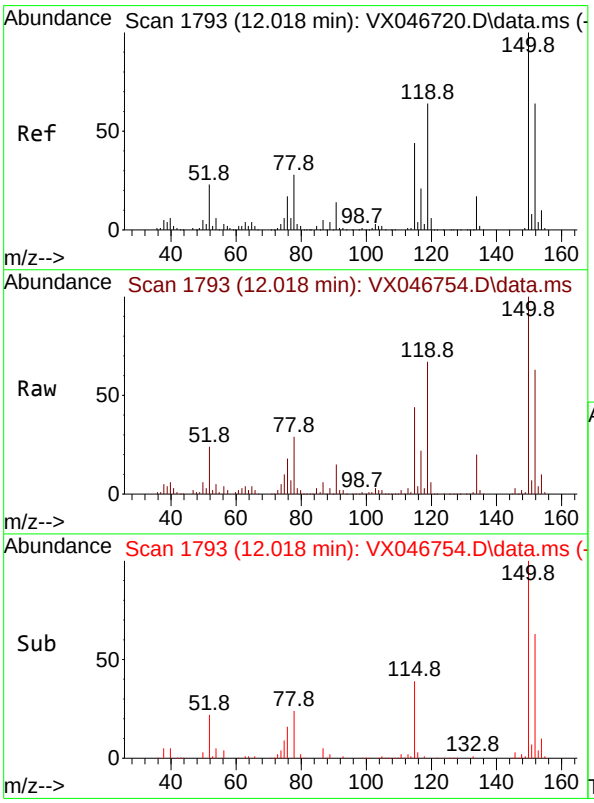

#71
Bromoform
Concen: 45.930 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:173 Resp: 54094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.6 | 24.1 | 72.4 |
| 254 | 0.1 | 0.1 | 0.1# |

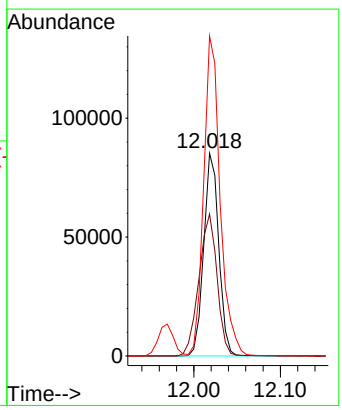


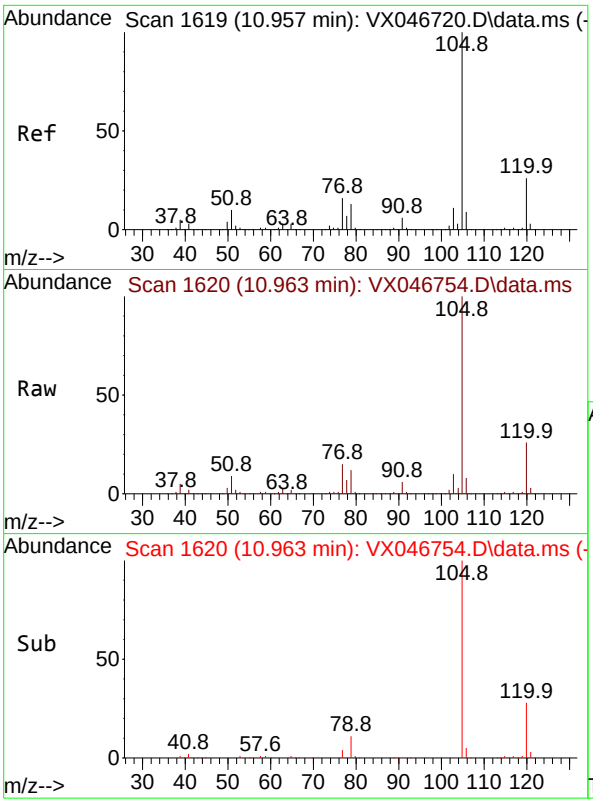




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:152 Resp: 102802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 84.5 | 43.2 | 129.6 |
| 150 | 173.1 | 0.0 | 346.8 |



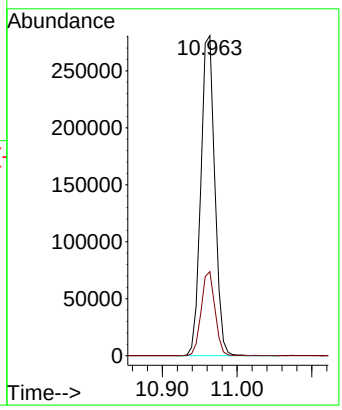


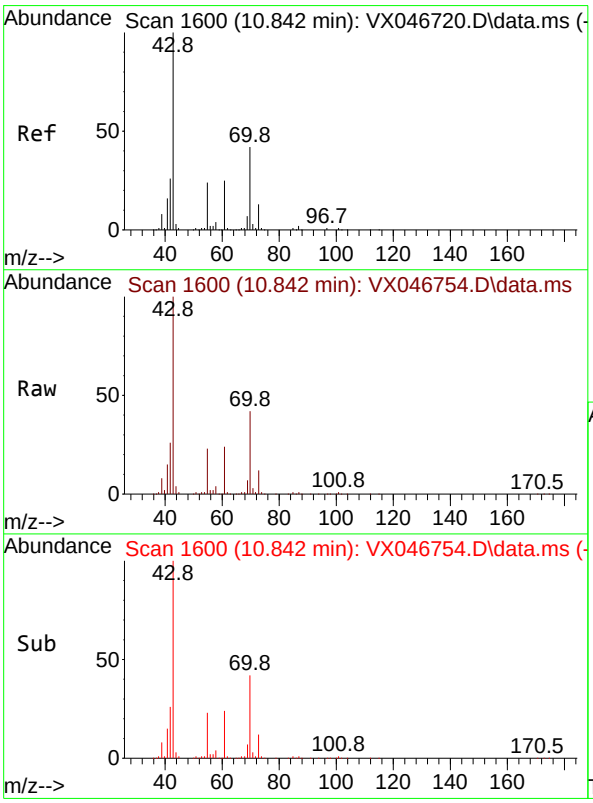

#73
Isopropylbenzene
Concen: 48.101 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:105 Resp: 364190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |

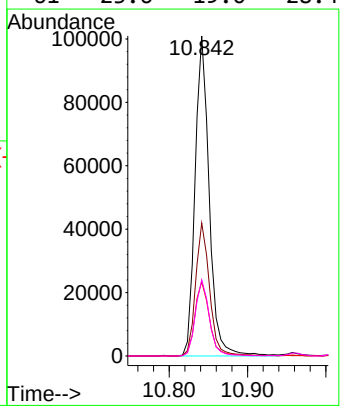


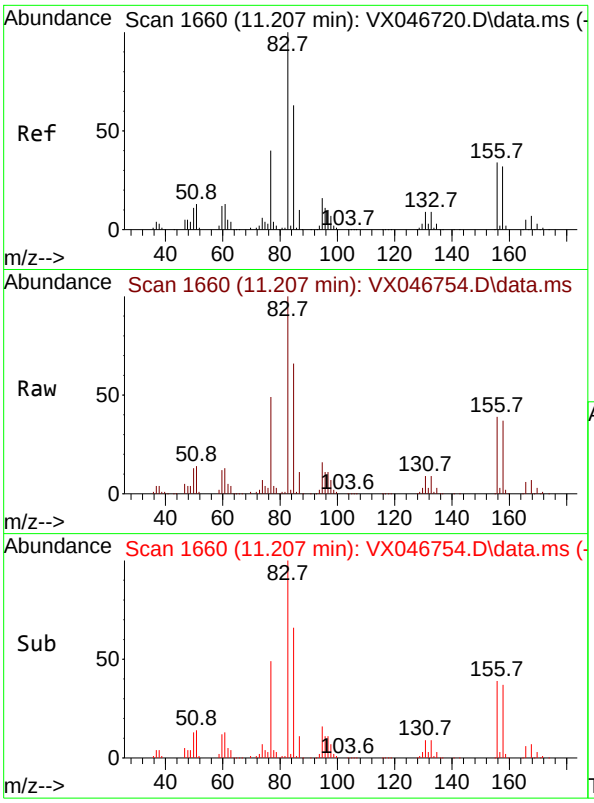




#74
N-amyl acetate
Concen: 44.281 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 43 Resp: 127025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.2 | 33.4 | 50.0 |
| 55 | 24.1 | 19.1 | 28.7 |
| 61 | 23.6 | 19.0 | 28.4 |



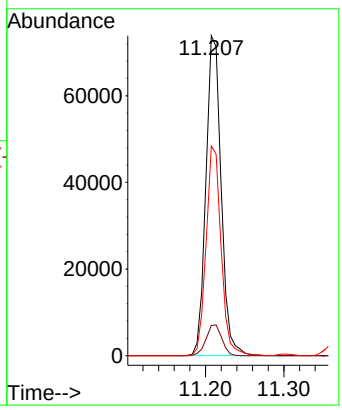


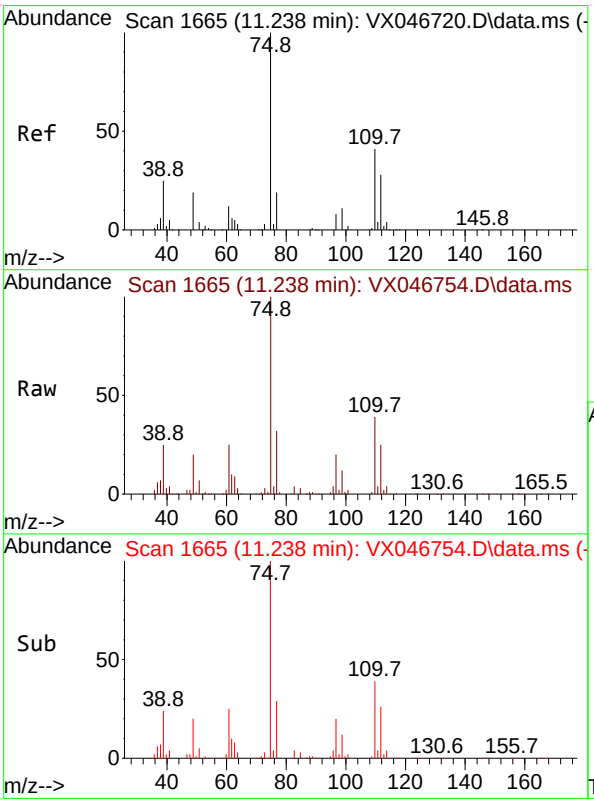

#75
1,1,2,2-Tetrachloroethane
Concen: 47.113 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 83 Resp: 99601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.4 | 32.0 | 96.0 |

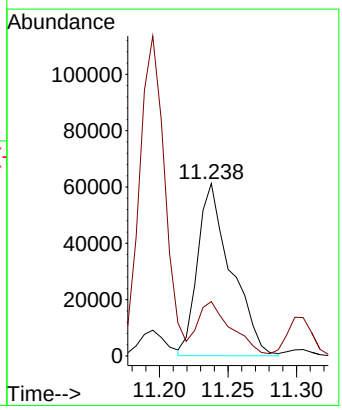


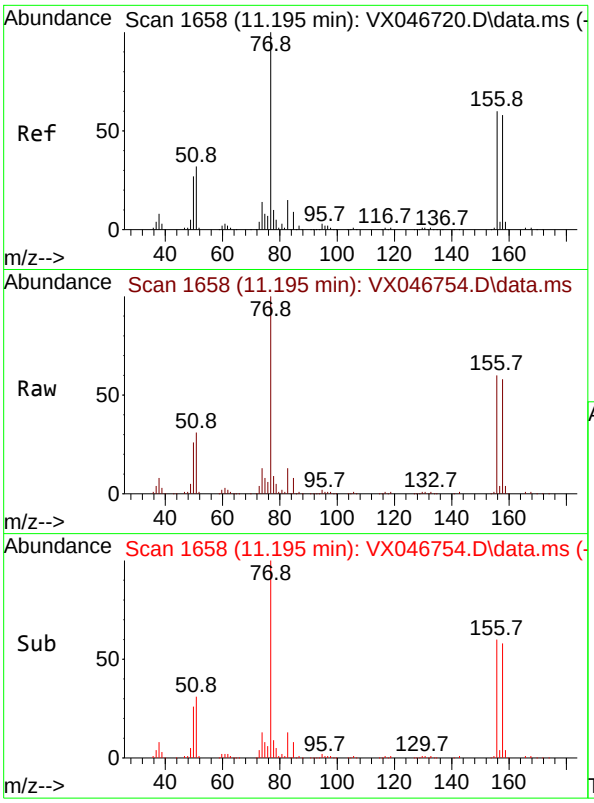




#76
1,2,3-Trichloropropane
Concen: 55.358 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 104230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 18.5 | 55.5 |



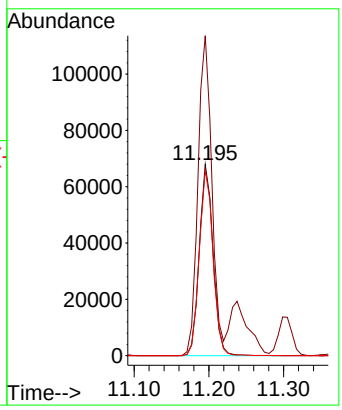


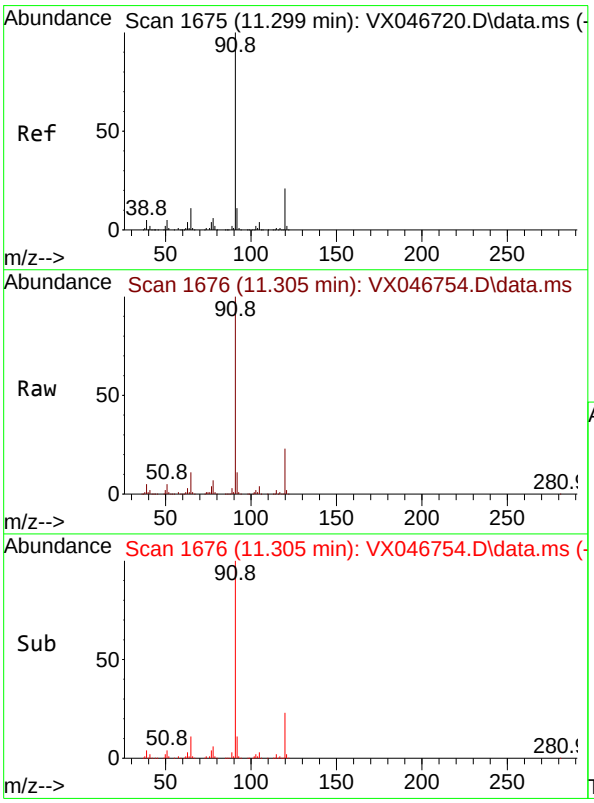

#77
Bromobenzene
Concen: 47.653 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:156 Resp: 86823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.3 | 82.8 | 248.6 |
| 158 | 97.0 | 47.6 | 142.9 |

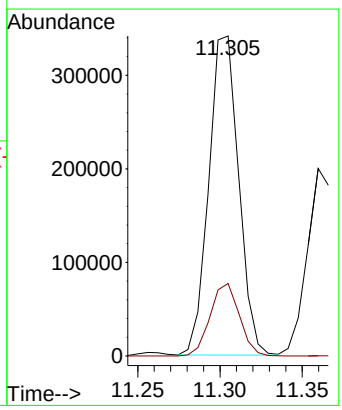


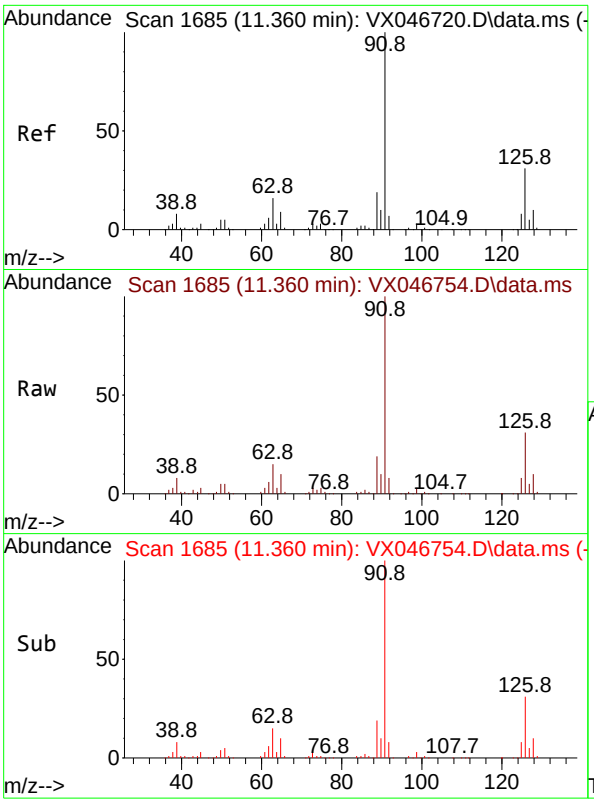




#78
n-propylbenzene
Concen: 47.971 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 431403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.4 | 34.1 |



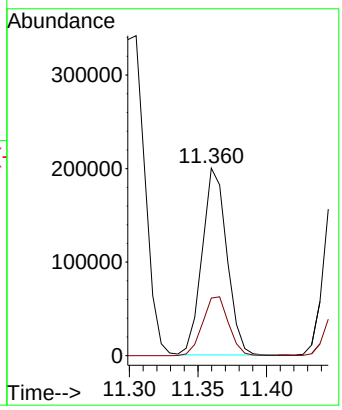


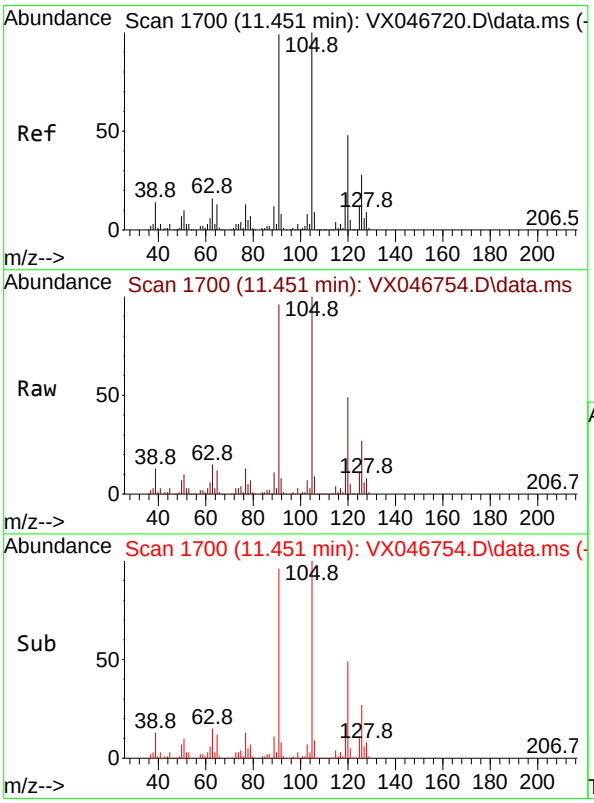

#79
2-Chlorotoluene
Concen: 46.774 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 91 Resp: 251143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.6 | 49.7 |

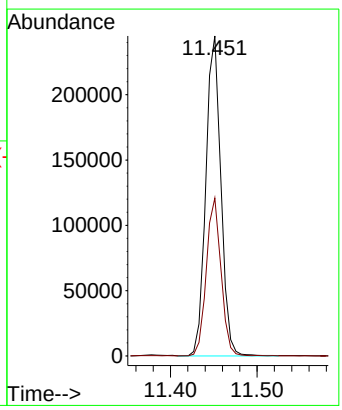


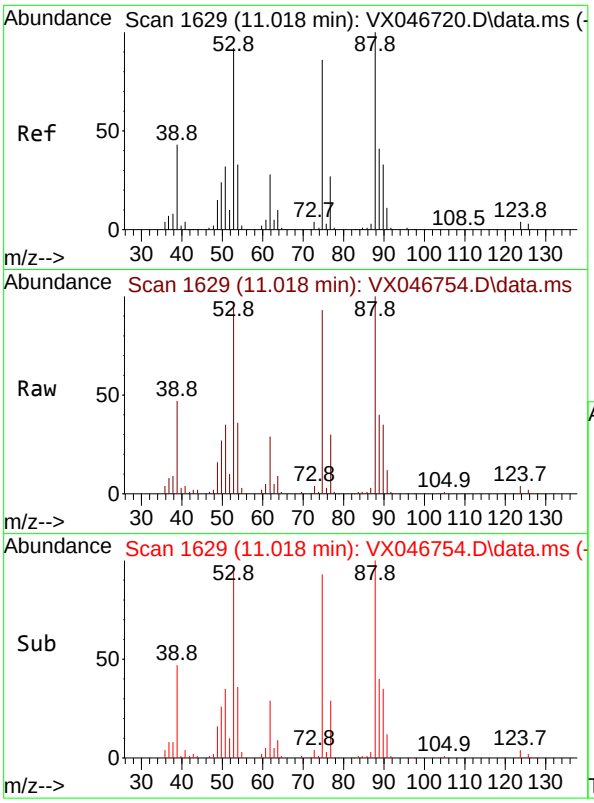




#80
1,3,5-Trimethylbenzene
Concen: 47.623 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 296303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.1 | 72.2 |



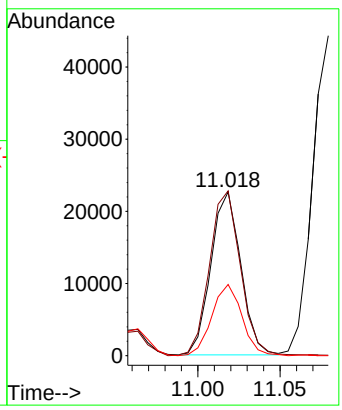


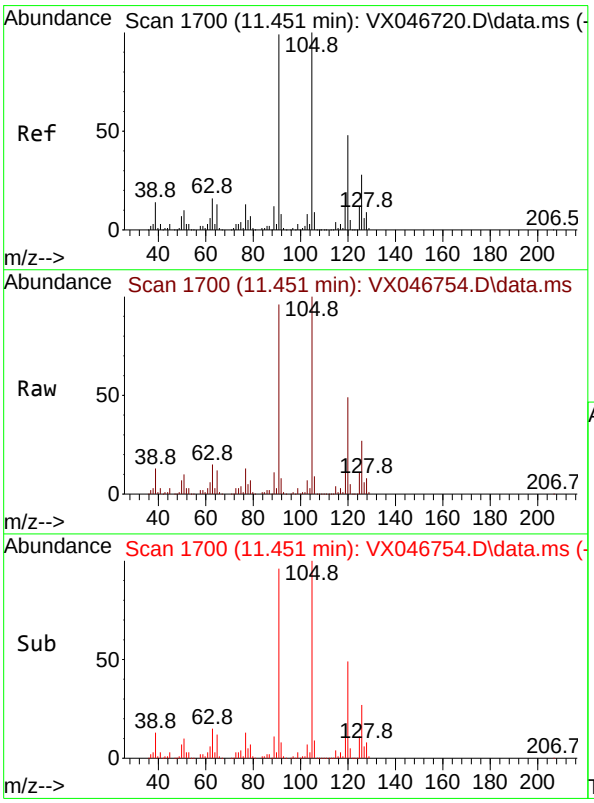

#81
trans-1,4-Dichloro-2-butene
Concen: 42.782 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 75 Resp: 28498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.2 | 86.8 | 130.2 |
| 89 | 44.3 | 36.9 | 55.3 |

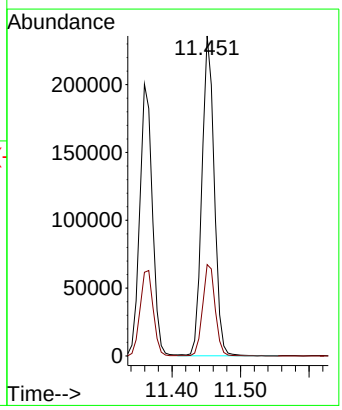


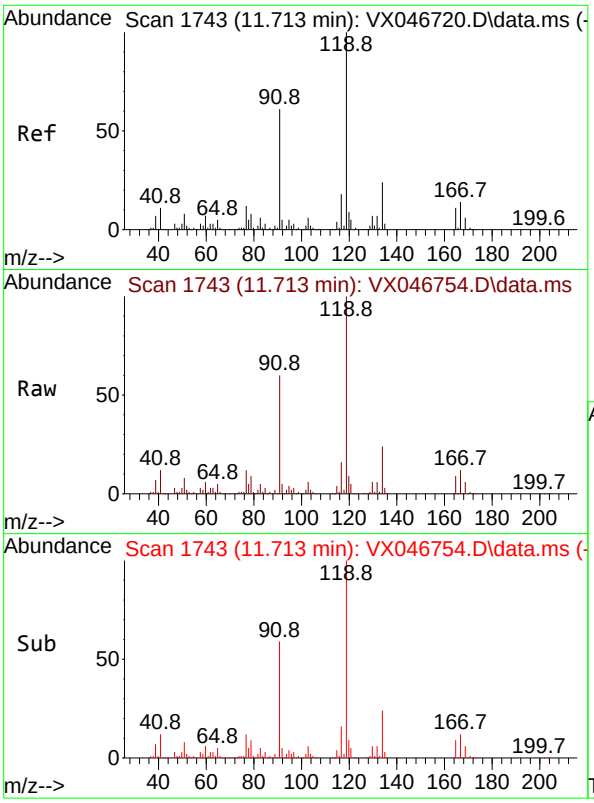




#82
4-Chlorotoluene
Concen: 47.107 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 91 Resp: 295188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.4 | 43.2 |



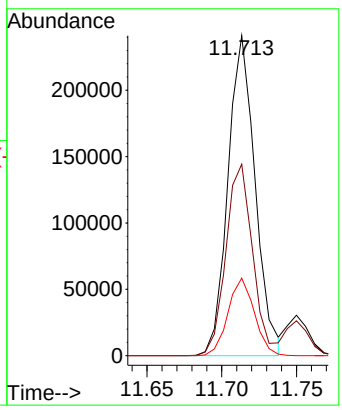


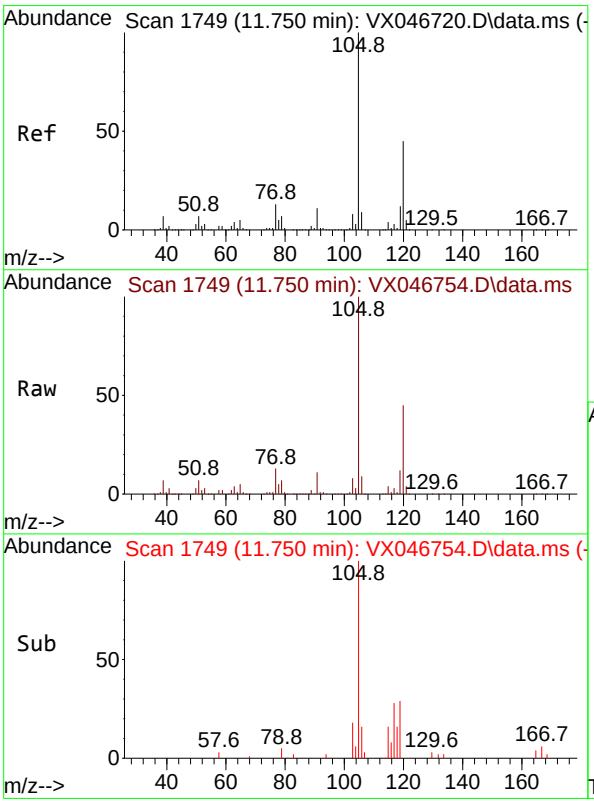

#83
tert-Butylbenzene
Concen: 47.460 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:119 Resp: 305236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.5 | 88.6 |
| 134 | 23.5 | 11.7 | 35.0 |

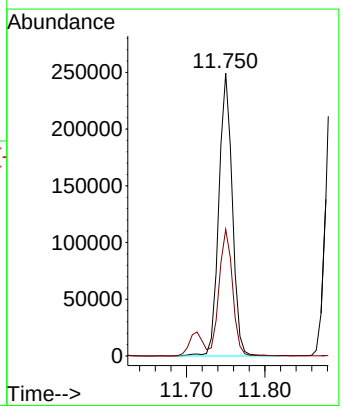


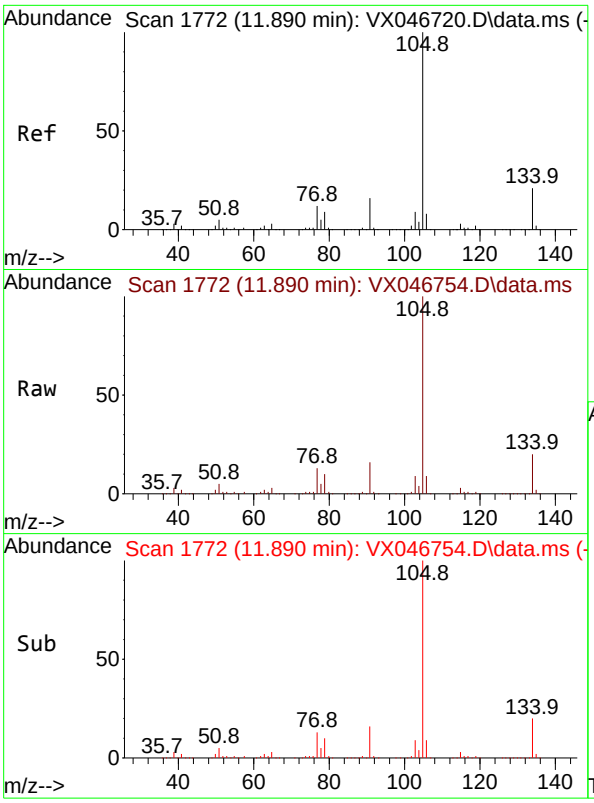




#84
1,2,4-Trimethylbenzene
Concen: 47.732 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:105 Resp: 298376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 22.1 | 66.3 |



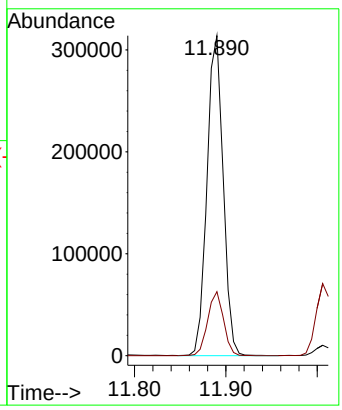


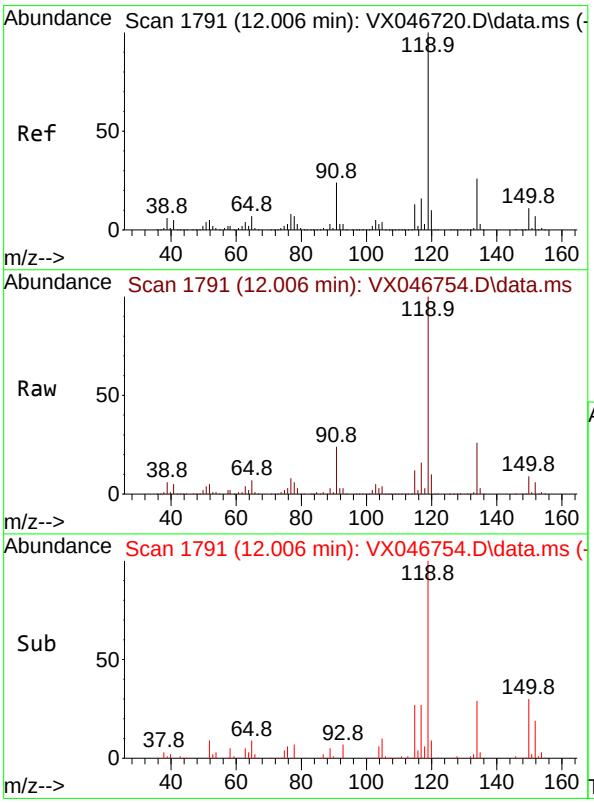

#85
sec-Butylbenzene
Concen: 47.347 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:105 Resp: 384840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

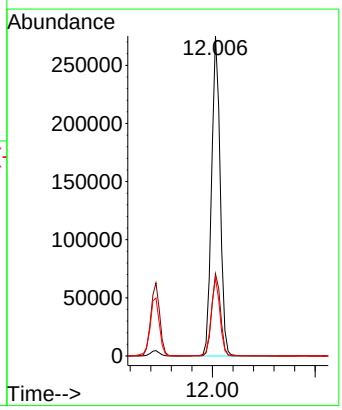


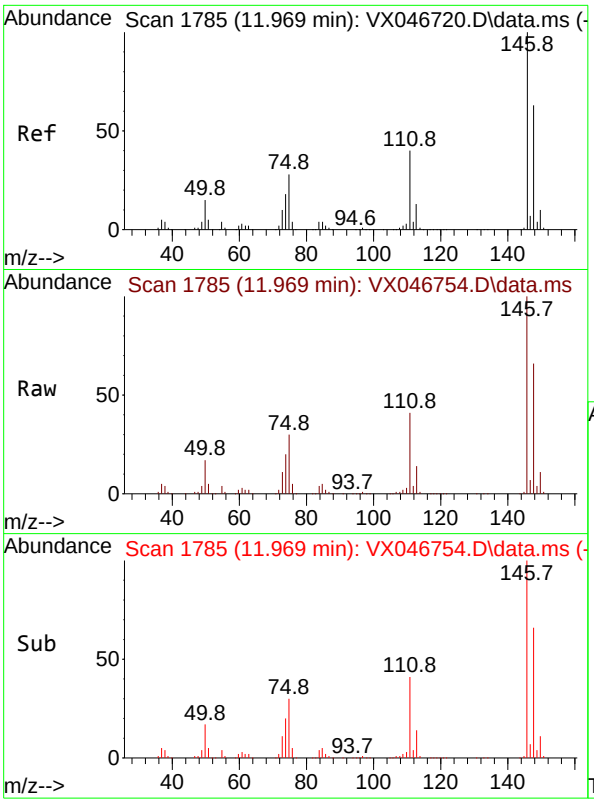




#86
p-Isopropyltoluene
Concen: 46.646 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:119 Resp: 319898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 24.4 | 12.3 | 36.9 |



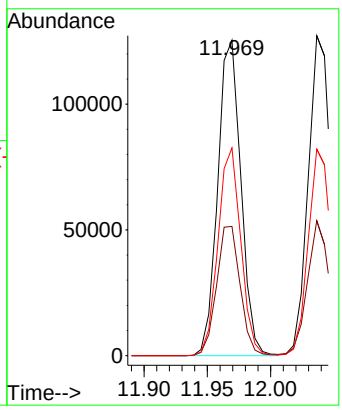


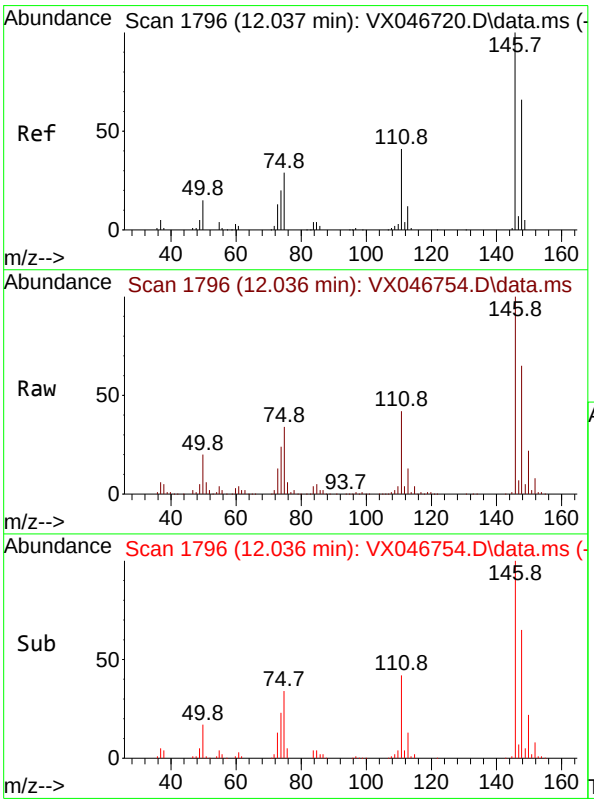

#87
1,3-Dichlorobenzene
Concen: 44.932 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:146 Resp: 159621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 20.6 | 61.8 |
| 148 | 64.7 | 31.6 | 94.8 |

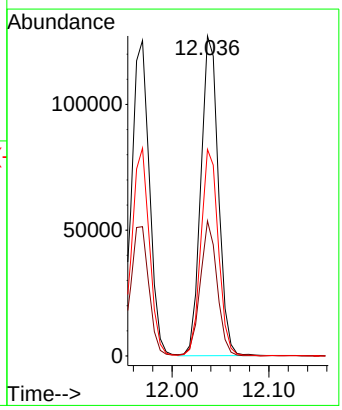


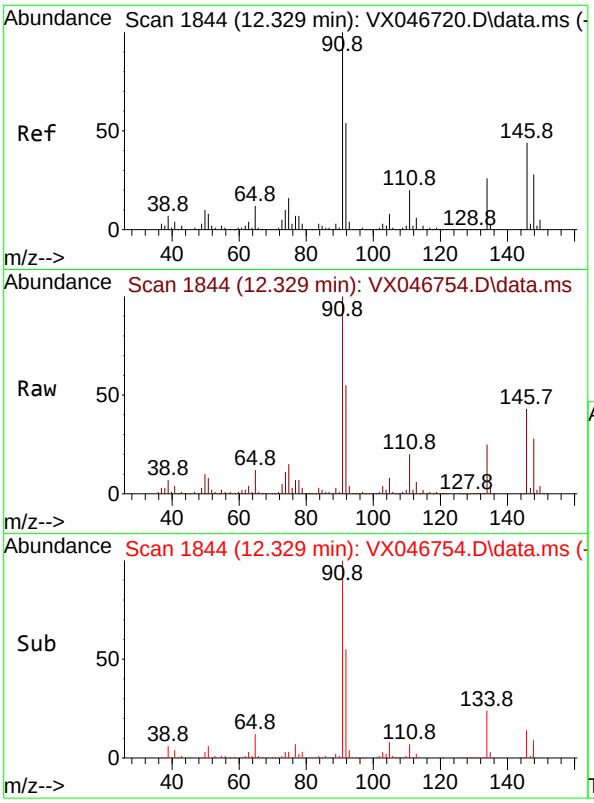




#88
1,4-Dichlorobenzene
Concen: 43.882 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:146 Resp: 160122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.6 | 32.1 | 96.5 |



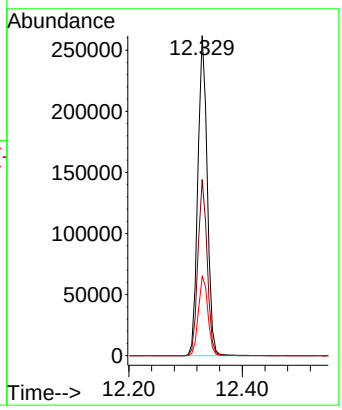


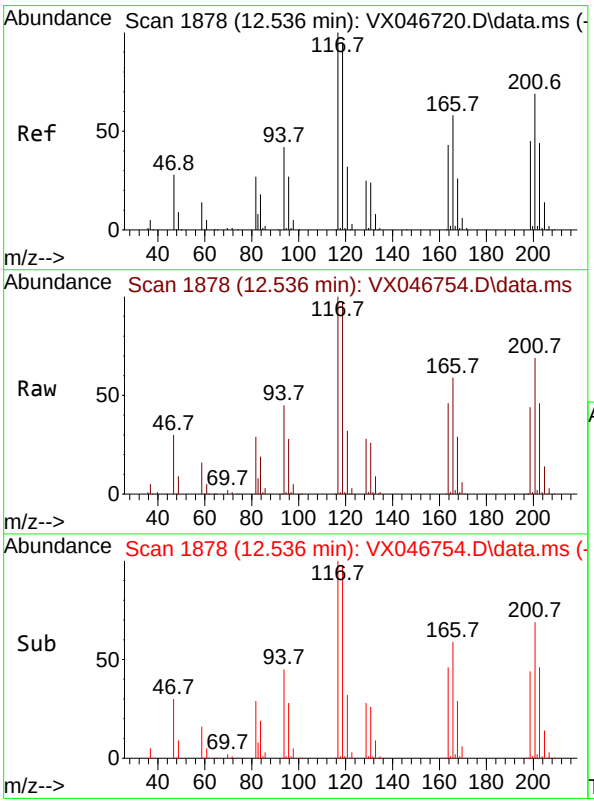

#89
n-Butylbenzene
Concen: 46.228 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion: 91 Resp: 301016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.1 | 81.3 |
| 134 | 25.2 | 12.9 | 38.6 |

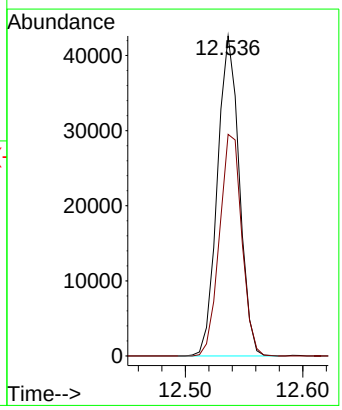


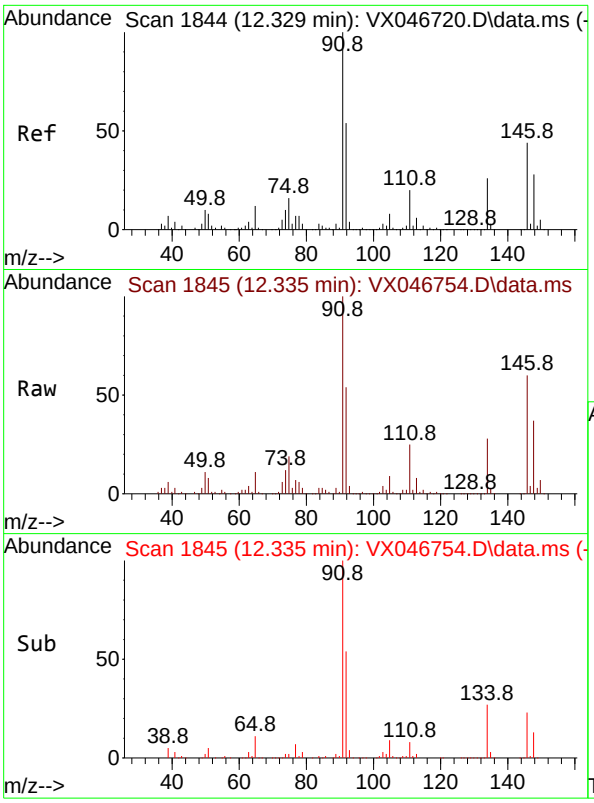




#90
Hexachloroethane
Concen: 45.931 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:117 Resp: 55160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |



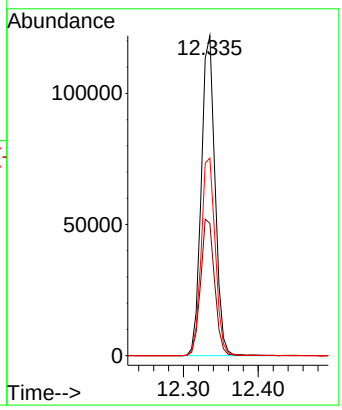


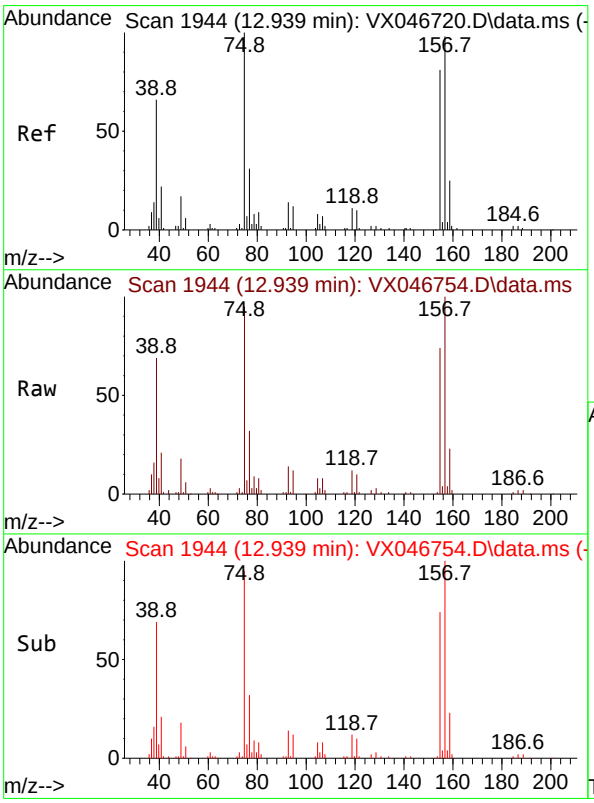

#91
1,2-Dichlorobenzene
Concen: 46.876 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:146 Resp: 155619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 21.7 | 65.1 |
| 148 | 63.4 | 32.0 | 96.2 |

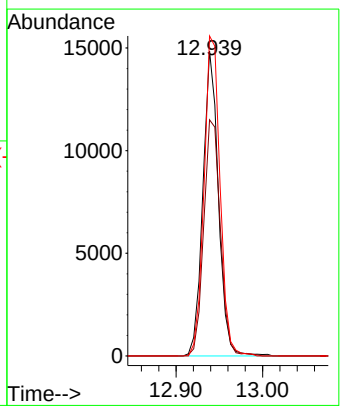


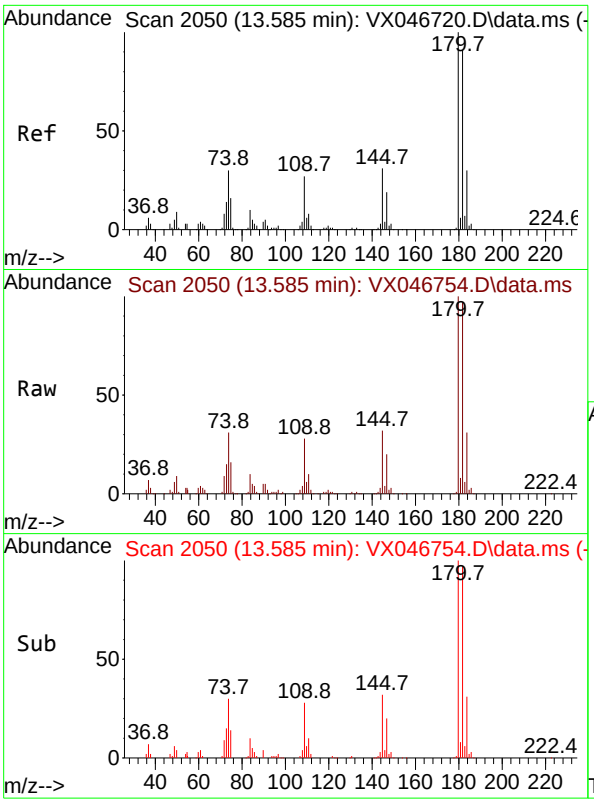




#92
1,2-Dibromo-3-Chloropropane
Concen: 44.327 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion: 75 Resp: 18501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.9 | 41.9 | 125.7 |
| 157 | 108.4 | 51.4 | 154.3 |



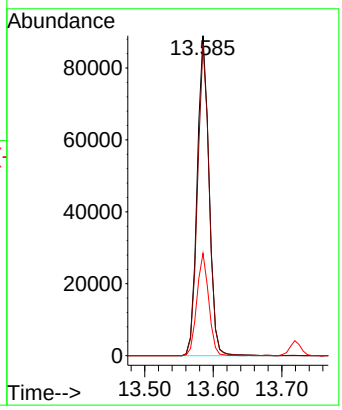


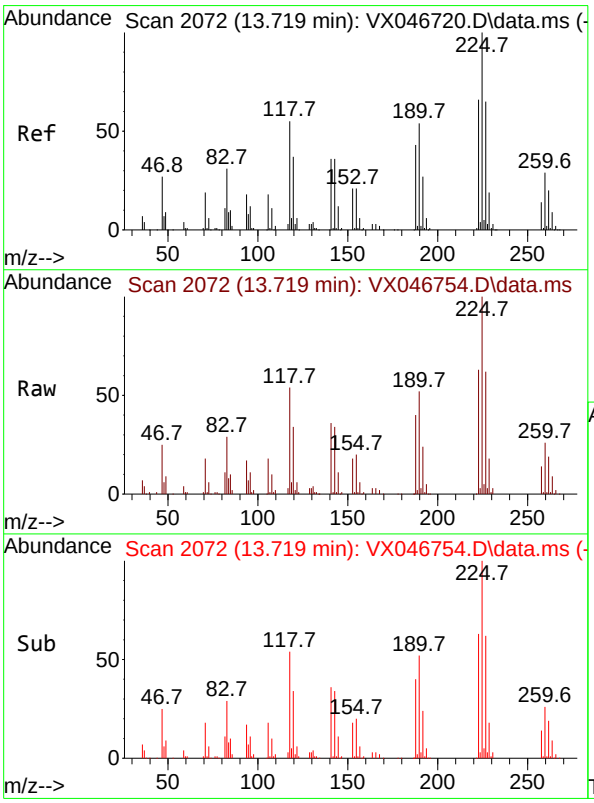

#93
1,2,4-Trichlorobenzene
Concen: 45.385 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:180 Resp: 107118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 46.7 | 140.1 |
| 145 | 31.8 | 15.8 | 47.4 |

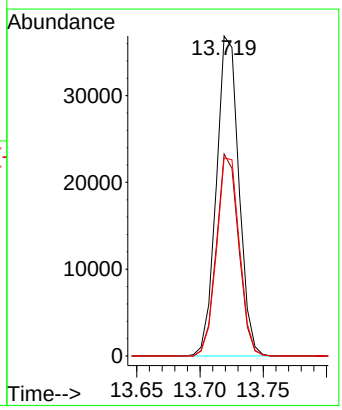


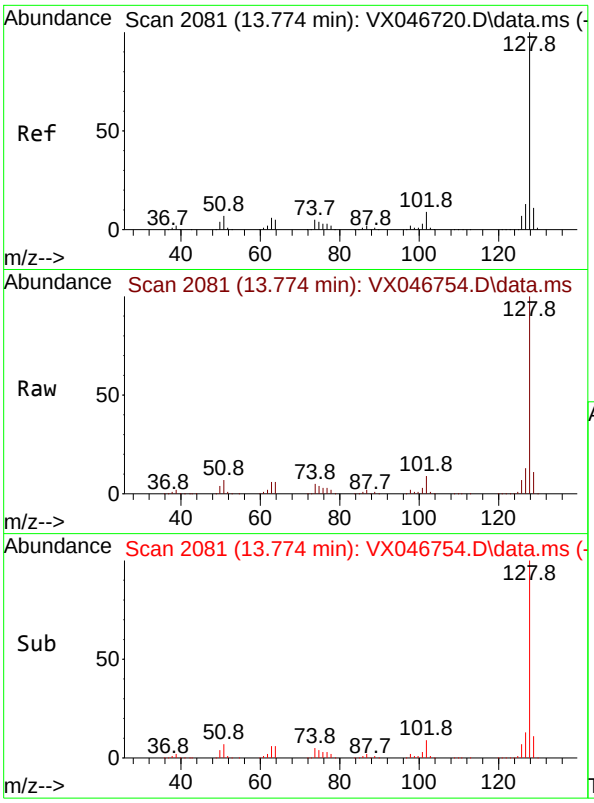




#94
Hexachlorobutadiene
Concen: 45.870 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:225 Resp: 45542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 32.5 | 97.5 |
| 227 | 63.0 | 32.2 | 96.6 |



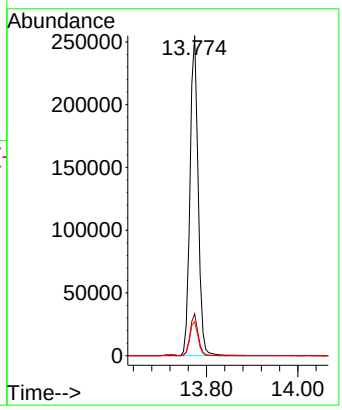


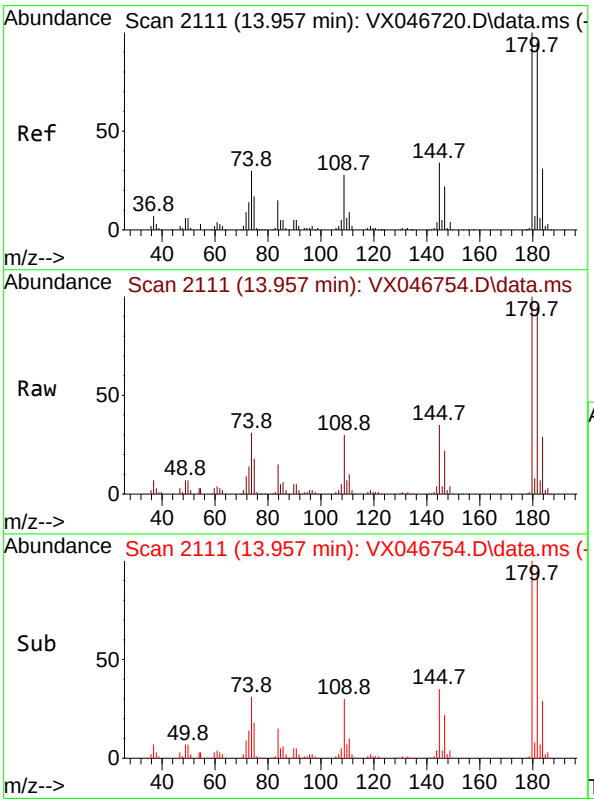

#95
Naphthalene
Concen: 46.868 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-5-20250616MSD

Tgt Ion:128 Resp: 315148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |

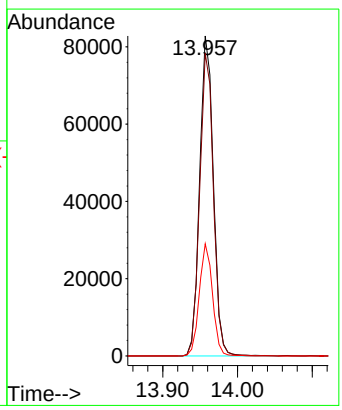



#96
1,2,3-Trichlorobenzene
Concen: 46.678 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046754.D
Acq: 18 Jun 2025 19:19

Tgt Ion:180 Resp: 105398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 47.8 | 143.4 |
| 145 | 33.9 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 147171 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 245322 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 219512 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 108993 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 102581 | 50.393 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.780% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 84461 | 52.036 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.080% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 302526 | 51.878 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 114717 | 52.773 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 105.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 72915 | 46.406 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 80256 | 47.322 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 84851 | 46.917 | ug/l | 95 |
| 5) Bromomethane | 1.624 | 94 | 52119 | 51.222 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 51222 | 46.730 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 126840 | 46.190 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 44591 | 47.316 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 75822 | 45.008 | ug/l | 98 |
| 10) Methyl Iodide | 2.471 | 142 | 93925 | 45.013 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 31066 | 170.030 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 76120 | 46.826 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 44323 | 166.547 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 132100 | 44.851 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 175968 | 214.185 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 129697 | 191.058 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 210930 | 42.969 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 79308 | 45.999 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 222251 | 43.909 | ug/l | 99 |
| 20) Methylene Chloride | 2.806 | 84 | 84354 | 44.683 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 79262 | 45.569 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 267893 | 47.321 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1024877 | 227.659 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 147938 | 46.026 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 197094 | 205.290 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 92807 | 39.588 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 93038 | 45.529 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 74387 | 51.048 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 127418 | 205.472 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 149634 | 46.550 | ug/l | 97 |
| 31) Cyclohexane | 5.483 | 56 | 135676 | 44.511 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 127606 | 45.264 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 104633 | 44.657 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 84355 | 39.004 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111681 | 43.921 | ug/l | 96 |
| 39) Methylcyclohexane | 7.385 | 83 | 134029 | 43.470 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 317609 | 45.803 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 52937 | 45.912 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 109861 | 45.085 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 145231 | 42.913 | ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 79747 | 45.127 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 78681 | 45.784 | ug/l | | 96 |
| 46) Dibromomethane | 7.586 | 93 | 54751 | 44.330 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 116648 | 46.281 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 76410 | 45.018 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 17317 | 709.769 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 426571 | 211.334 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 196480 | 45.706 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105920 | 45.294 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 120007 | 45.205 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72014 | 44.953 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 107478 | 45.449 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 124482 | 45.123 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 301235 | 245.221 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 291231 | 208.701 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 84597 | 44.810 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 74132 | 45.493 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 65730 | 43.220 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 214231 | 44.211 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 72969 | 44.807 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 378885 | 44.751 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284969 | 90.331 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 137712 | 46.579 | ug/l | | 96 |
| 70) Styrene | 10.652 | 104 | 236334 | 45.677 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54246 | 43.738 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 364363 | 45.390 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 130567 | 42.930 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 97413 | 43.460 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 103168 | 51.681 | ug/l | | 92 |
| 77) Bromobenzene | 11.195 | 156 | 86736 | 44.901 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 433663 | 45.483 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 250652 | 44.031 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 298840 | 45.302 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28199 | 39.929 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 294514 | 44.330 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 301413 | 44.204 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 299612 | 45.207 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 386175 | 44.812 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 320650 | 44.100 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 164581 | 43.697 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 163149 | 42.172 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 304915 | 44.167 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55261 | 43.401 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 155261 | 44.112 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 17688 | 39.972 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 110321 | 44.088 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45201 | 42.941 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 309610 | 43.429 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105752 | 44.175 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

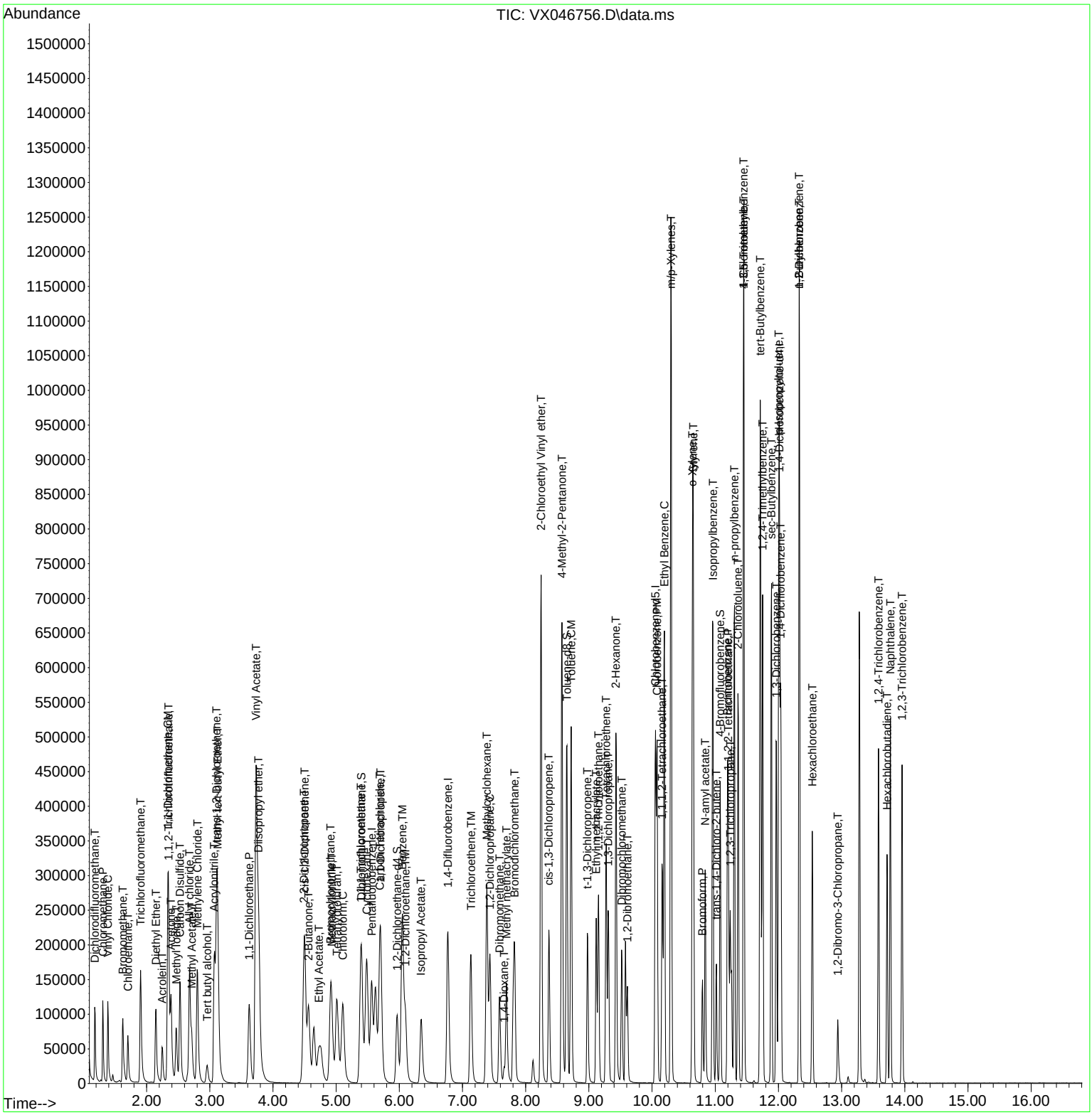
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

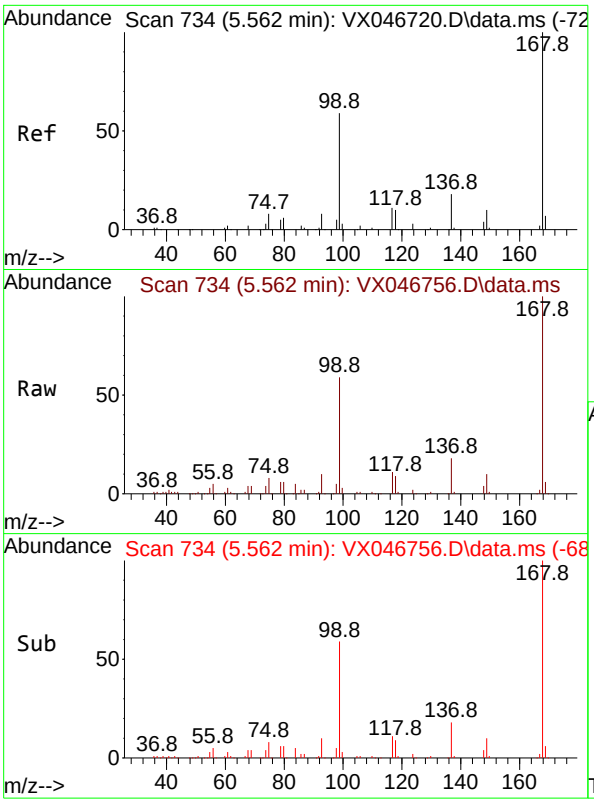
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046756.D
Acq On : 18 Jun 2025 20:01
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 19 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



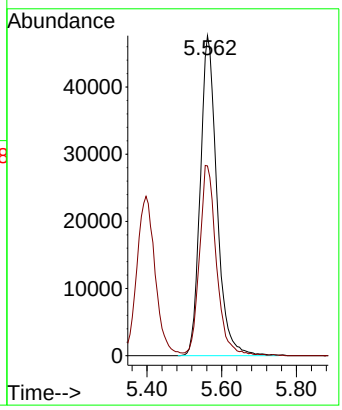


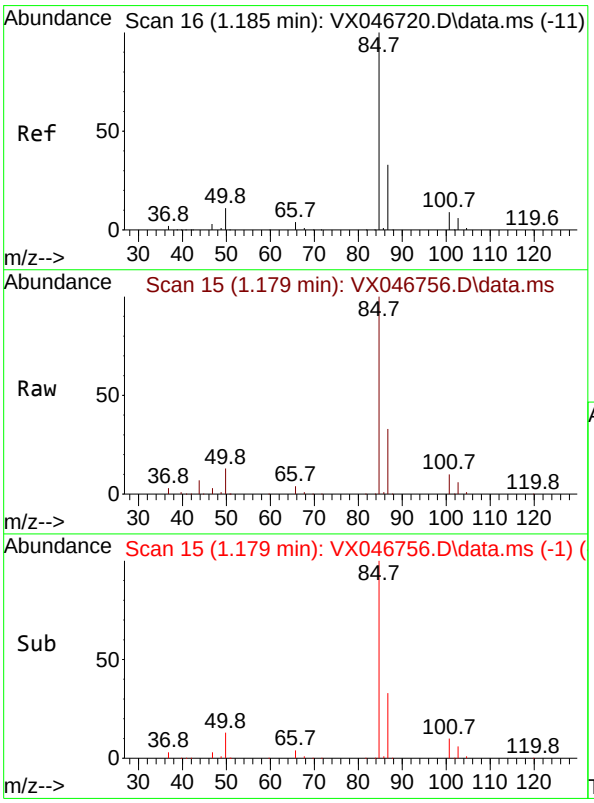

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 147171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.1 | 48.5 | 72.7 |

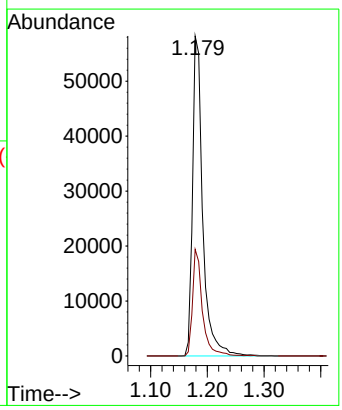


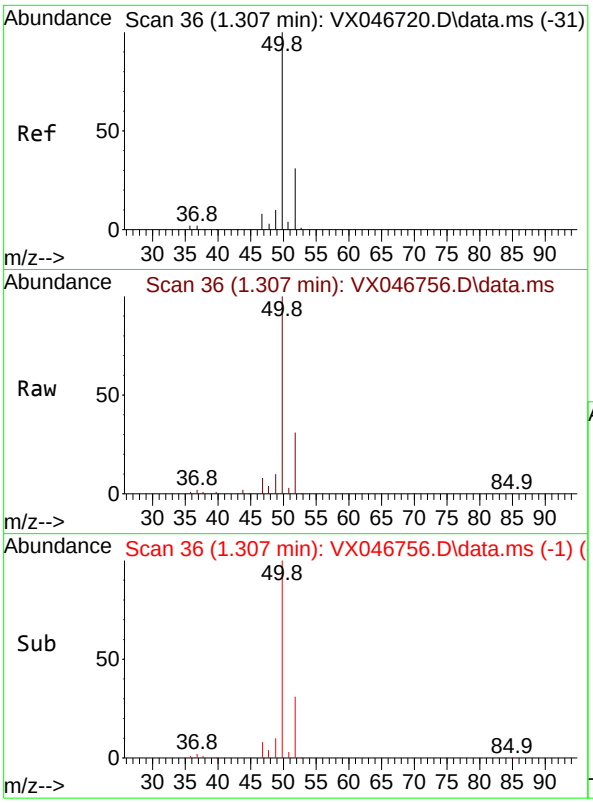




#2
Dichlorodifluoromethane
Concen: 46.406 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 85 Resp: 72915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |



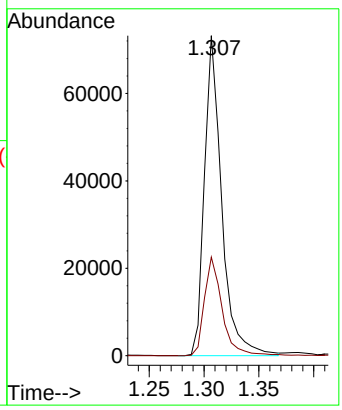


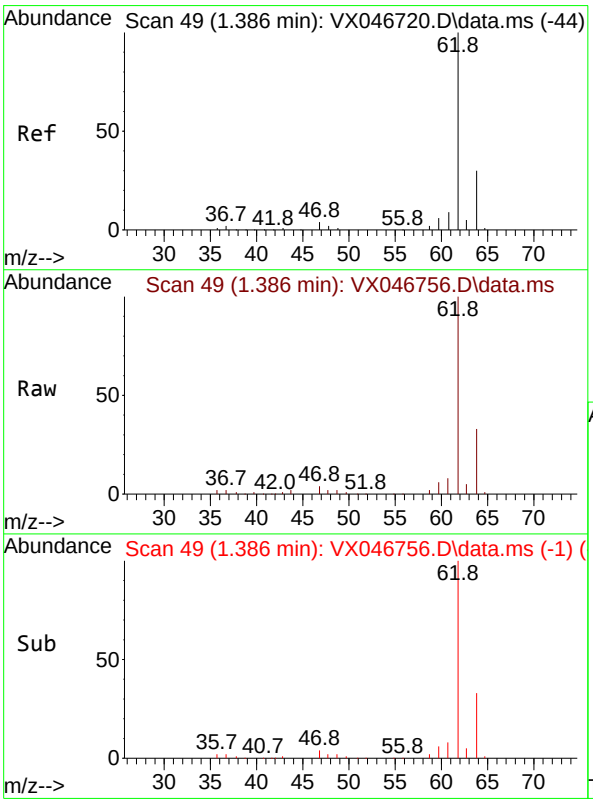

#3
Chloromethane
Concen: 47.322 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 80256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.8 | 24.9 | 37.3 |

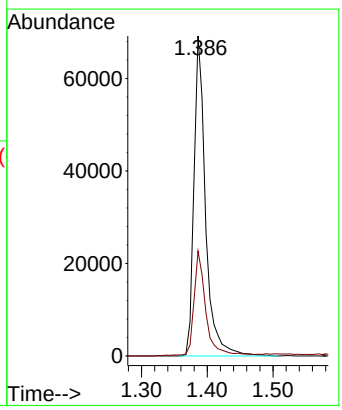


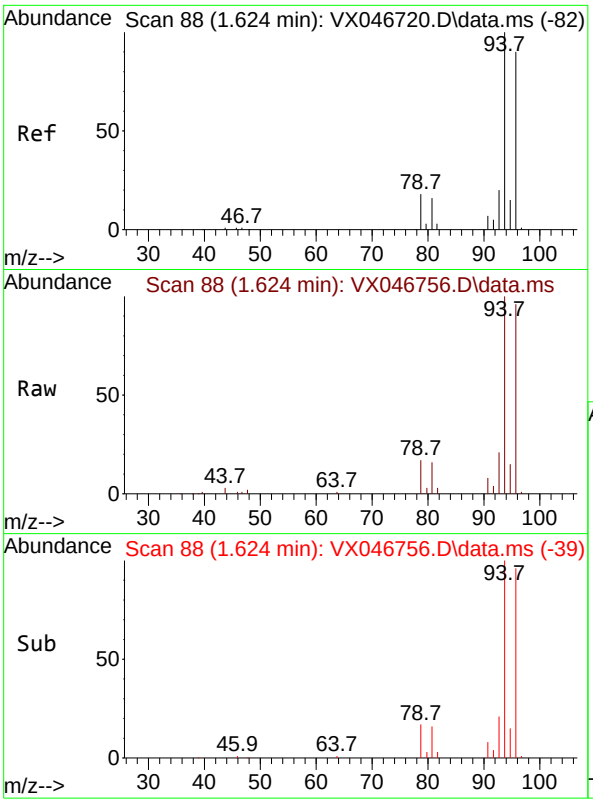




#4
Vinyl Chloride
Concen: 46.917 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 62 Resp: 84851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 23.9 | 35.9 |



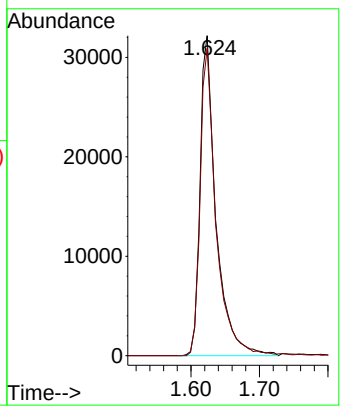


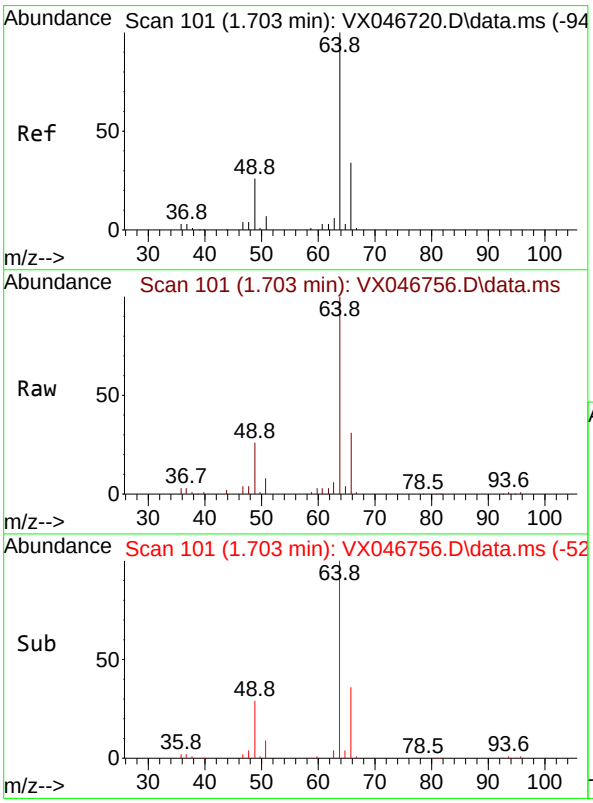

#5
Bromomethane
Concen: 51.222 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 52119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 72.3 | 108.5 |

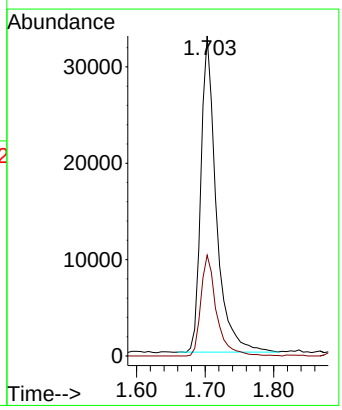


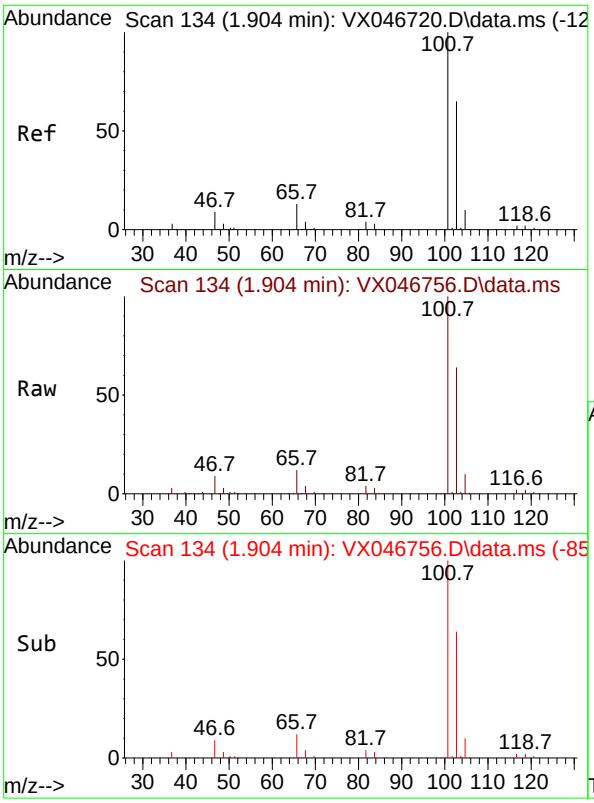




#6
Chloroethane
Concen: 46.730 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 64 Resp: 51222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 27.1 | 40.7 |



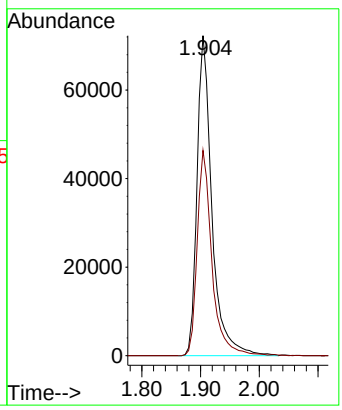


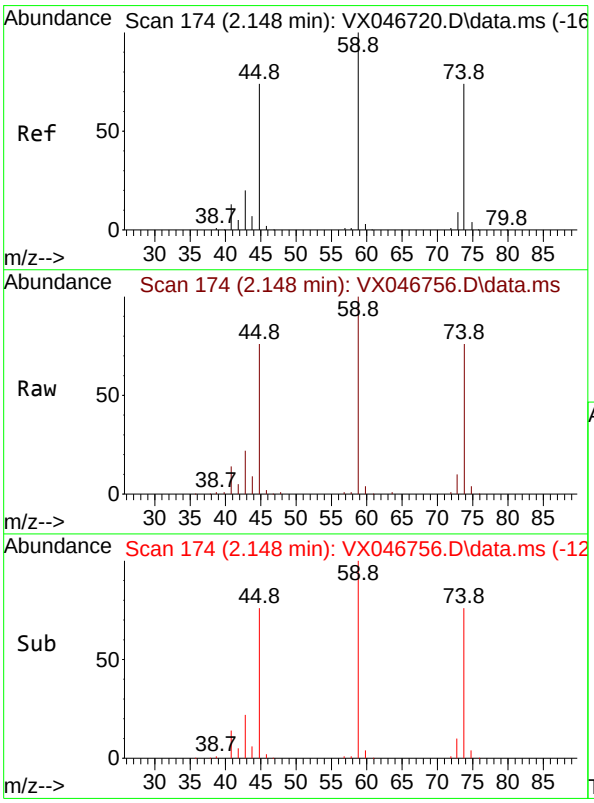

#7
Trichlorofluoromethane
Concen: 46.190 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 126840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 51.8 | 77.8 |

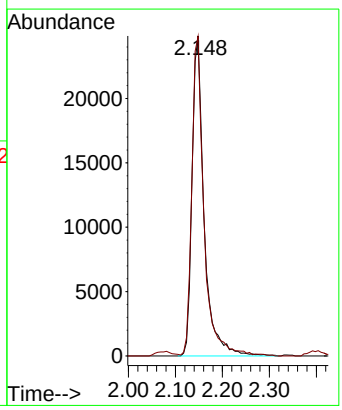


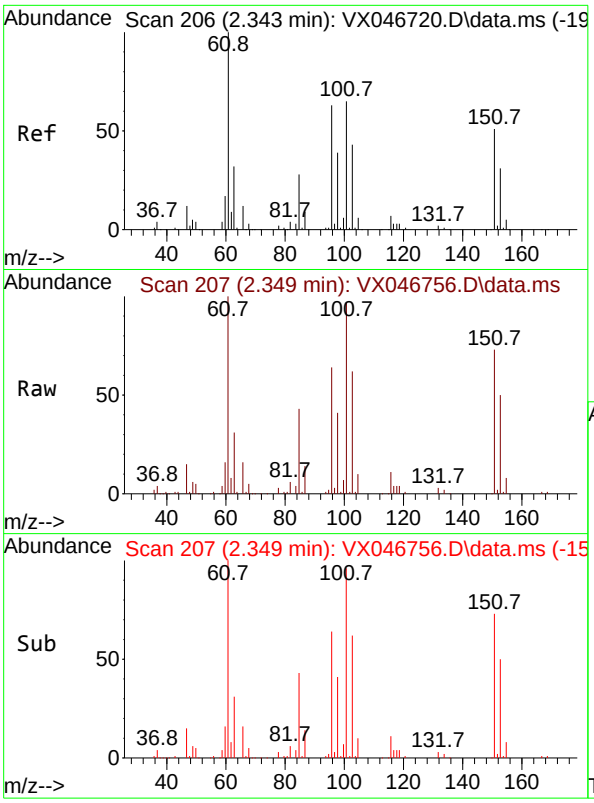




#8
Diethyl Ether
Concen: 47.316 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 74 Resp: 44591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.2 | 52.3 | 157.1 |



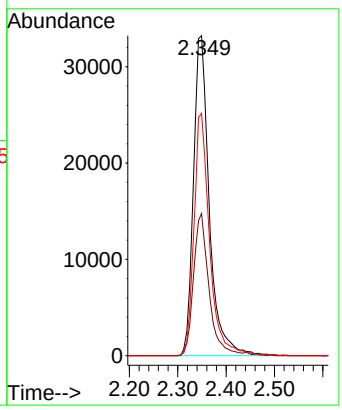


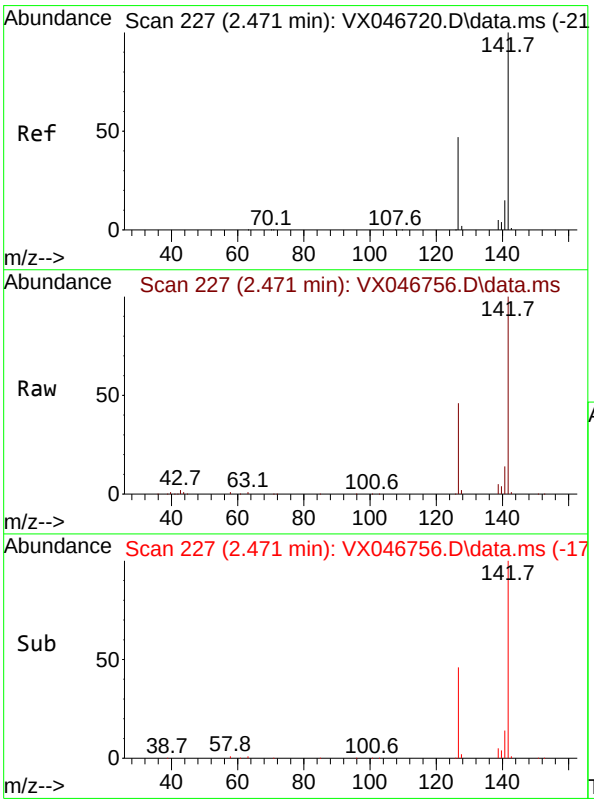

#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.008 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 75822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |

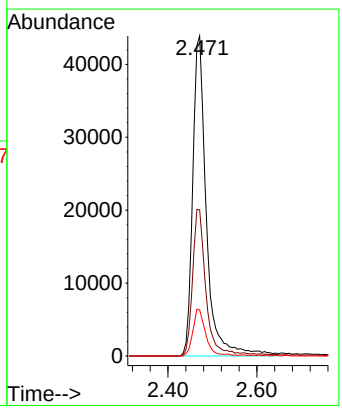


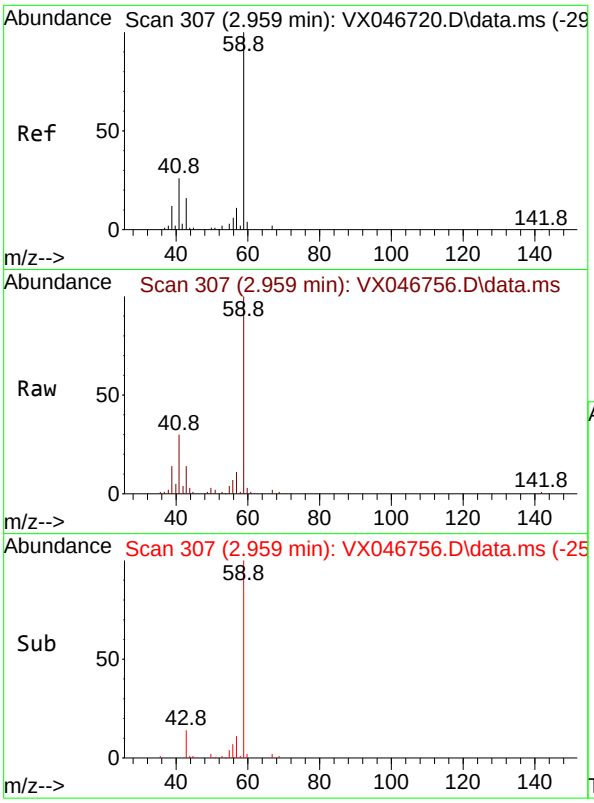




#10
Methyl Iodide
Concen: 45.013 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:142 Resp: 93925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.6 | 37.0 | 55.6 |
| 141 | 13.7 | 11.5 | 17.3 |



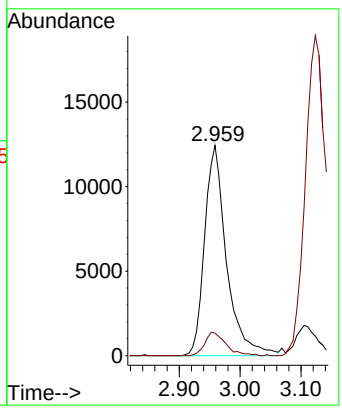


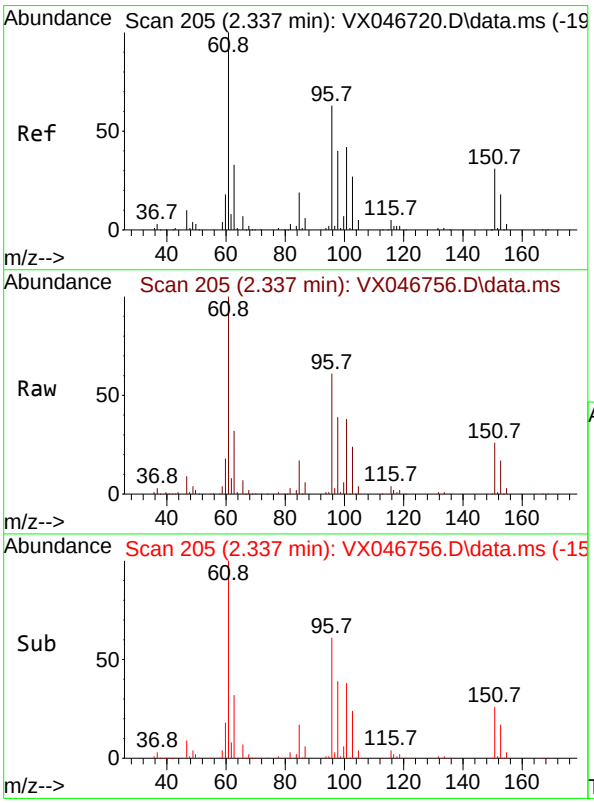

#11
Tert butyl alcohol
Concen: 170.030 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 31066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

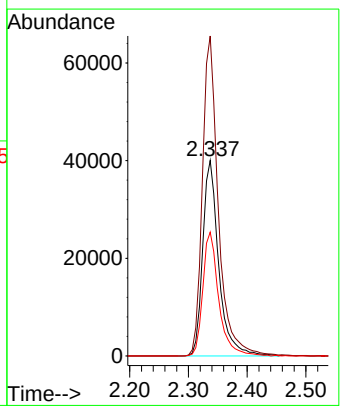


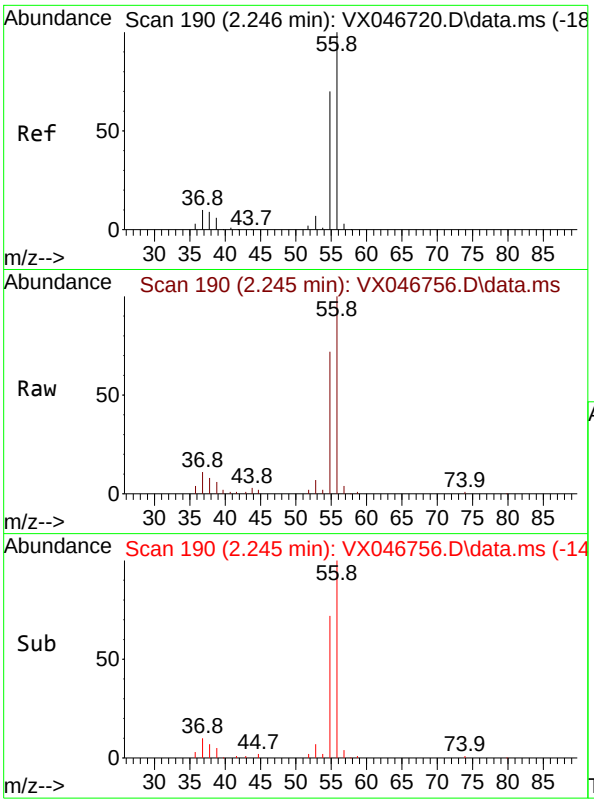




#12
1,1-Dichloroethene
Concen: 46.826 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 96 Resp: 76120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.7 | 126.6 | 189.8 |
| 98 | 63.3 | 50.7 | 76.1 |



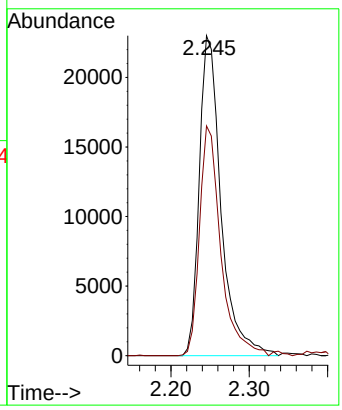


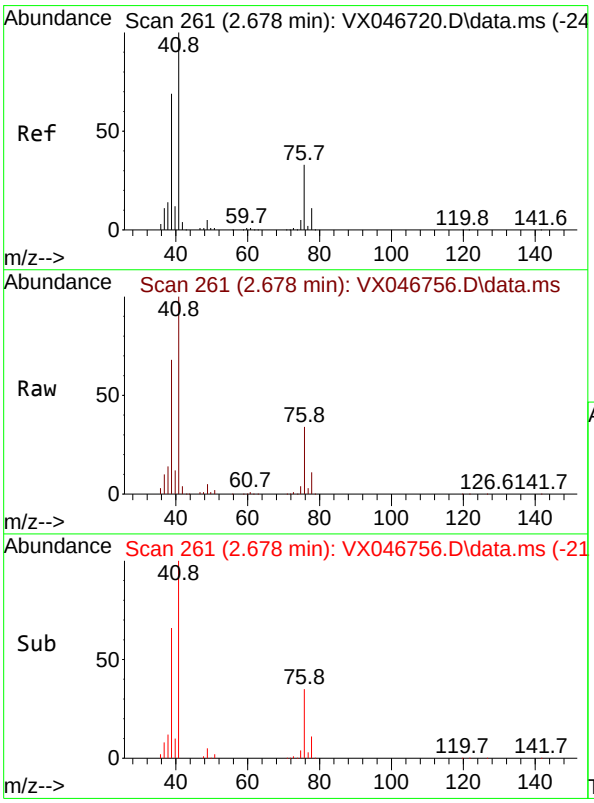

#13
Acrolein
Concen: 166.547 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 44323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 55.2 | 82.8 |

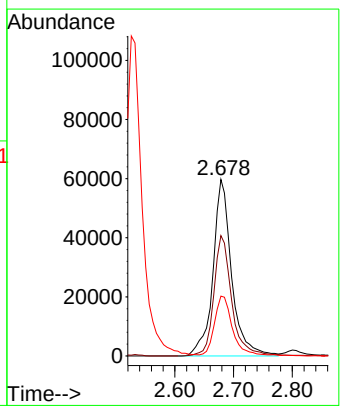


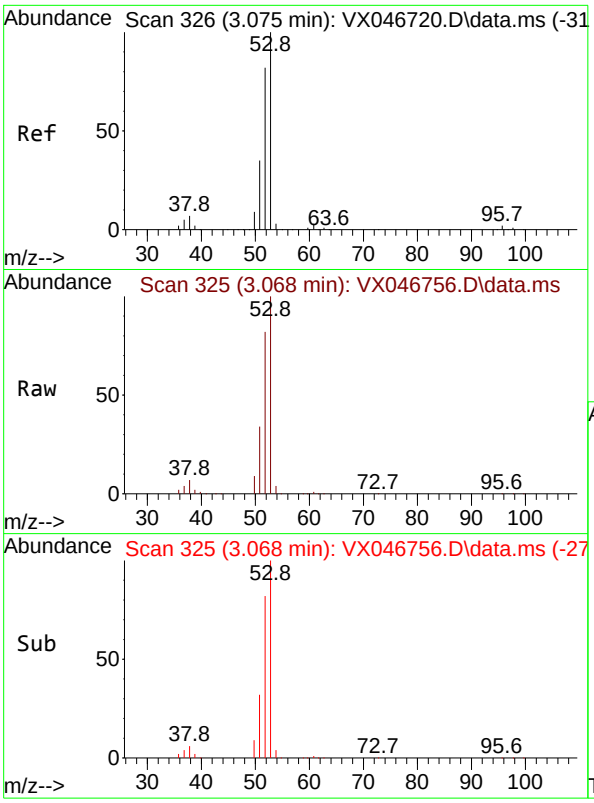




#14
Allyl chloride
Concen: 44.851 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 41 Resp: 132100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.5 | 53.6 | 80.4 |
| 76 | 32.2 | 26.8 | 40.2 |



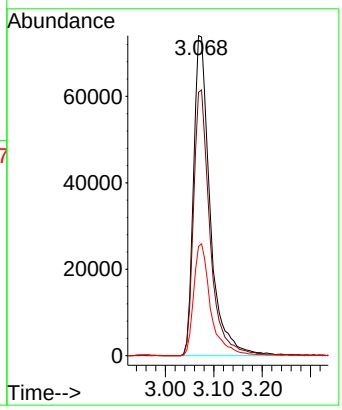


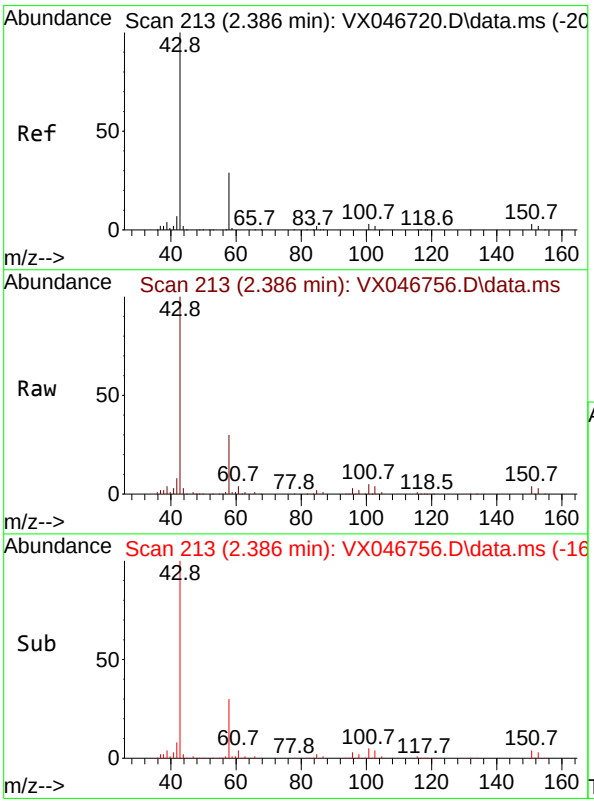

#15
Acrylonitrile
Concen: 214.185 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 175968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.8 | 65.1 | 97.7 |
| 51 | 36.2 | 28.9 | 43.3 |

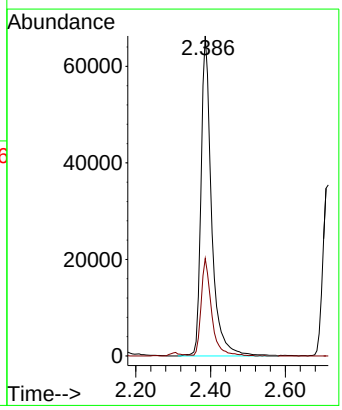


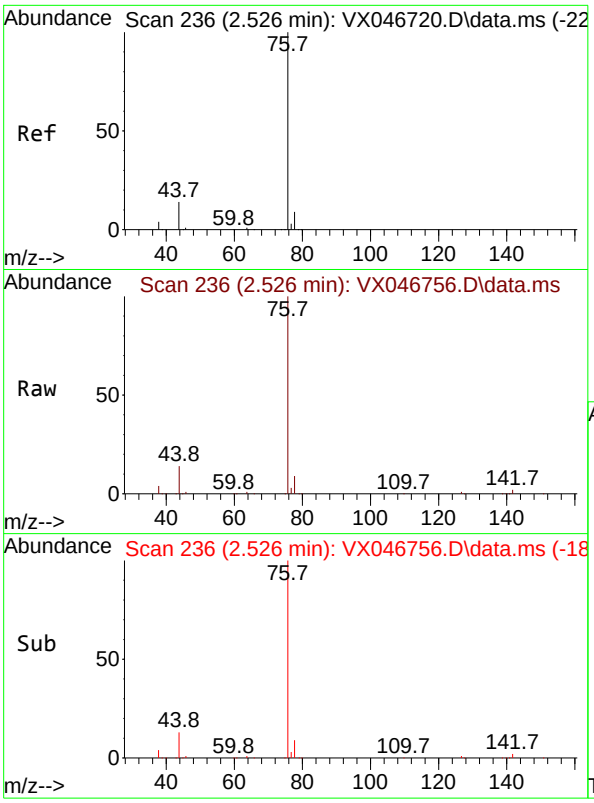




#16
Acetone
Concen: 191.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 129697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 24.5 | 36.7 |



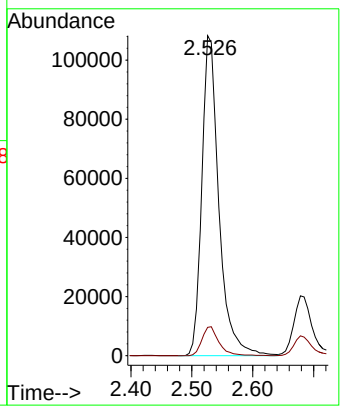


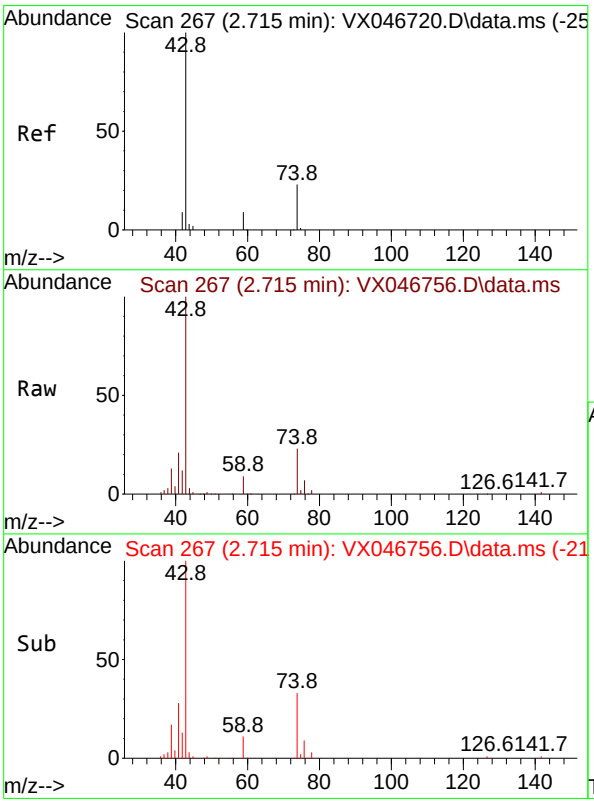

#17
Carbon Disulfide
Concen: 42.969 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 210930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.5 | 11.3 |

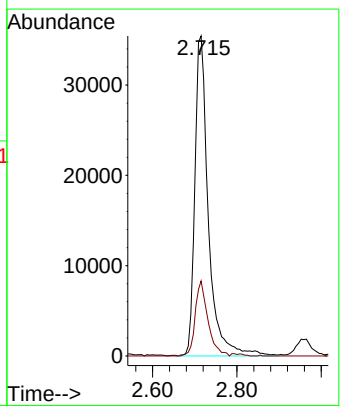


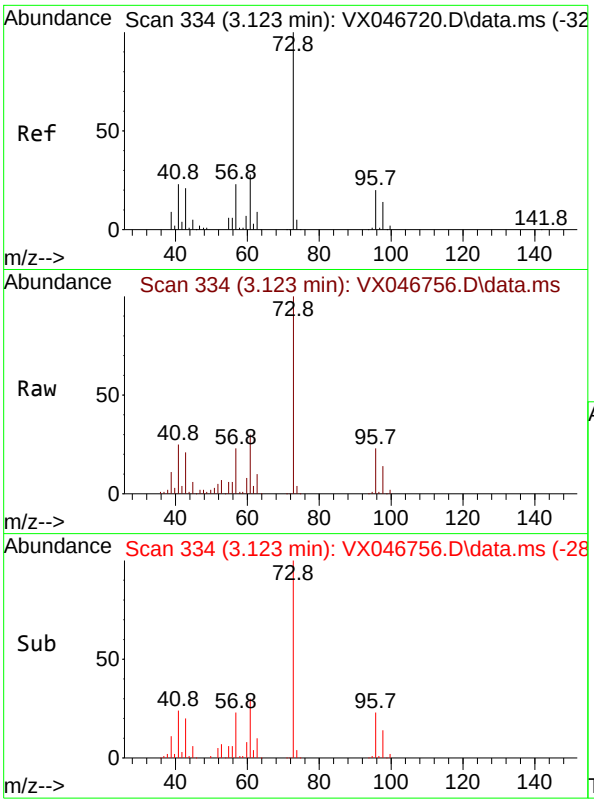




#18
Methyl Acetate
Concen: 45.999 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 79308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 18.4 | 27.6 |



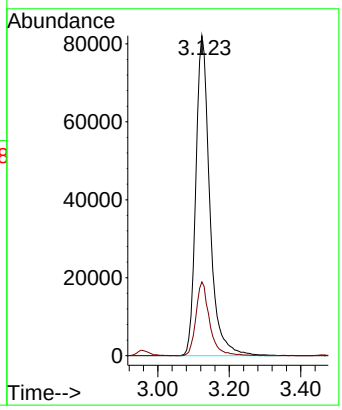


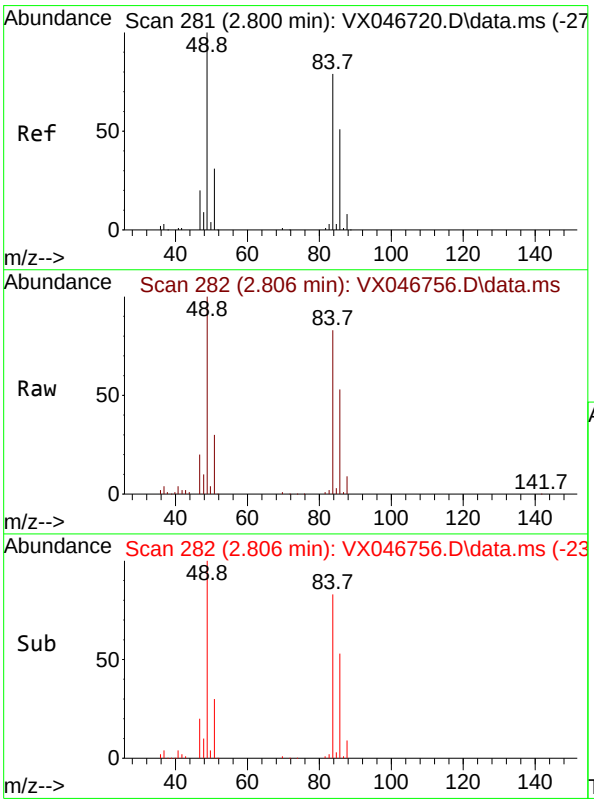

#19
Methyl tert-butyl Ether
Concen: 43.909 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 222251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.1 | 18.2 | 27.2 |

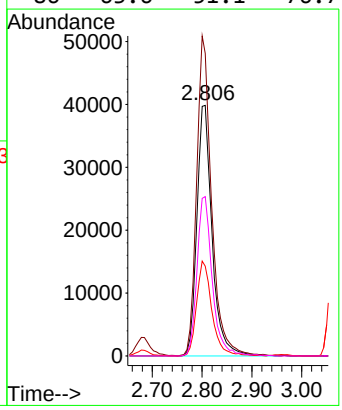


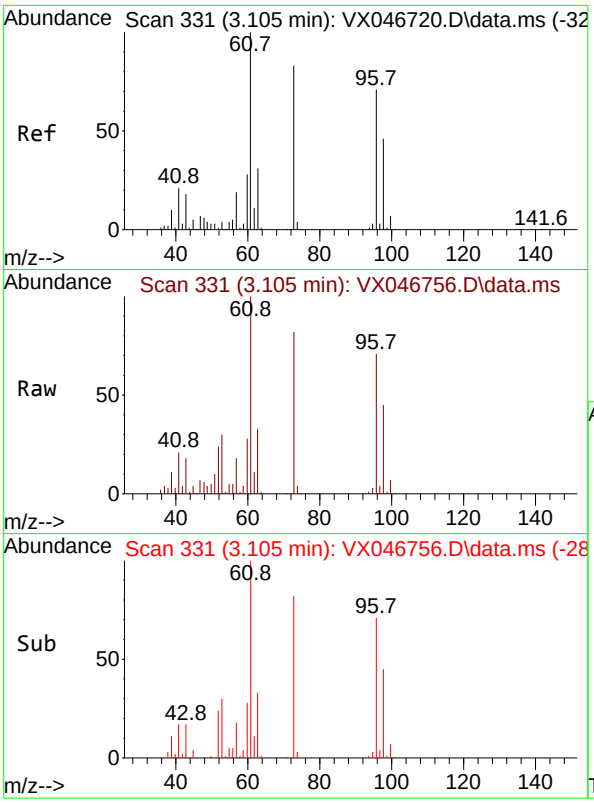




#20
Methylene Chloride
Concen: 44.683 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 84 Resp: 84354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.7 | 101.3 | 151.9 |
| 51 | 35.8 | 31.0 | 46.6 |
| 86 | 63.6 | 51.1 | 76.7 |



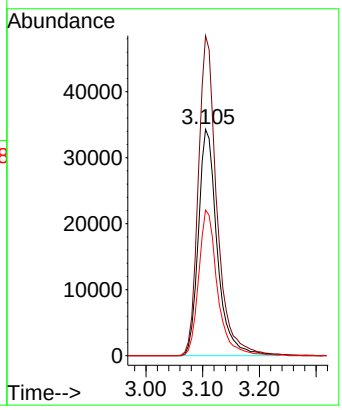


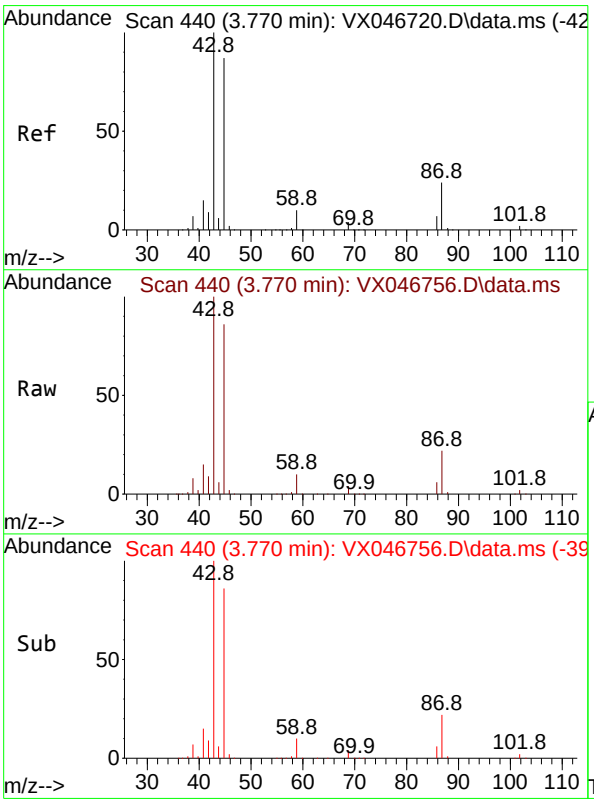

#21
trans-1,2-Dichloroethene
Concen: 45.569 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 79262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.3 | 112.5 | 168.7 |
| 98 | 64.3 | 51.9 | 77.9 |

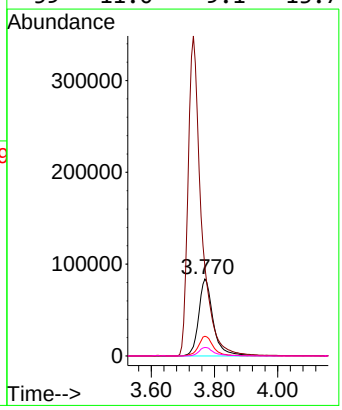


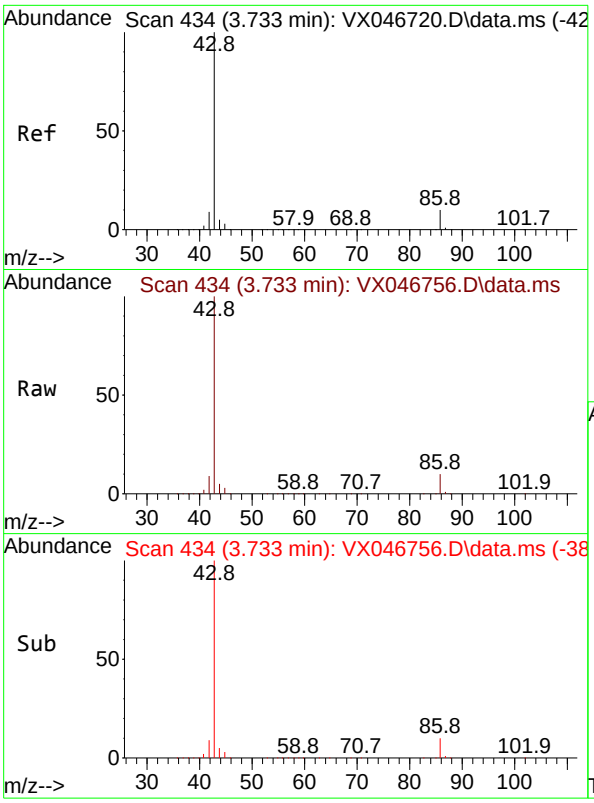




#22
Diisopropyl ether
Concen: 47.321 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 45 Resp: 267893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 115.3 | 91.9 | 137.9 |
| 87 | 25.6 | 22.0 | 33.0 |
| 59 | 11.0 | 9.1 | 13.7 |



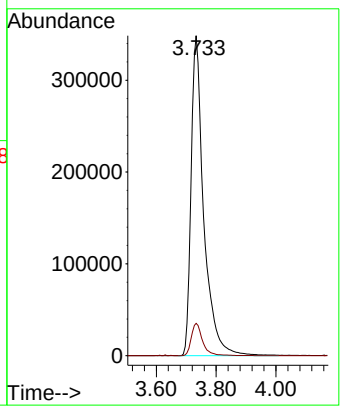


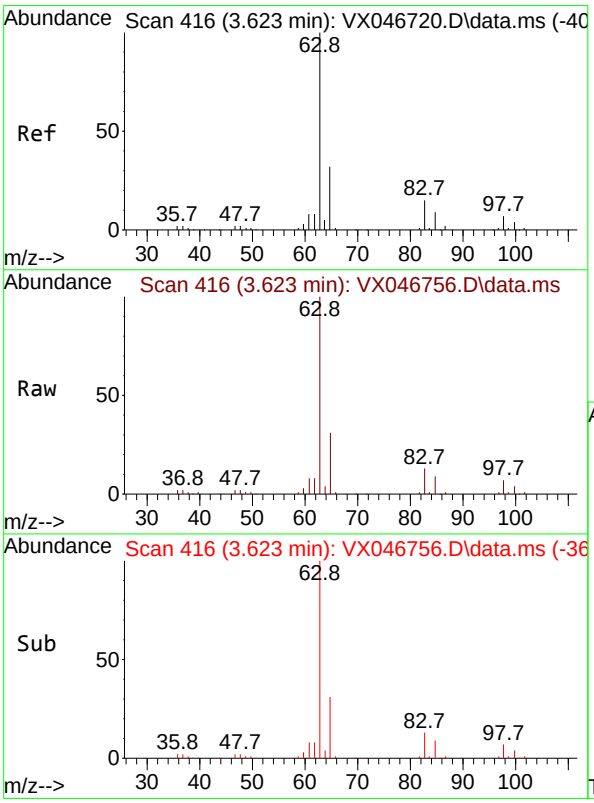

#23
Vinyl Acetate
Concen: 227.659 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1024877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

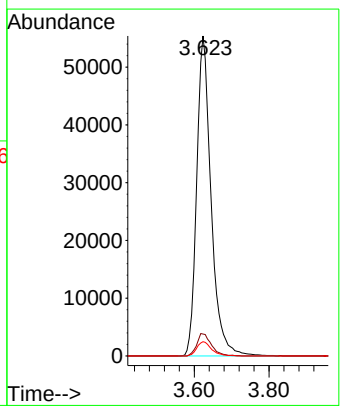


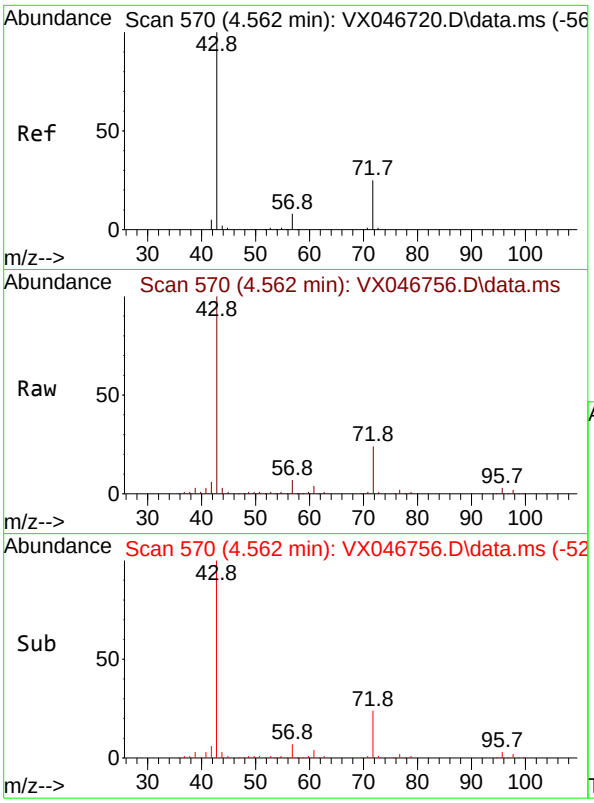




#24
1,1-Dichloroethane
Concen: 46.026 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 63 Resp: 147938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |



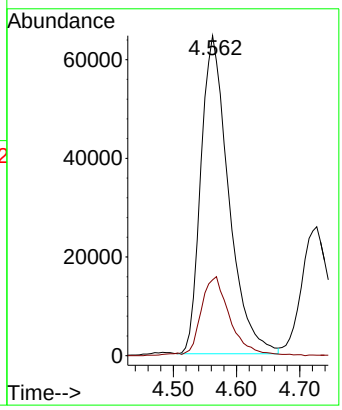


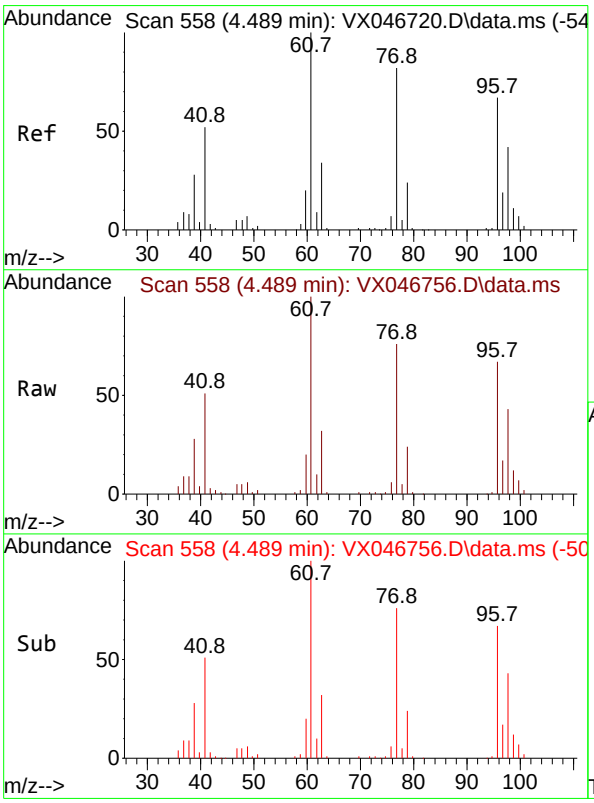

#25
2-Butanone
Concen: 205.290 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 197094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.2 | 30.4 |

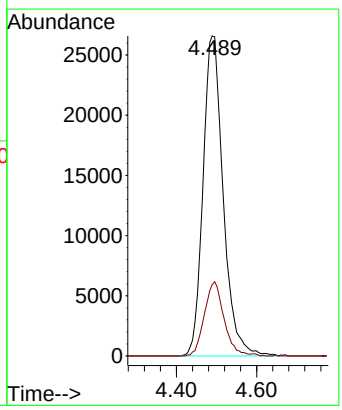


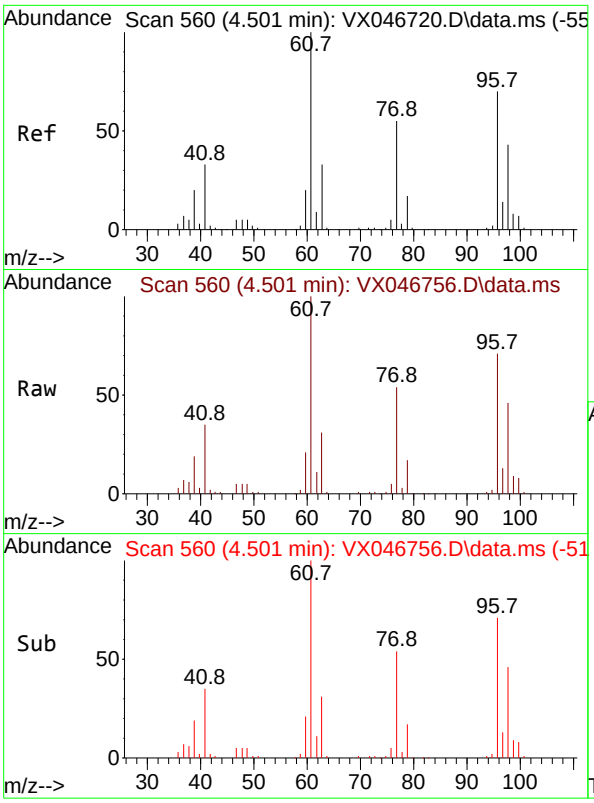




#26
2,2-Dichloropropane
Concen: 39.588 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 77 Resp: 92807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.7 | 11.8 | 35.3 |



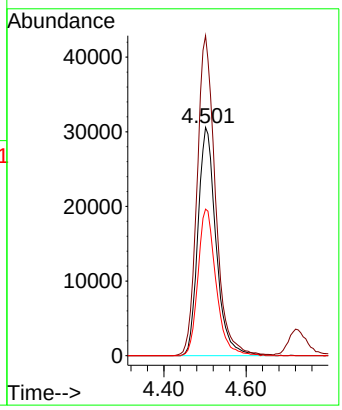


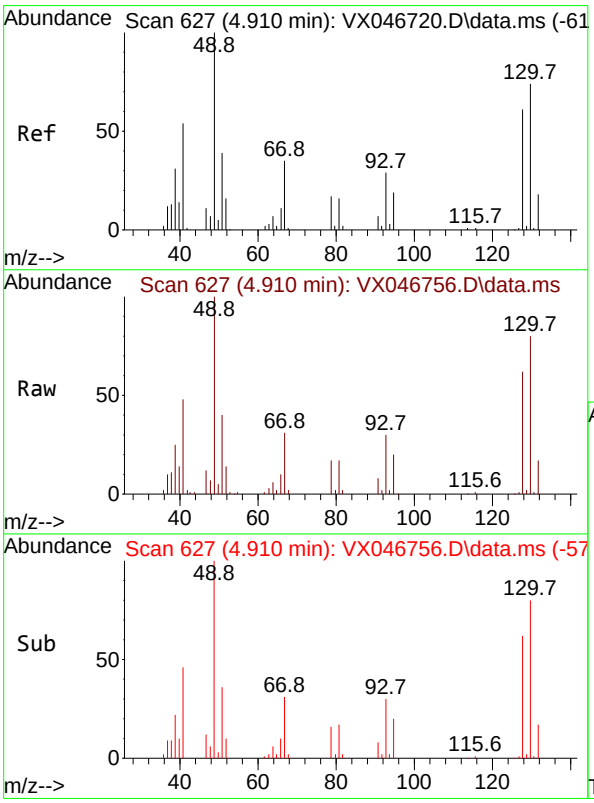

#27
cis-1,2-Dichloroethene
Concen: 45.529 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 93038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.8 | 0.0 | 291.0 |
| 98 | 64.4 | 0.0 | 126.8 |

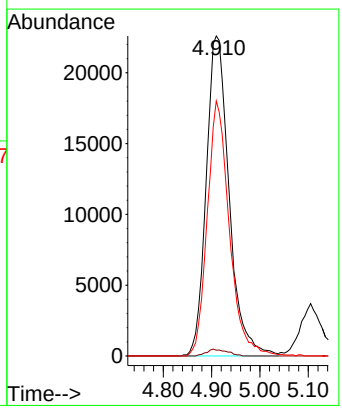


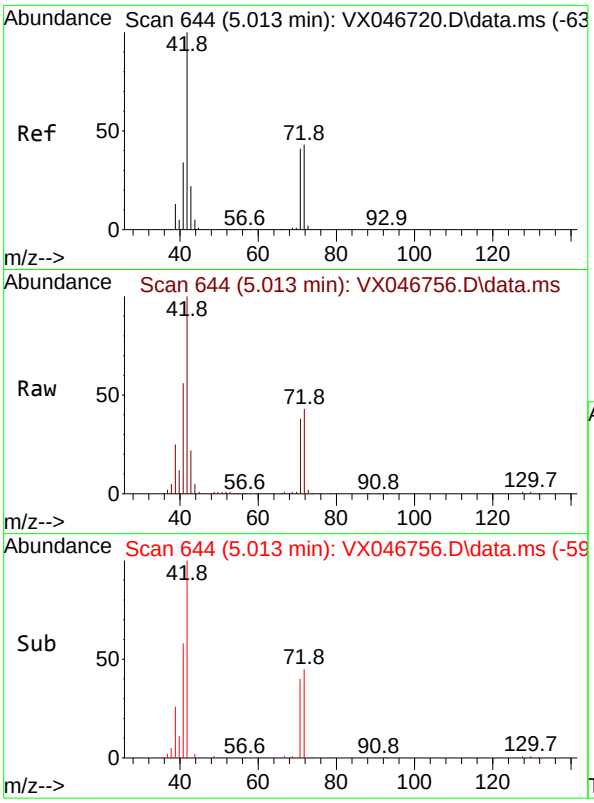




#28
Bromochloromethane
Concen: 51.048 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 49 Resp: 74387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |



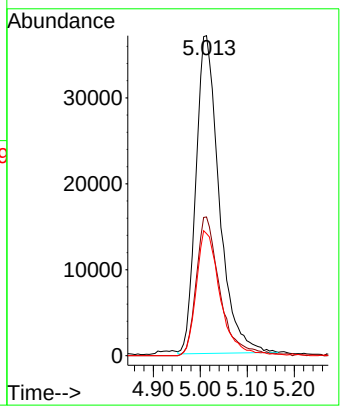


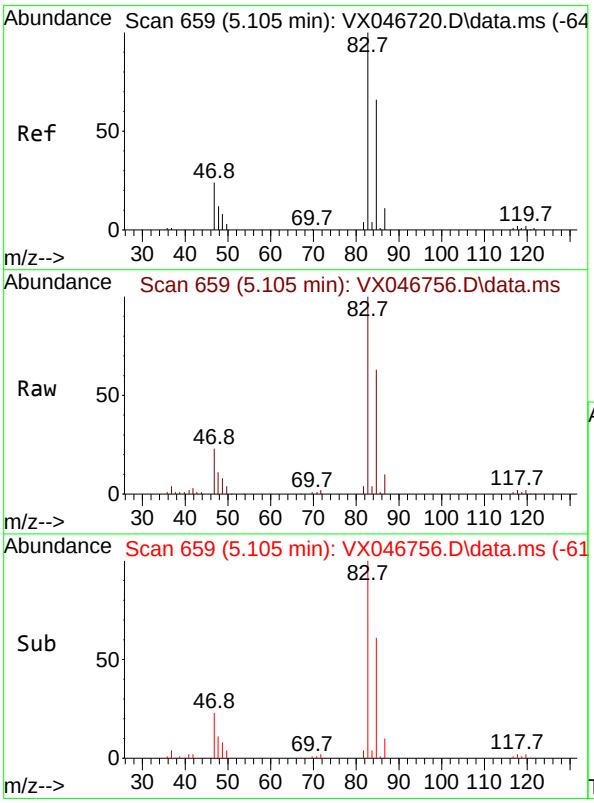

#29
Tetrahydrofuran
Concen: 205.472 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 127418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 34.9 | 52.3 |
| 71 | 40.3 | 32.2 | 48.2 |

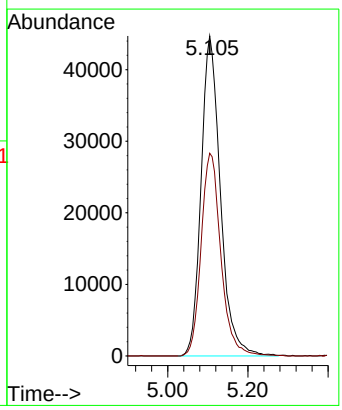


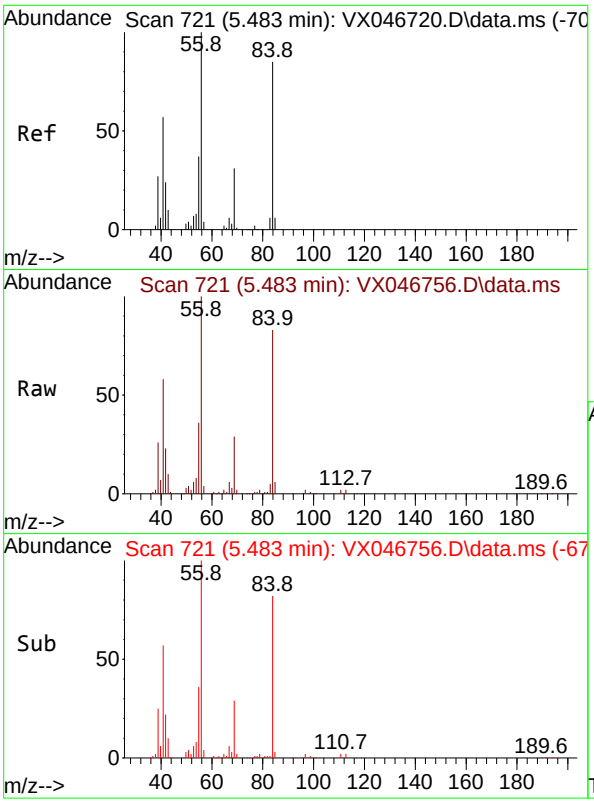




#30
Chloroform
Concen: 46.550 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 83 Resp: 149634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 53.7 | 80.5 |



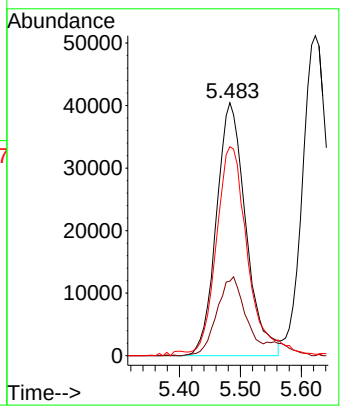


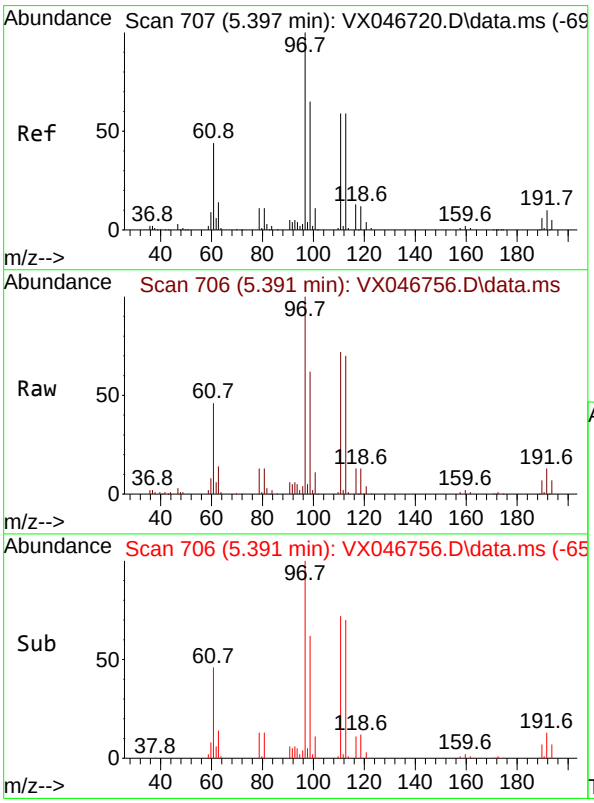

#31
Cyclohexane
Concen: 44.511 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 135676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.1 | 24.8 | 37.2 |
| 84 | 80.8 | 68.2 | 102.2 |

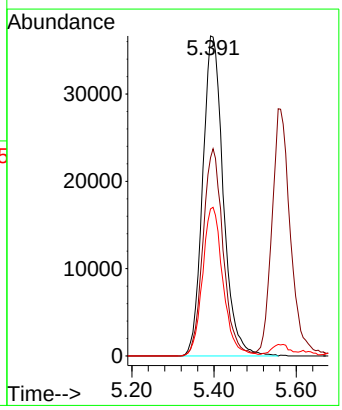


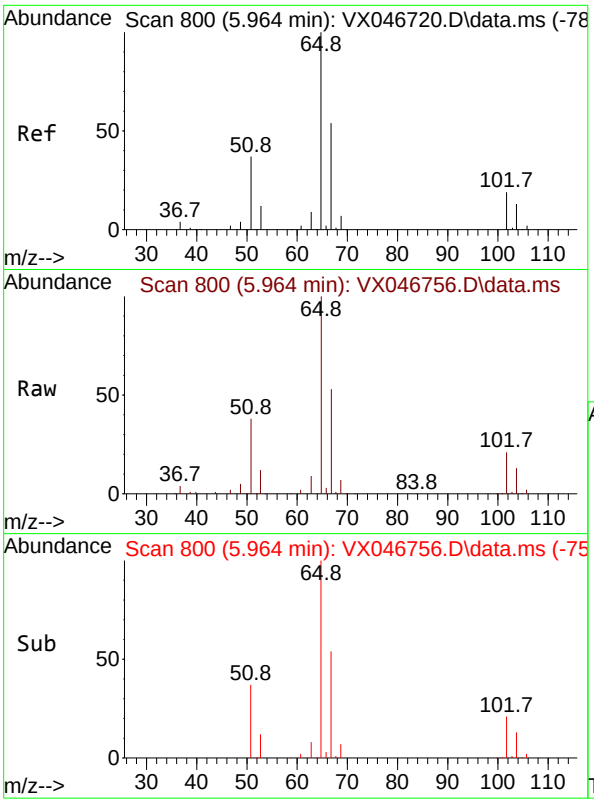




#32
1,1,1-Trichloroethane
Concen: 45.264 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 97 Resp: 127606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.3 | 76.9 |
| 61 | 46.0 | 36.4 | 54.6 |



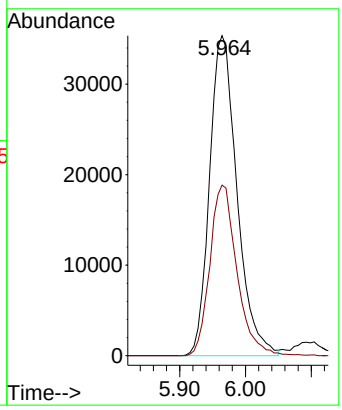


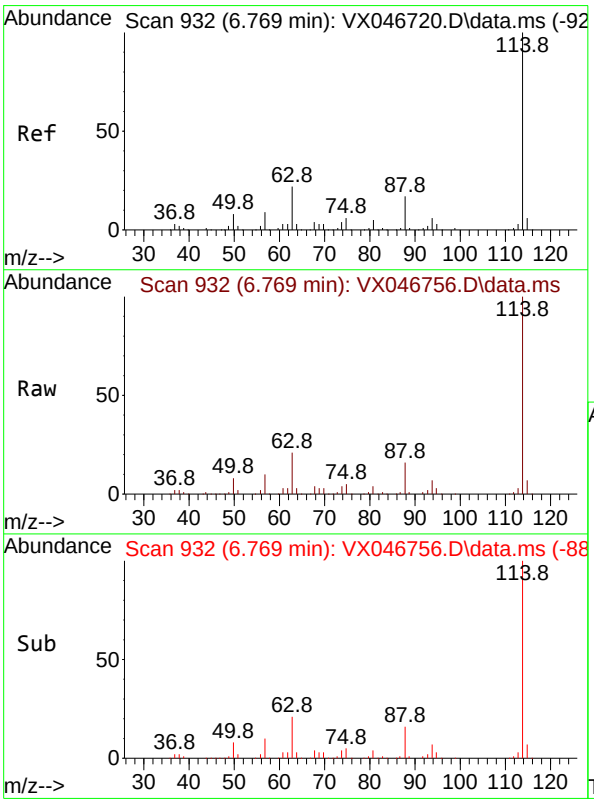

#33
1,2-Dichloroethane-d4
Concen: 50.393 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 102581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 105.4 |

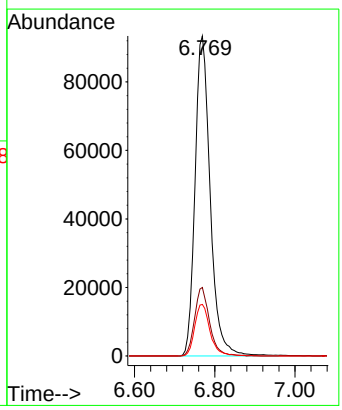


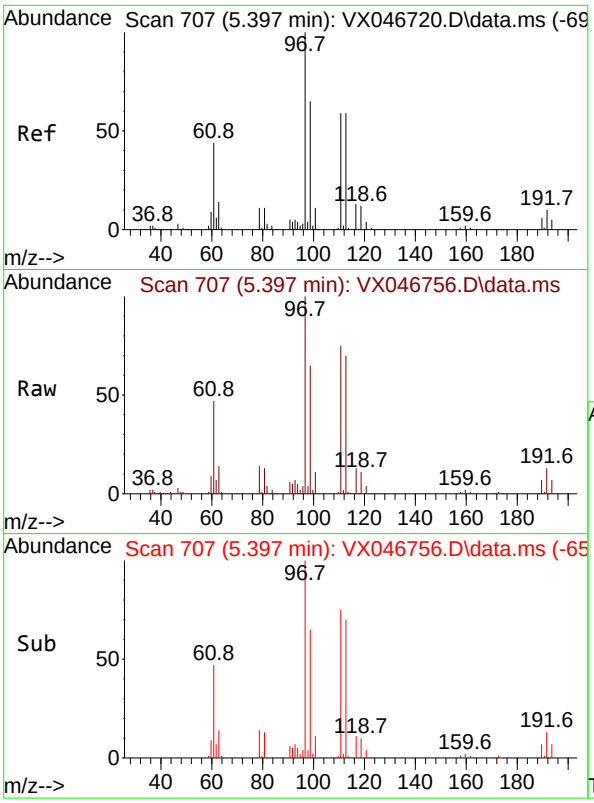




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:114 Resp: 245322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |



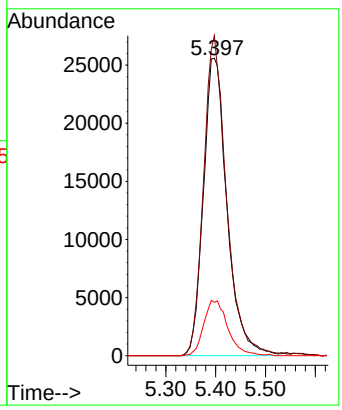


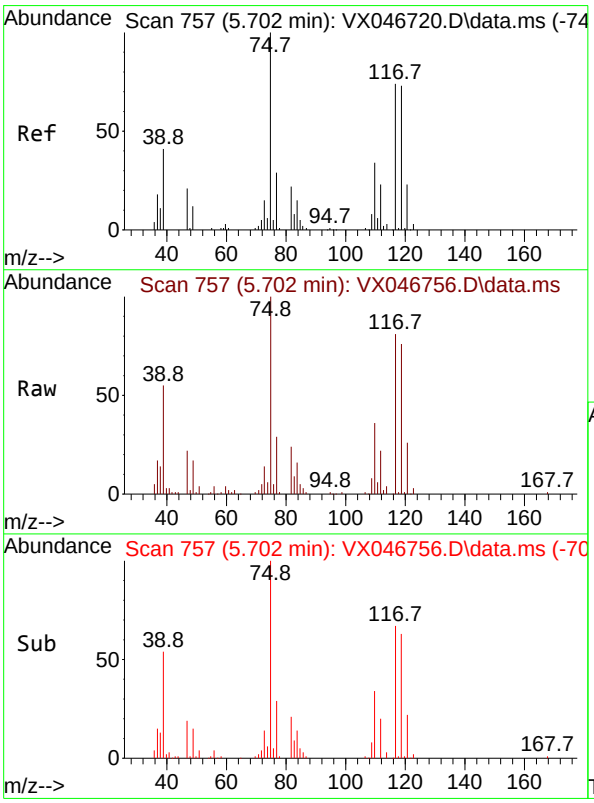

#35
Dibromofluoromethane
Concen: 52.036 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 84461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 82.0 | 123.0 |
| 192 | 19.0 | 15.3 | 22.9 |

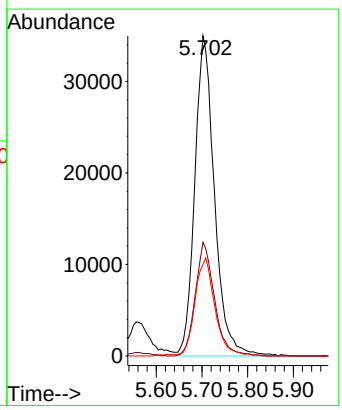


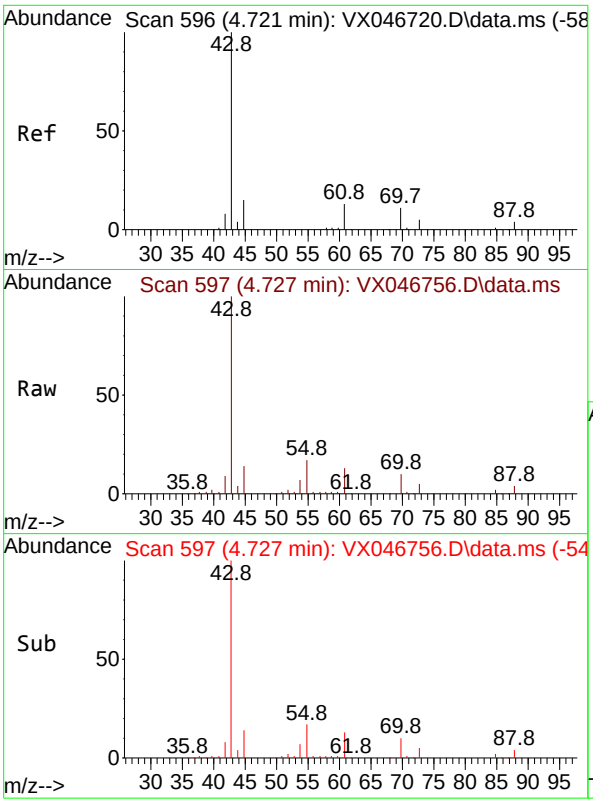




#36
1,1-Dichloropropene
Concen: 44.657 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 104633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.2 | 51.5 |
| 77 | 31.1 | 24.2 | 36.4 |



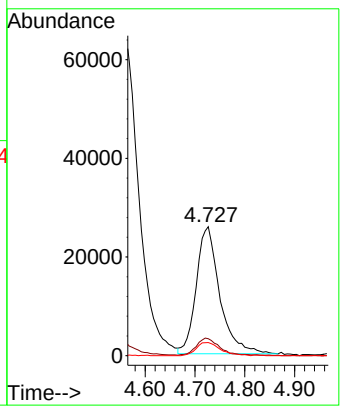


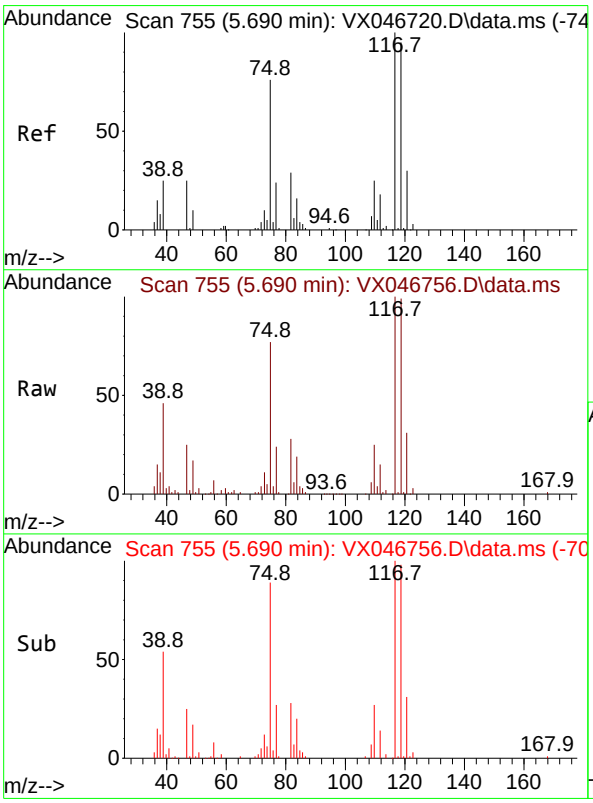

#37
Ethyl Acetate
Concen: 39.004 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 84355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 9.7 | 14.5 |
| 70 | 10.6 | 8.1 | 12.1 |

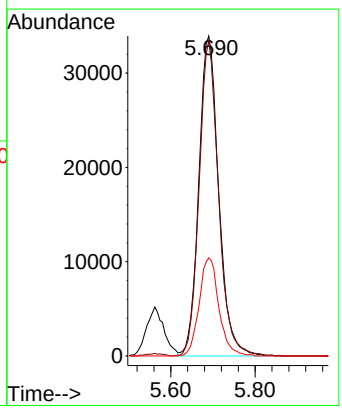


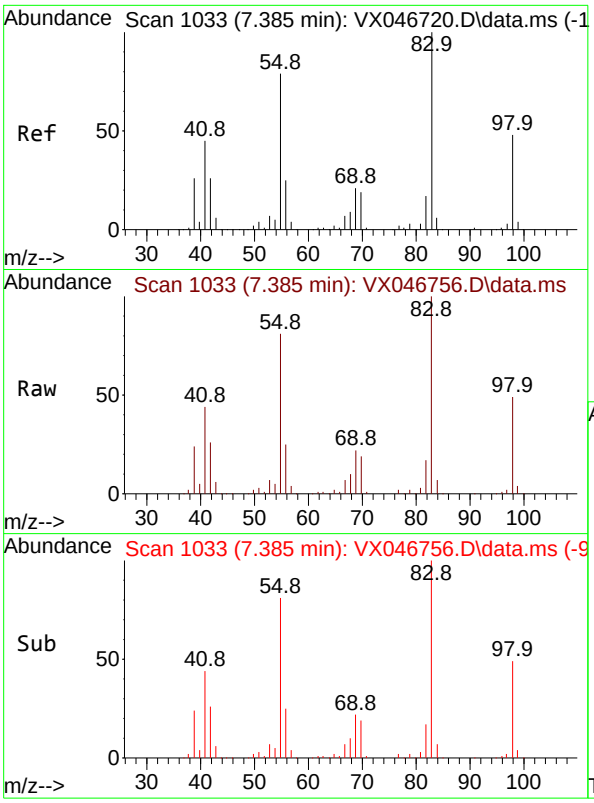




#38
Carbon Tetrachloride
Concen: 43.921 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:117 Resp: 111681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 75.2 | 112.8 |
| 121 | 30.6 | 24.1 | 36.1 |



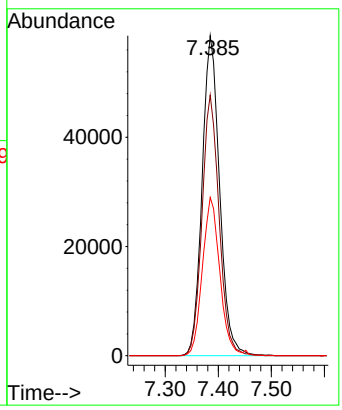


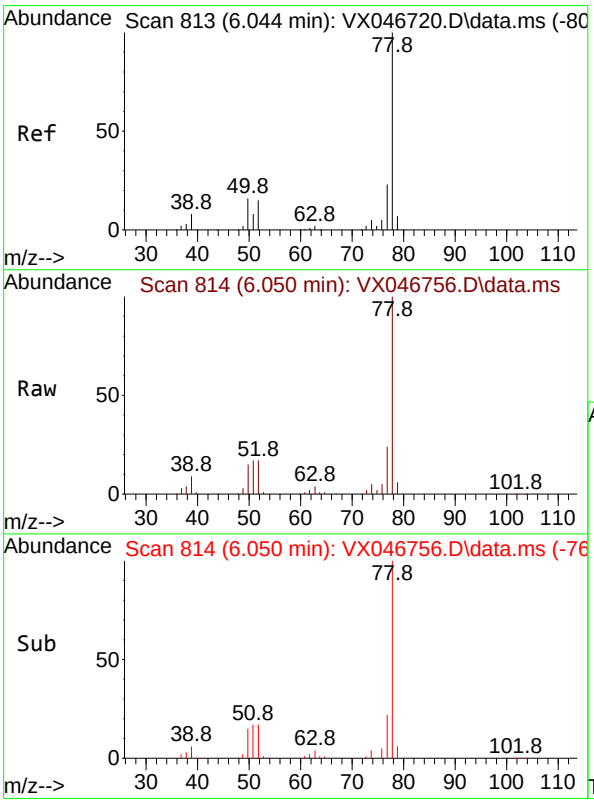

#39
Methylcyclohexane
Concen: 43.470 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 134029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.5 | 63.0 | 94.4 |
| 98 | 49.5 | 38.8 | 58.2 |

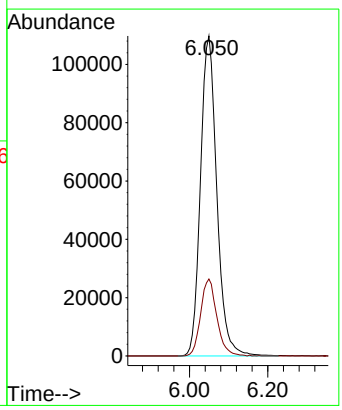


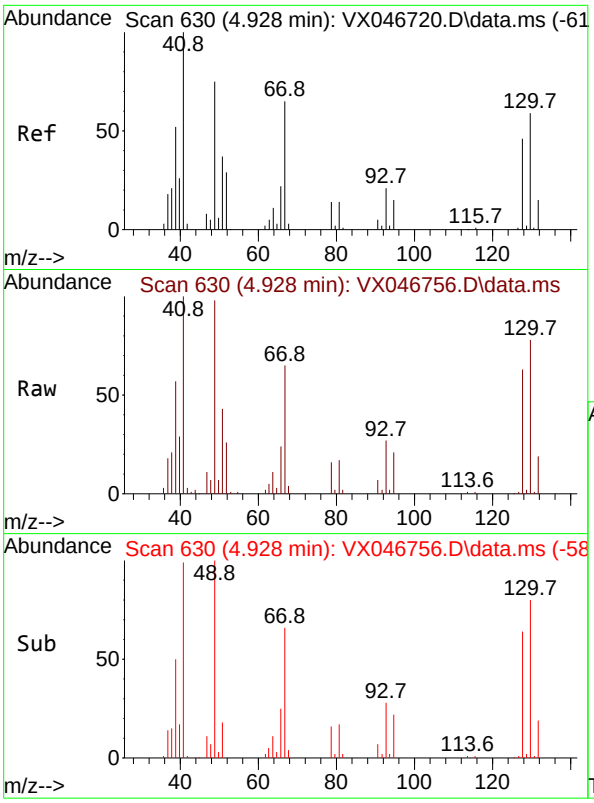




#40
Benzene
Concen: 45.803 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 78 Resp: 317609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 18.8 | 28.2 |



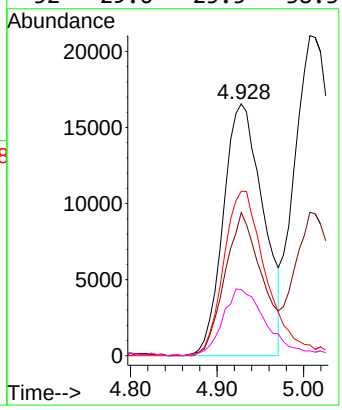


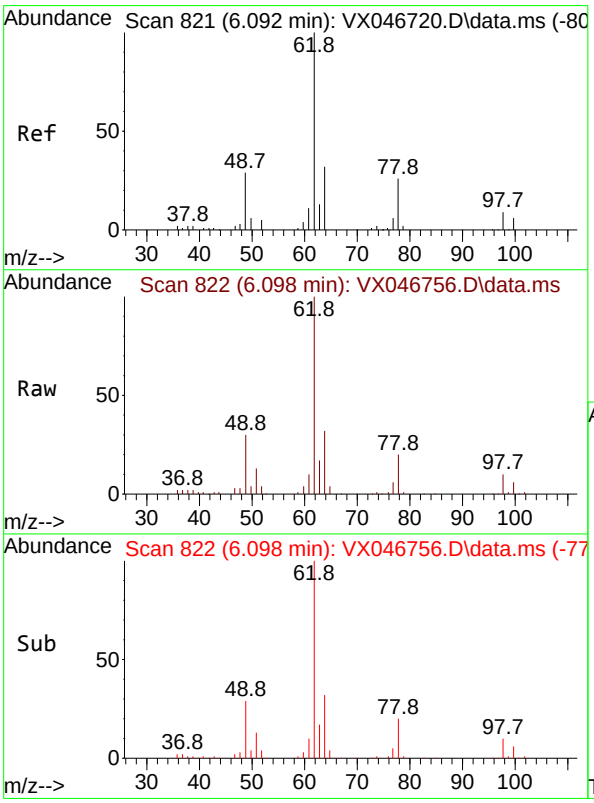

#41
Methacrylonitrile
Concen: 45.912 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 52937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.8 | 45.9 | 68.9 |
| 67 | 70.6 | 61.2 | 91.8 |
| 52 | 29.6 | 25.5 | 38.3 |

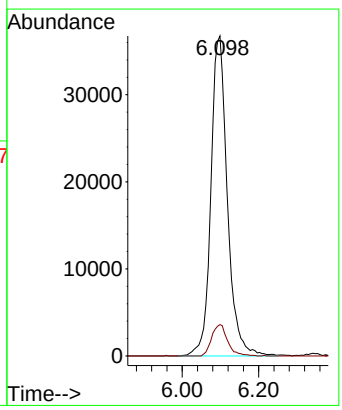


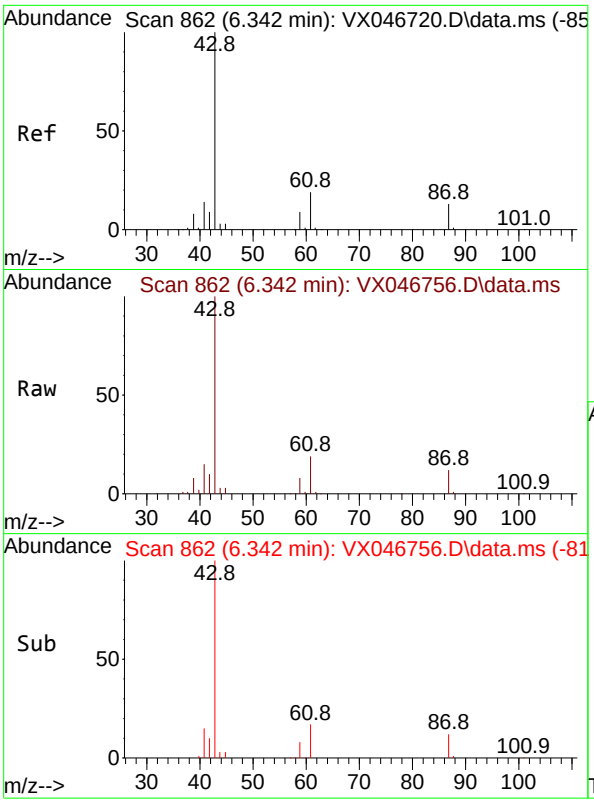




#42
1,2-Dichloroethane
Concen: 45.085 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 62 Resp: 109861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.5 | 0.0 | 17.8 |



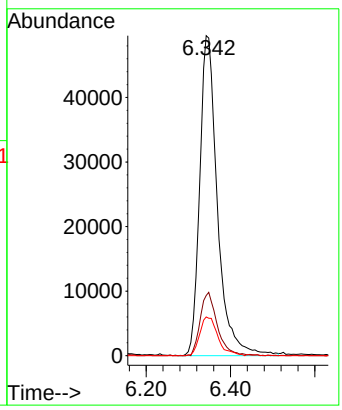


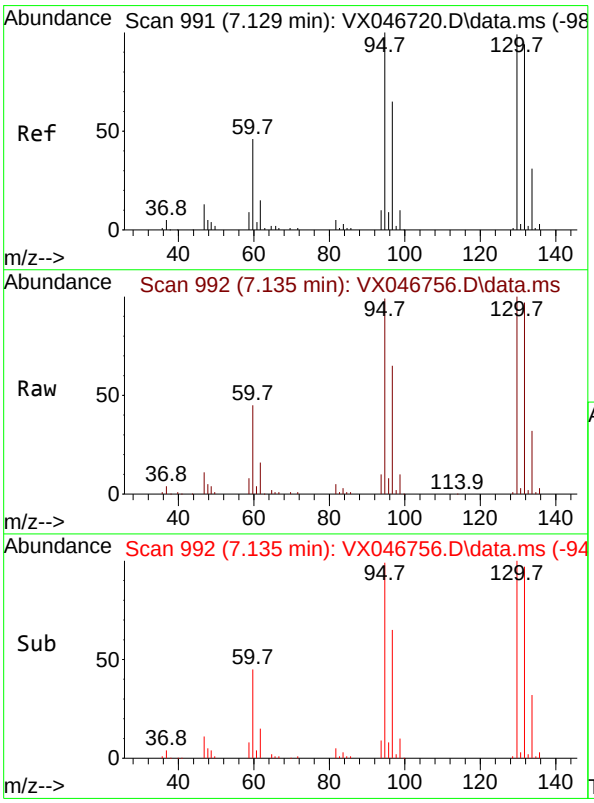

#43
Isopropyl Acetate
Concen: 42.913 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 145231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.3 | 22.9 |
| 87 | 12.3 | 10.0 | 15.0 |

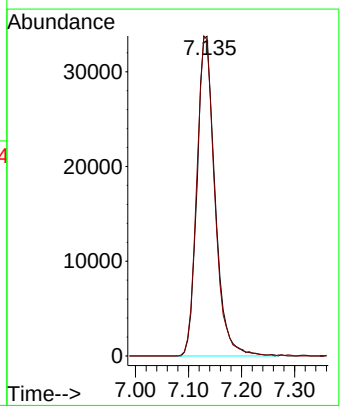


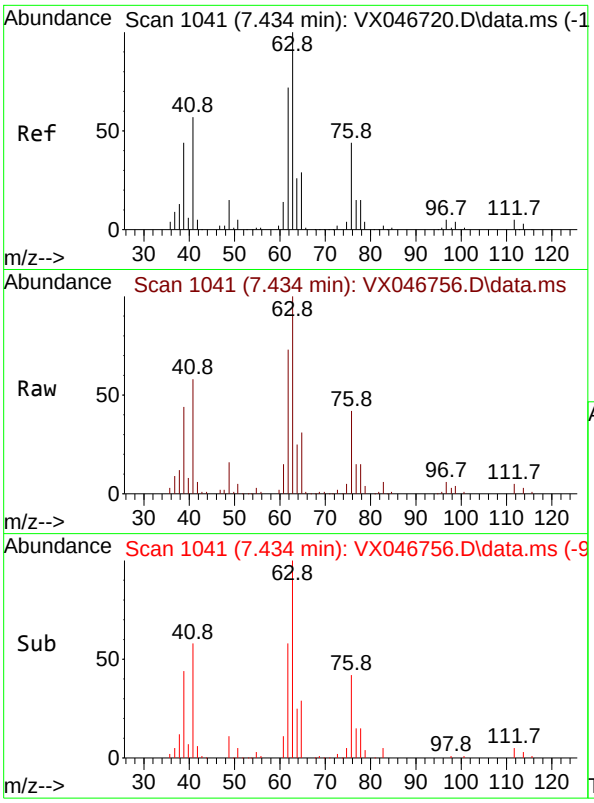




#44
Trichloroethene
Concen: 45.127 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:130 Resp: 79747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 202.6 |



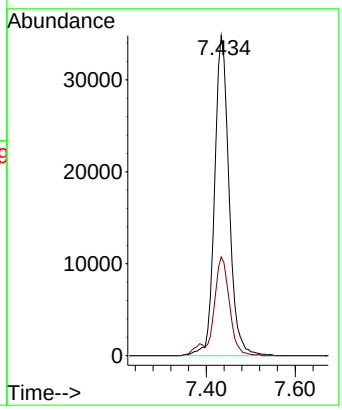


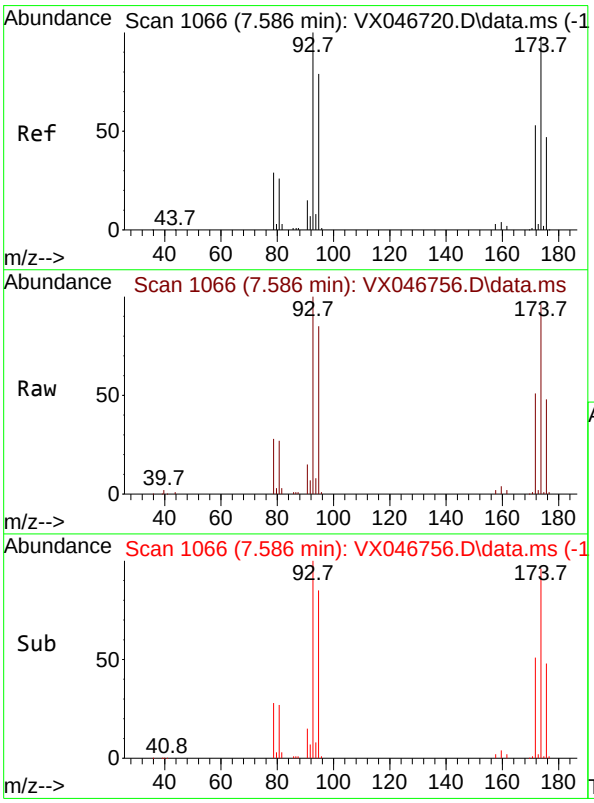

#45
1,2-Dichloropropane
Concen: 45.784 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 78681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 22.9 | 34.3 |

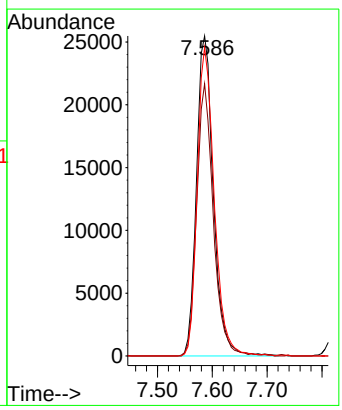


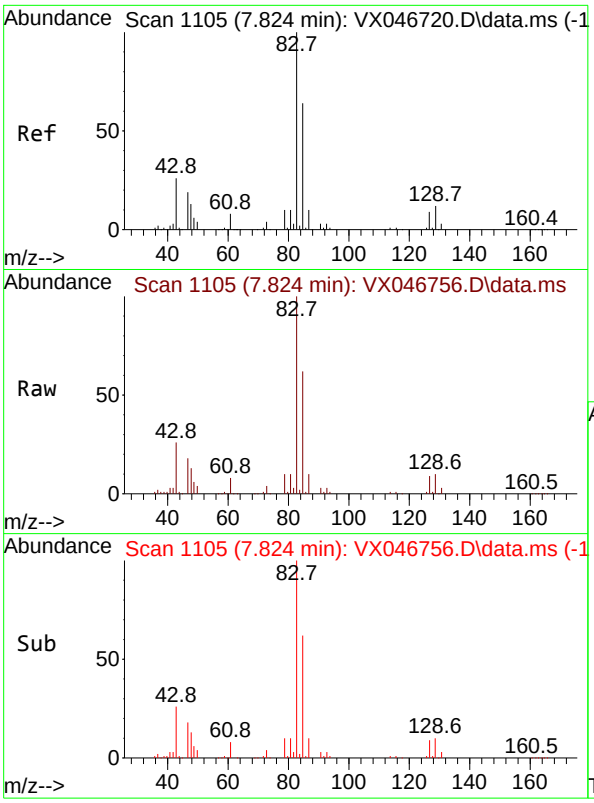




#46
Dibromomethane
Concen: 44.330 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 93 Resp: 54751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.7 | 66.2 | 99.4 |
| 174 | 96.7 | 77.0 | 115.6 |



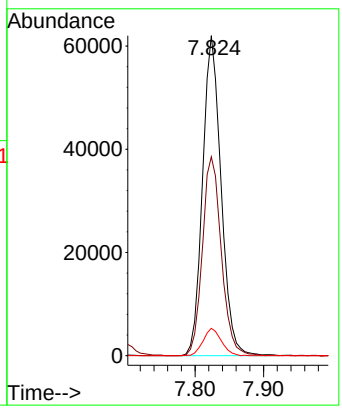


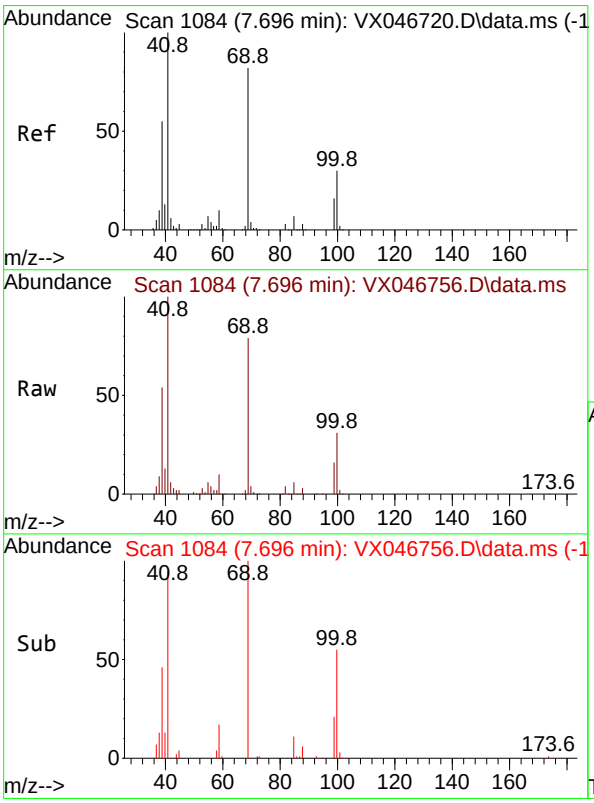

#47
Bromodichloromethane
Concen: 46.281 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 116648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 51.4 | 77.2 |
| 127 | 8.6 | 6.9 | 10.3 |

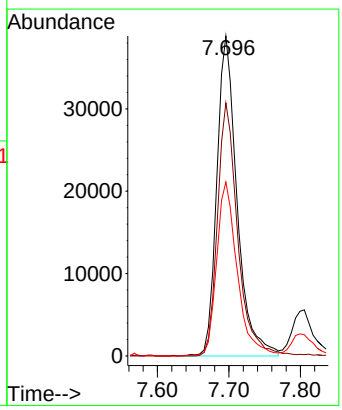


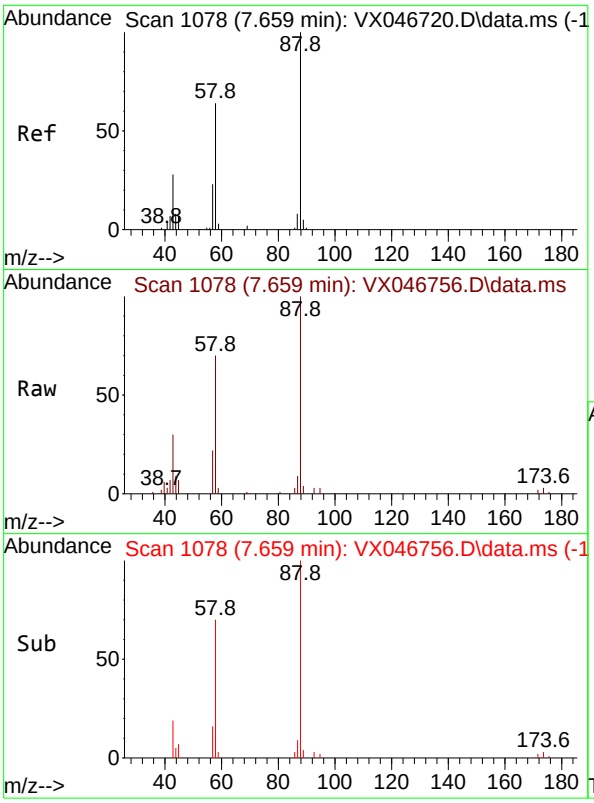




#48
Methyl methacrylate
Concen: 45.018 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 41 Resp: 76410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 55.2 | 45.4 | 68.0 |



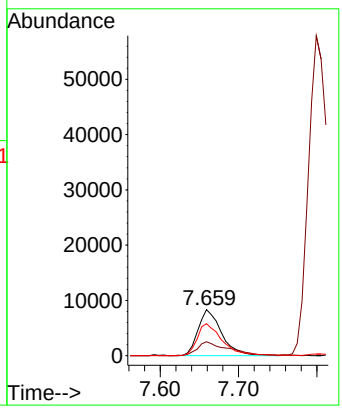


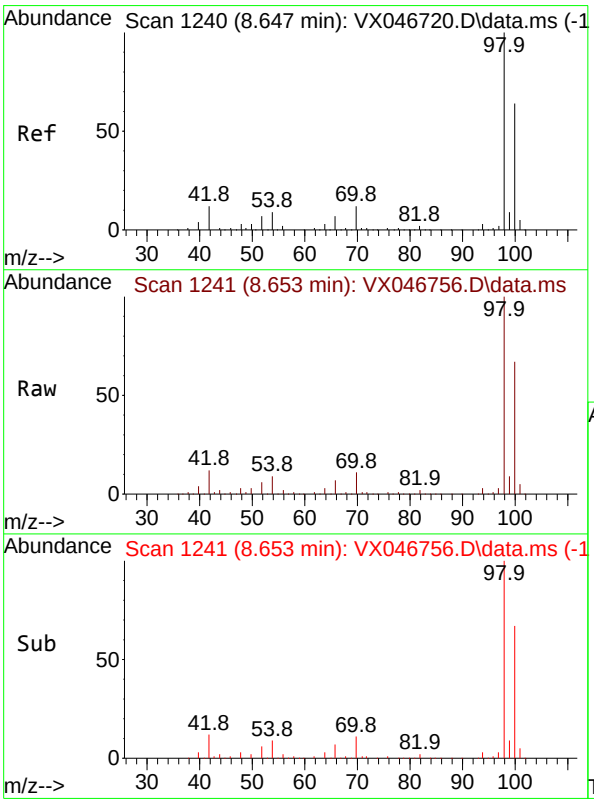

#49
1,4-Dioxane
Concen: 709.769 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 17317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 31.2 | 46.8 |
| 58 | 74.5 | 54.7 | 82.1 |

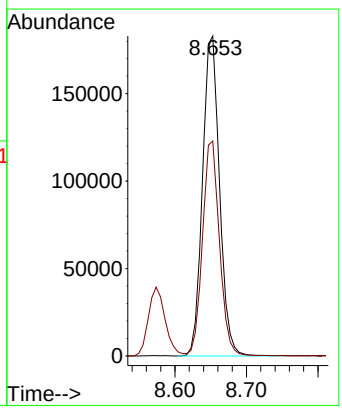


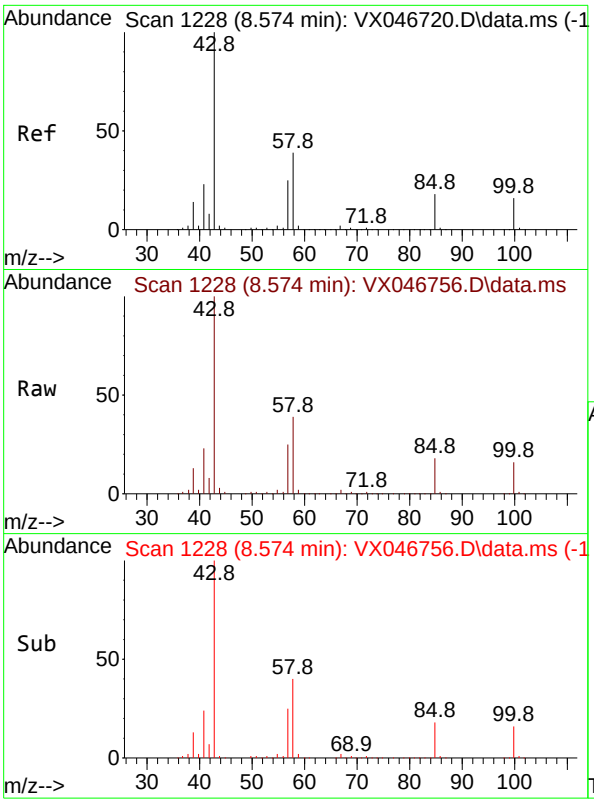




#50
Toluene-d8
Concen: 51.878 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 98 Resp: 302526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |



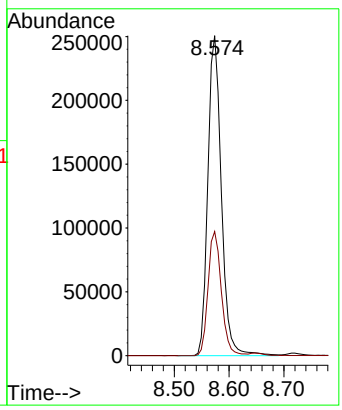


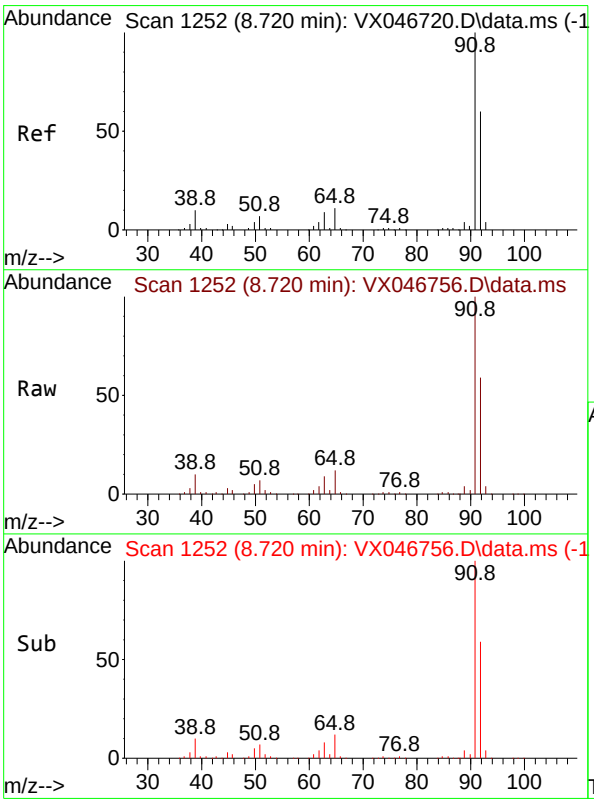

#51
4-Methyl-2-Pentanone
Concen: 211.334 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 426571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 30.8 | 46.2 |

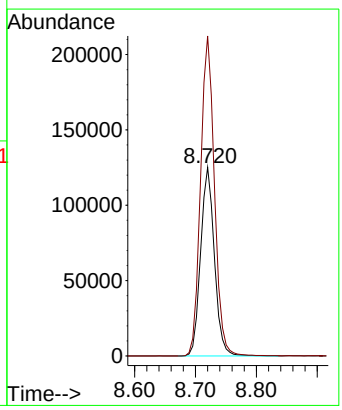


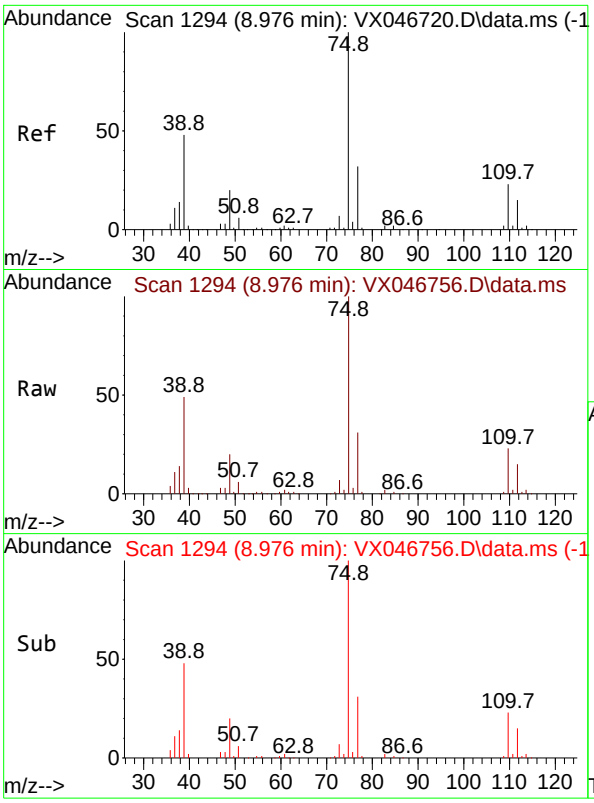




#52
Toluene
Concen: 45.706 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 92 Resp: 196480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.2 | 134.8 | 202.2 |



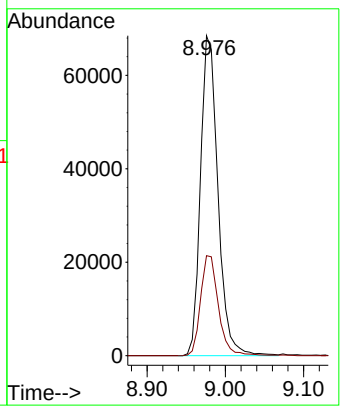


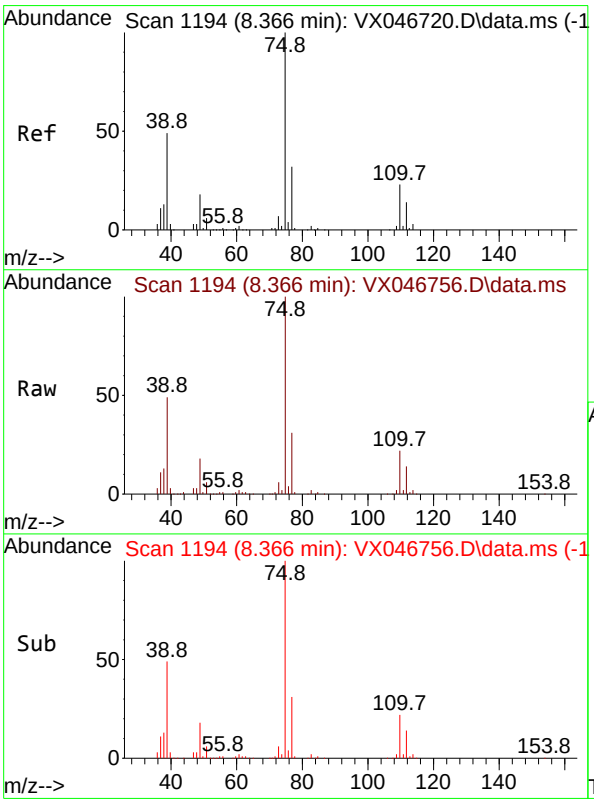

#53
t-1,3-Dichloropropene
Concen: 45.294 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 105920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.6 | 38.4 |

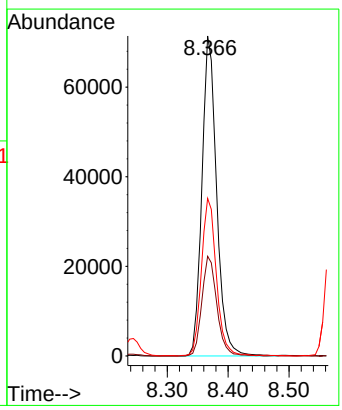


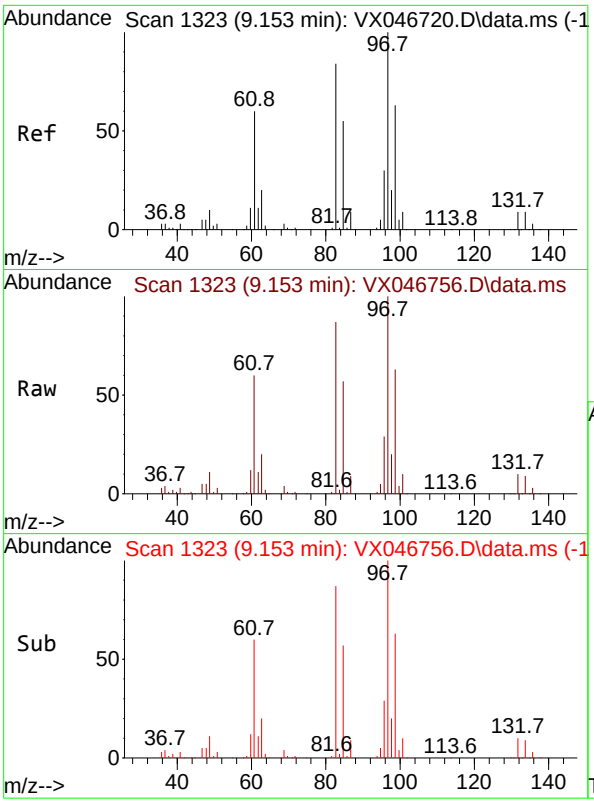




#54
cis-1,3-Dichloropropene
Concen: 45.205 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 120007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.3 | 37.9 |
| 39 | 49.2 | 39.2 | 58.8 |



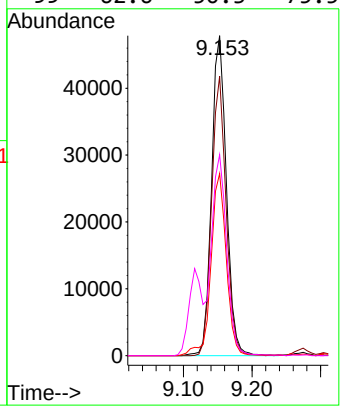


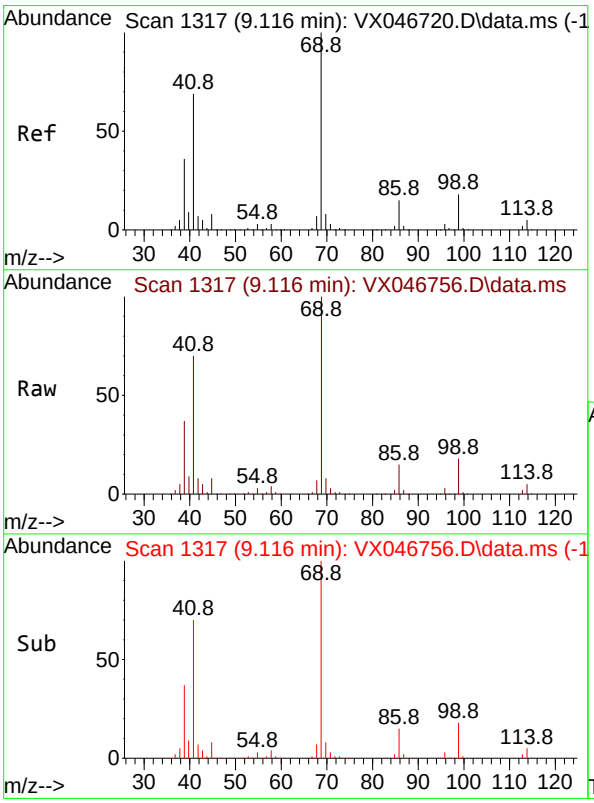

#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 72014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.3 | 67.2 | 100.8 |
| 85 | 56.9 | 44.1 | 66.1 |
| 99 | 62.6 | 50.3 | 75.5 |

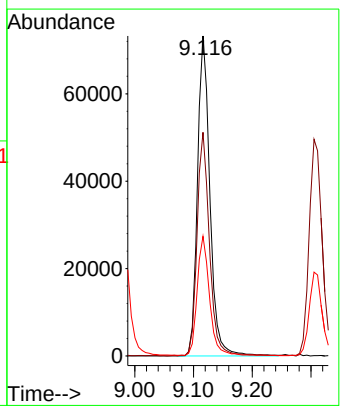


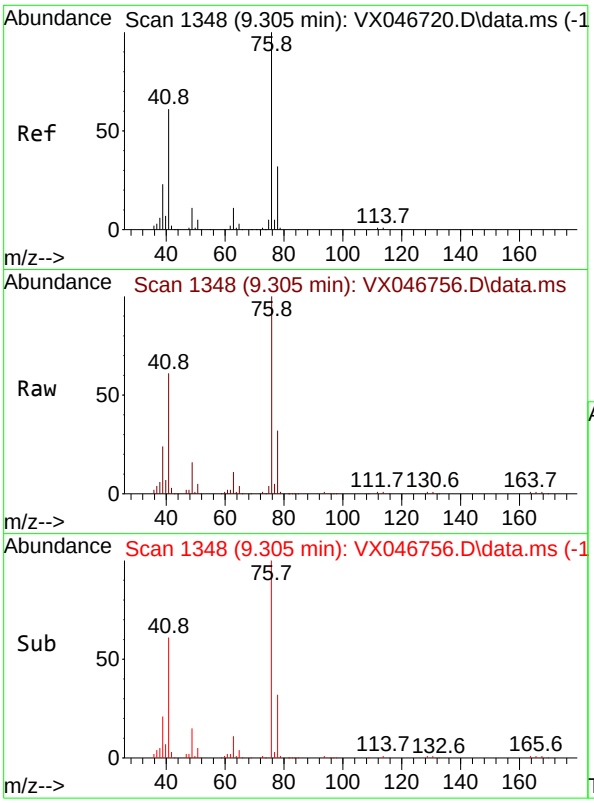




#56
Ethyl methacrylate
Concen: 45.449 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 69 Resp: 107478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 55.4 | 83.2 |
| 39 | 36.8 | 29.7 | 44.5 |



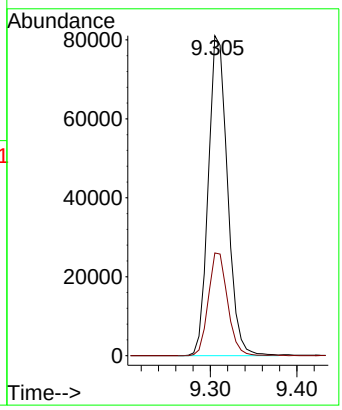


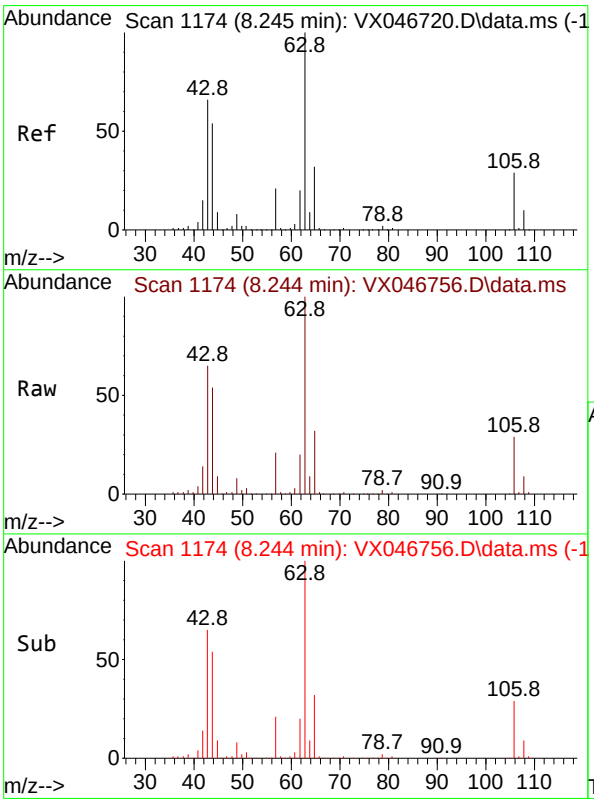

#57
1,3-Dichloropropane
Concen: 45.123 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 124482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.7 | 38.5 |

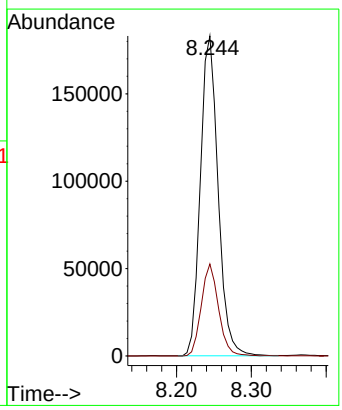


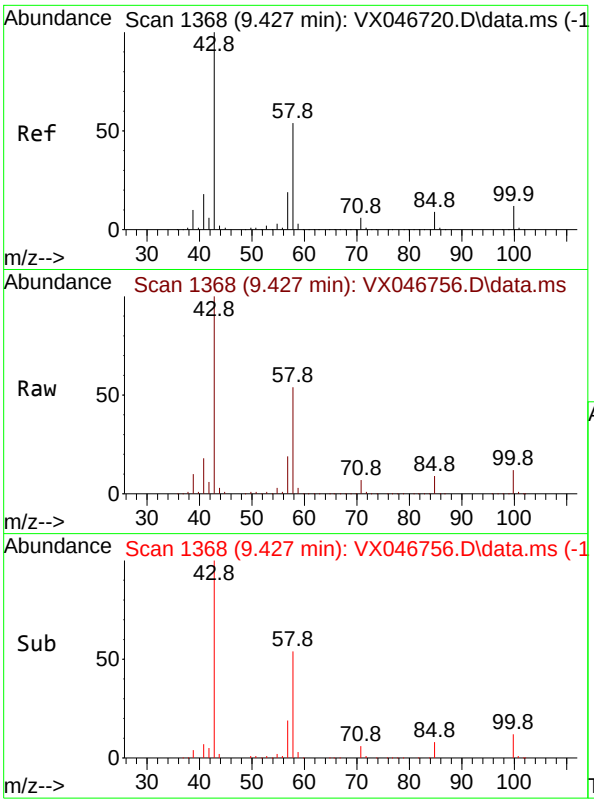




#58
2-Chloroethyl Vinyl ether
Concen: 245.221 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 63 Resp: 301235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.0 | 22.6 | 34.0 |



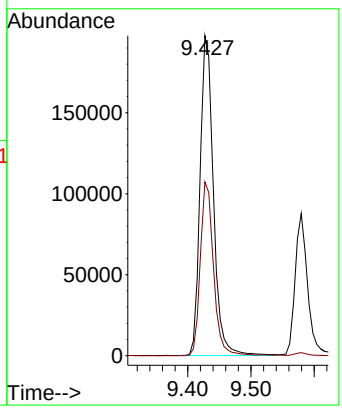


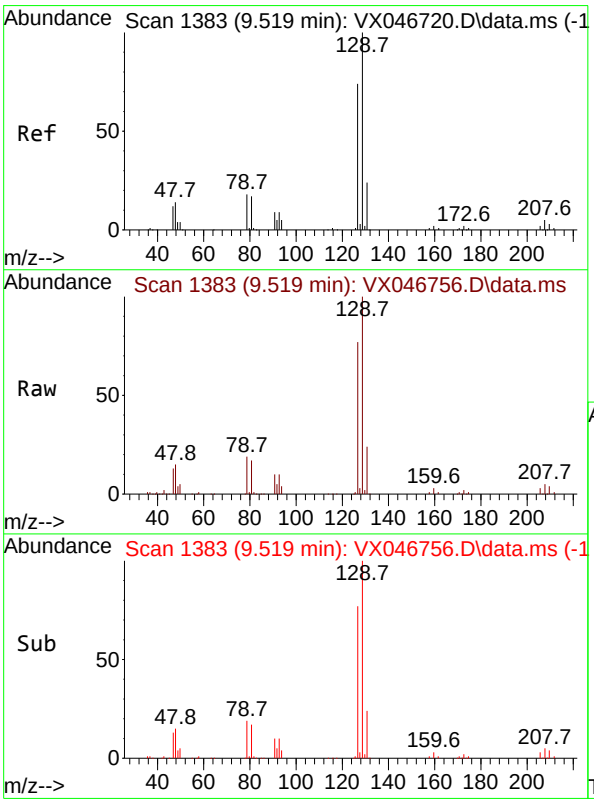

#59
2-Hexanone
Concen: 208.701 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 291231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 26.8 | 80.4 |

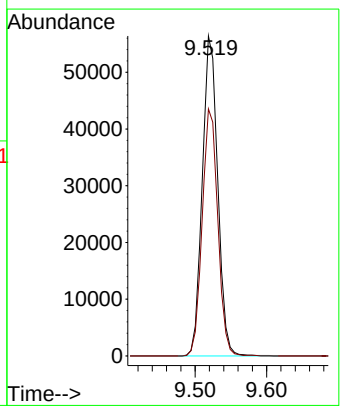


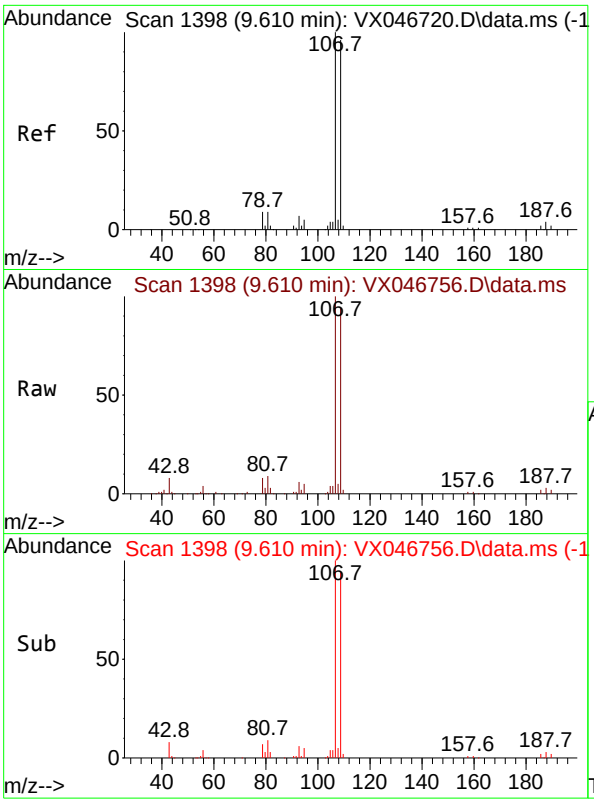




#60
Dibromochloromethane
Concen: 44.810 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:129 Resp: 84597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.4 | 115.2 |



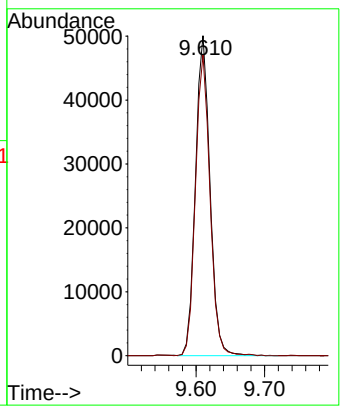


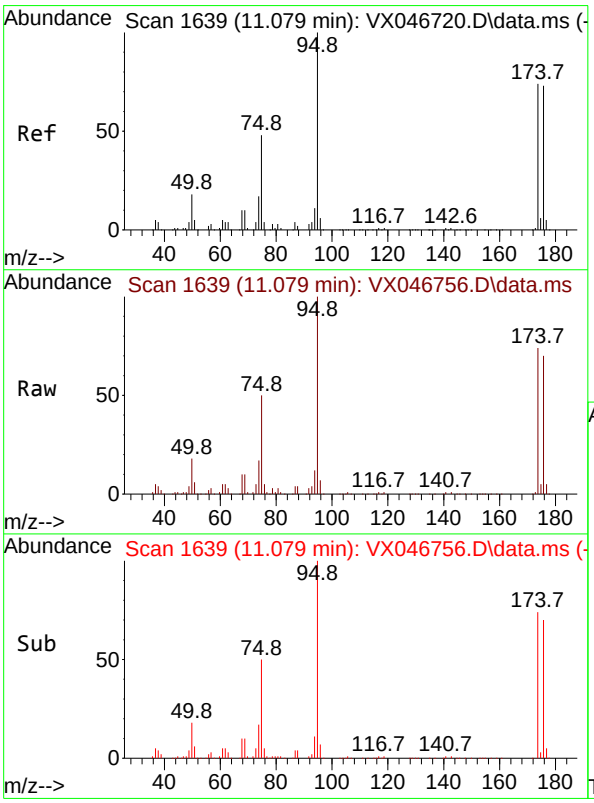

#61
1,2-Dibromoethane
Concen: 45.493 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 74132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 75.8 | 113.6 |

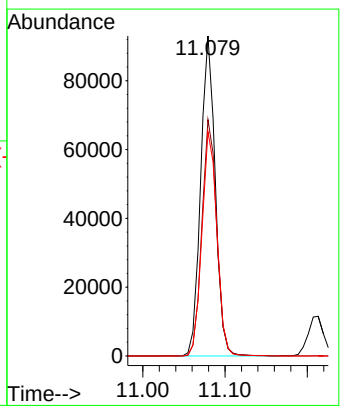


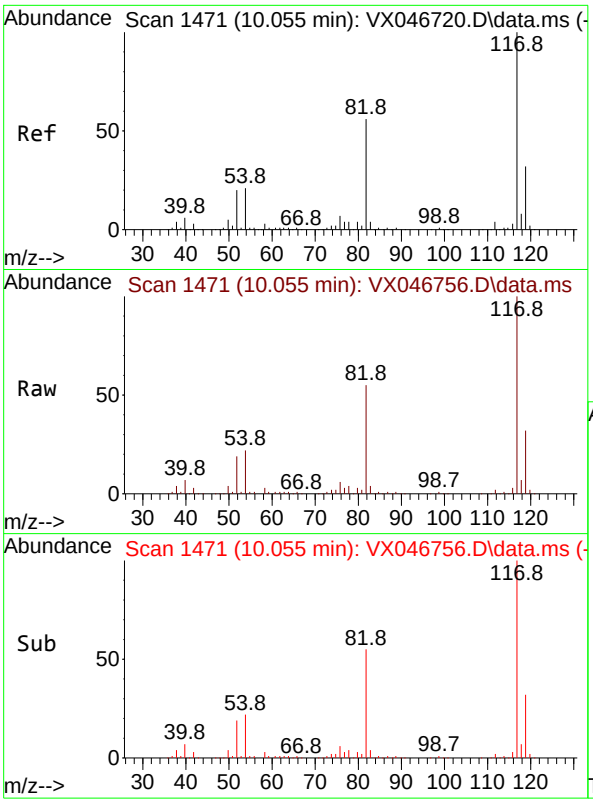




#62
4-Bromofluorobenzene
Concen: 52.773 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 95 Resp: 114717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.6 | 0.0 | 150.4 |
| 176 | 72.3 | 0.0 | 145.0 |



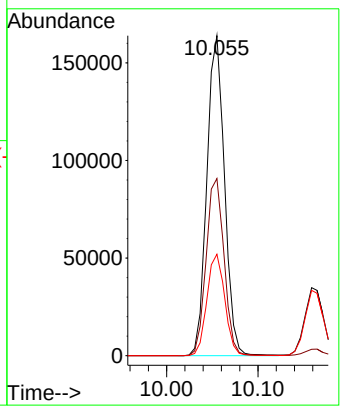


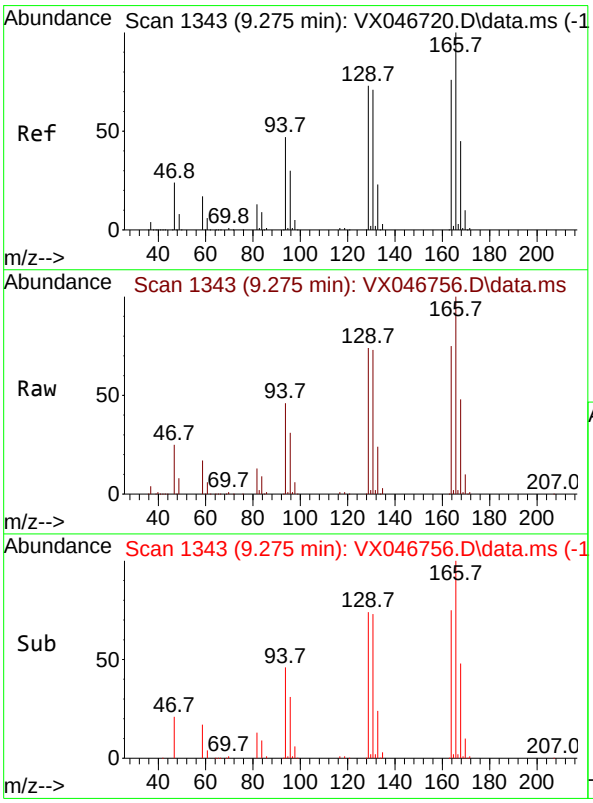

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 219512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 44.6 | 66.8 |
| 119 | 31.7 | 25.8 | 38.8 |

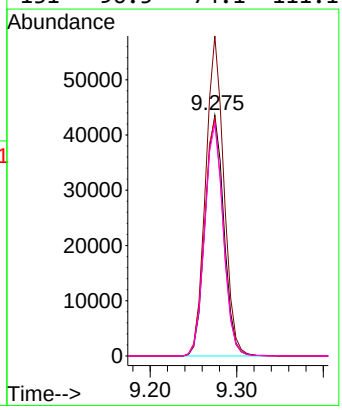


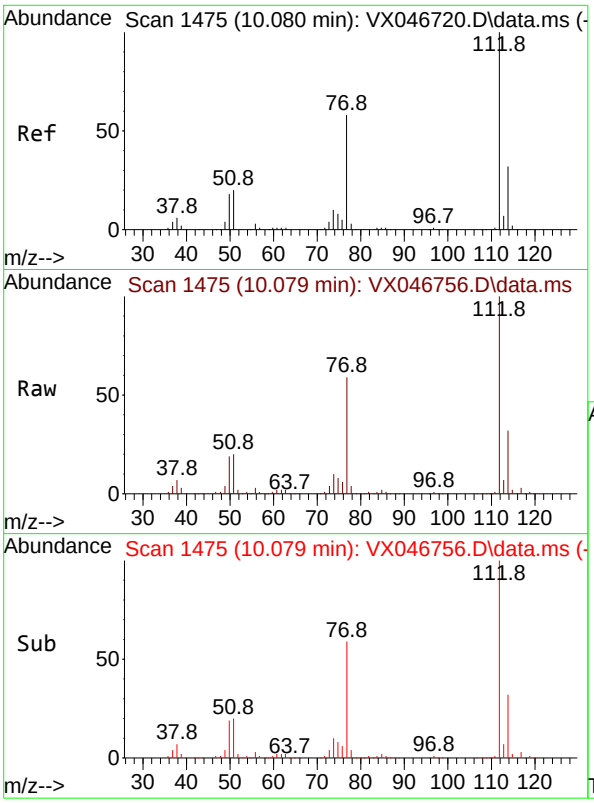




#64
Tetrachloroethene
Concen: 43.220 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:164 Resp: 65730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.9 | 104.6 | 157.0 |
| 129 | 98.5 | 76.3 | 114.5 |
| 131 | 96.5 | 74.1 | 111.1 |



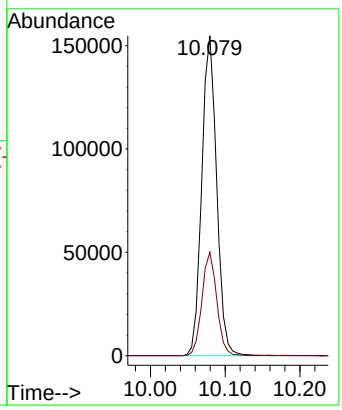


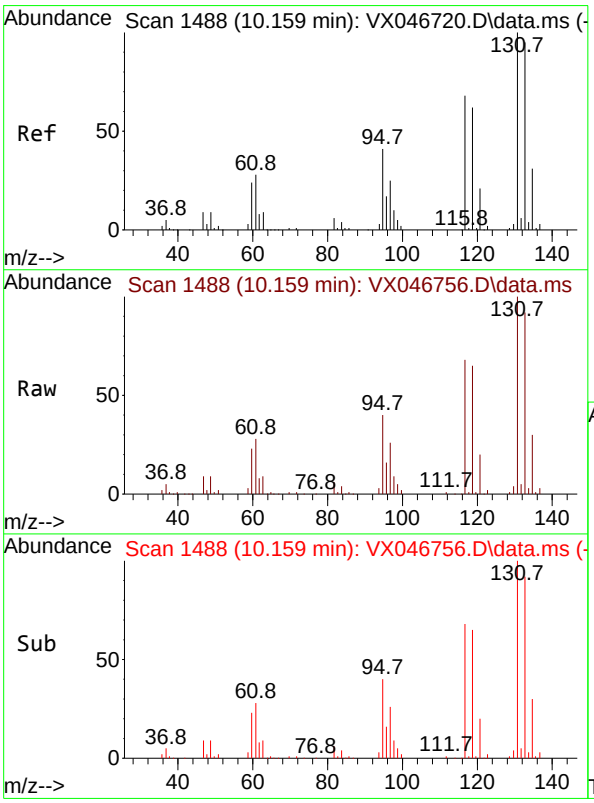

#65
Chlorobenzene
Concen: 44.211 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 214231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.5 | 38.3 |

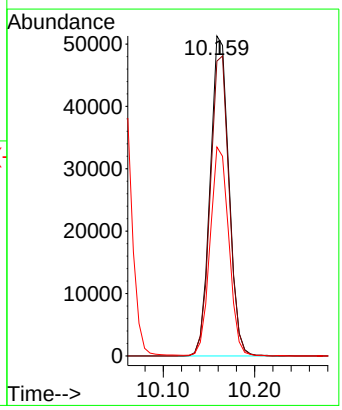


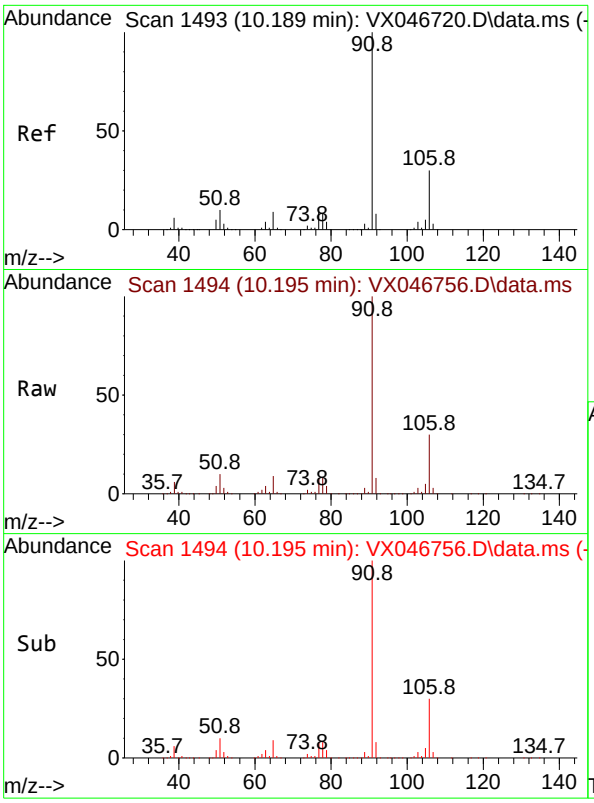




#66
1,1,1,2-Tetrachloroethane
Concen: 44.807 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:131 Resp: 72969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.5 | 47.3 | 141.8 |
| 119 | 65.3 | 32.1 | 96.3 |



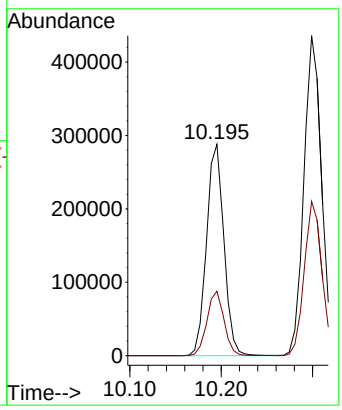


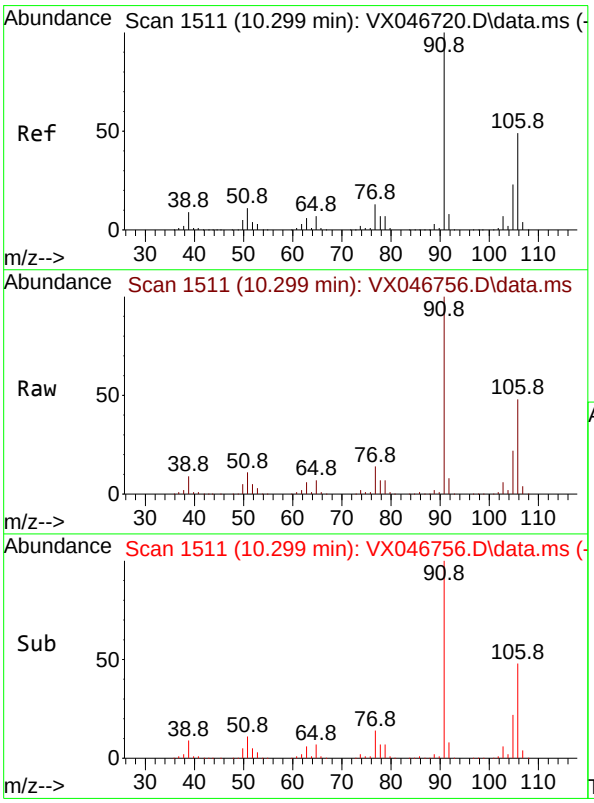

#67
Ethyl Benzene
Concen: 44.751 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 378885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.2 | 36.2 |

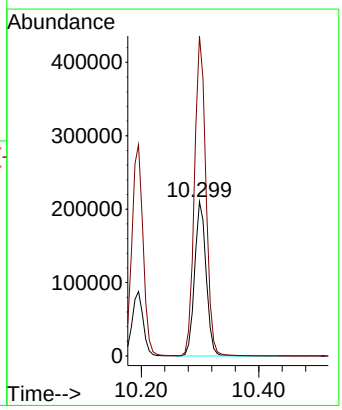


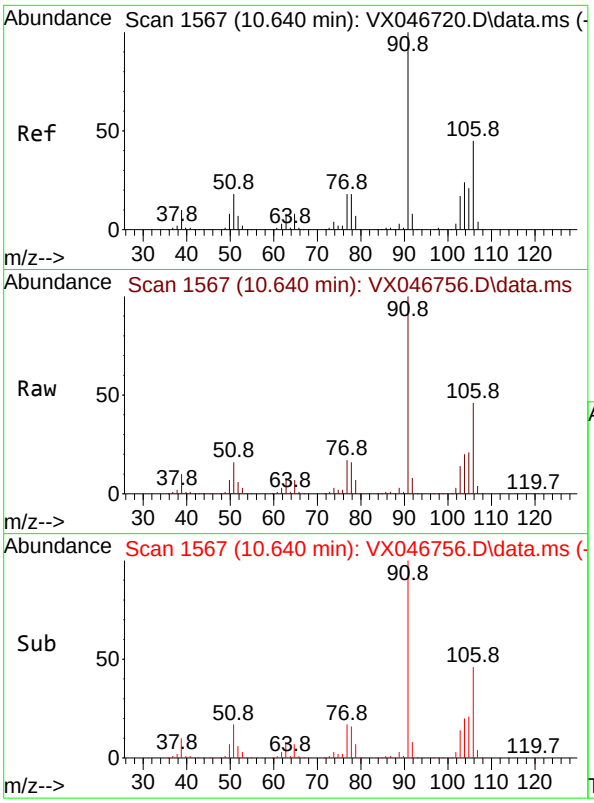




#68
m/p-Xylenes
Concen: 90.331 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:106 Resp: 284969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.8 | 164.8 | 247.2 |



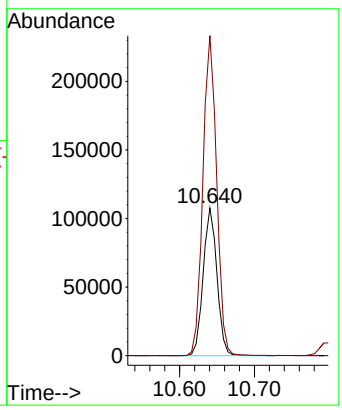


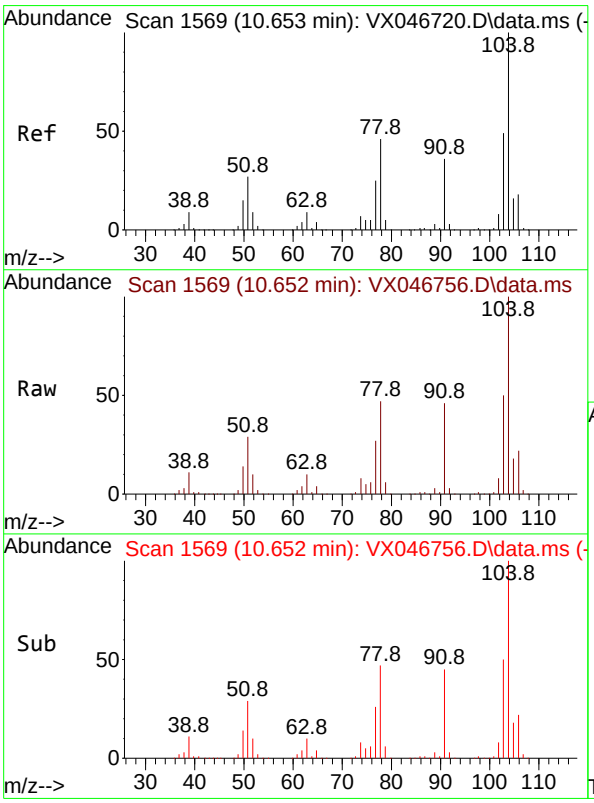

#69
o-Xylene
Concen: 46.579 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 137712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.6 | 111.3 | 333.9 |

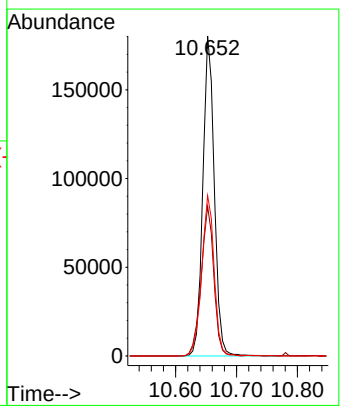


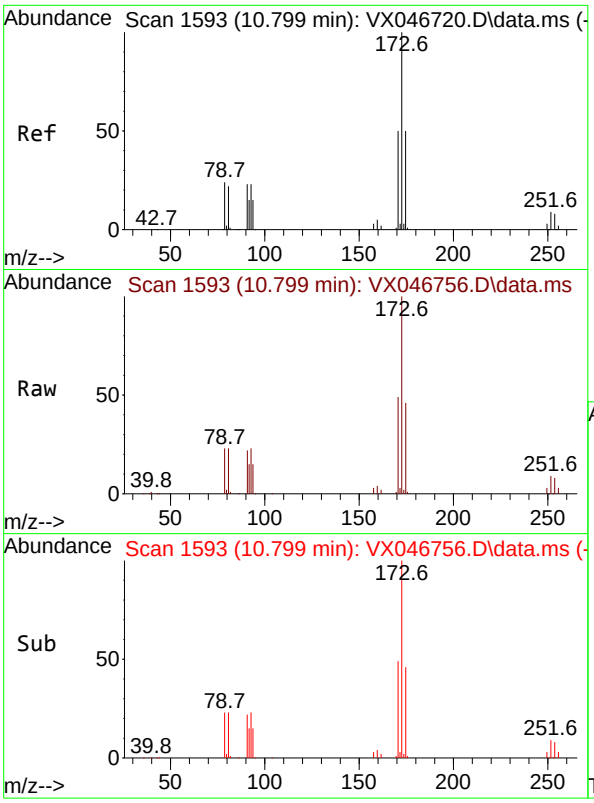




#70
Styrene
Concen: 45.677 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:104 Resp: 236334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.5 | 41.4 | 62.2 |
| 103 | 54.5 | 43.1 | 64.7 |



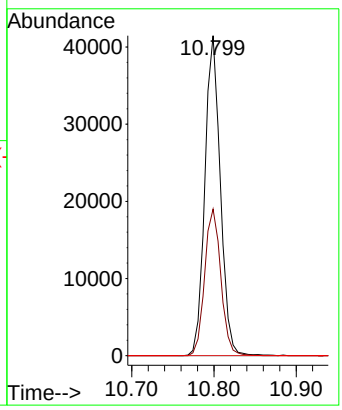


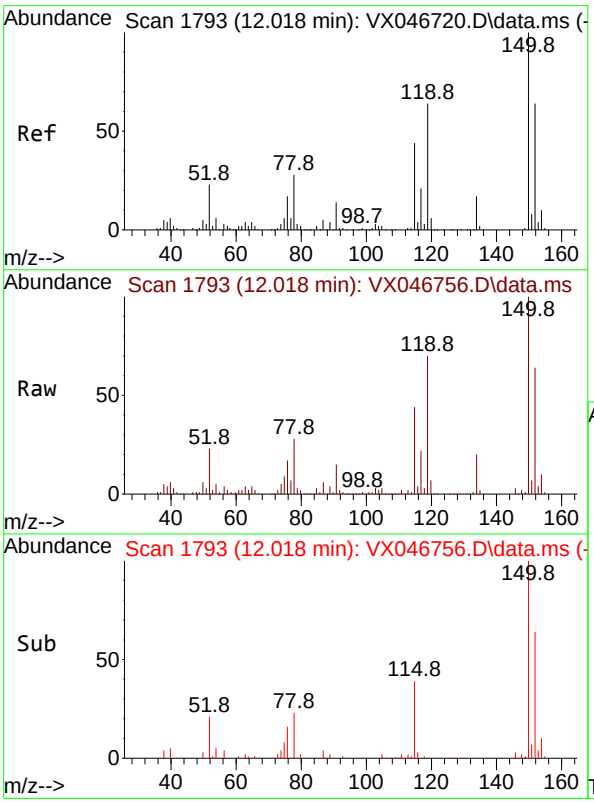

#71
Bromoform
Concen: 43.738 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 54246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

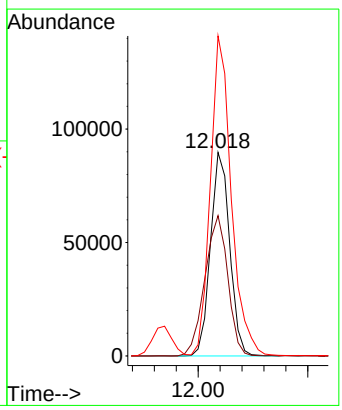


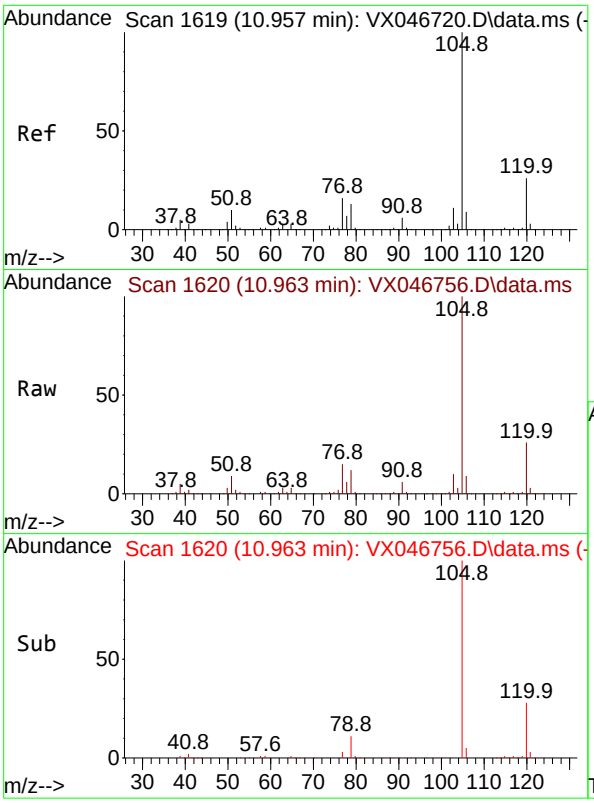




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:152 Resp: 108993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 82.4 | 43.2 | 129.6 |
| 150 | 172.0 | 0.0 | 346.8 |



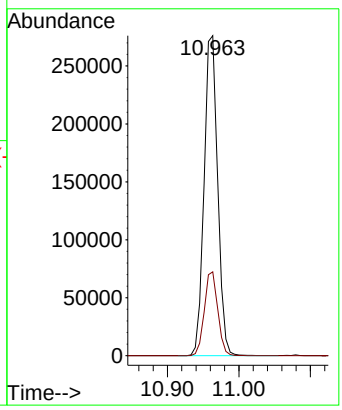


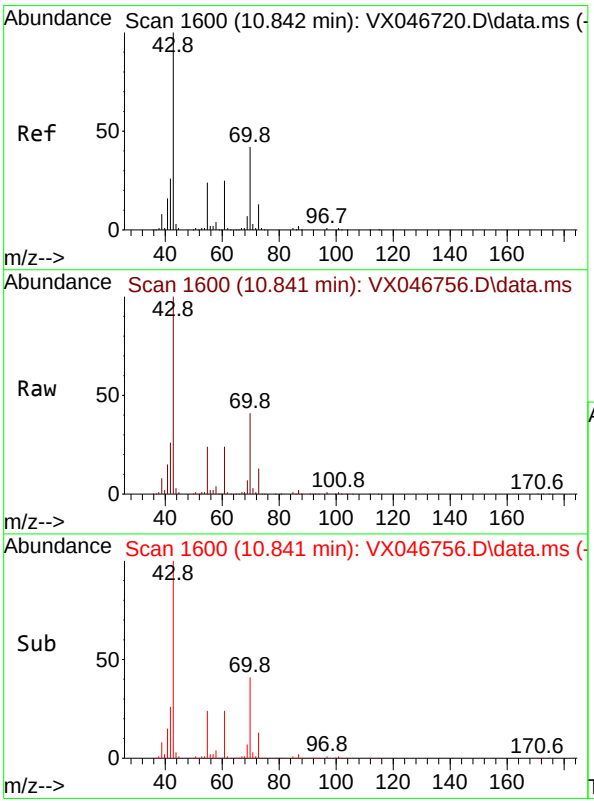

#73
Isopropylbenzene
Concen: 45.390 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 364363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |

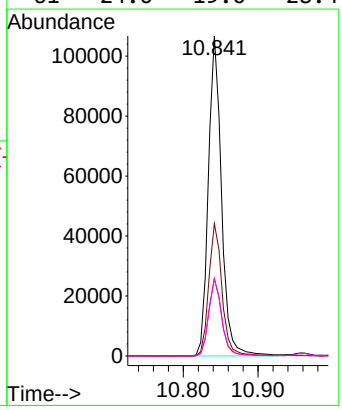


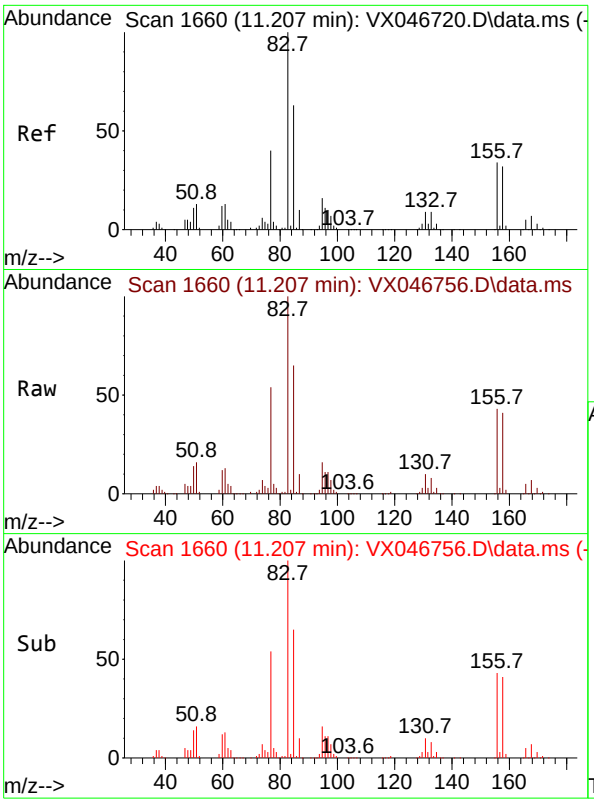




#74
N-amyl acetate
Concen: 42.930 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 43 Resp: 130567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.1 | 33.4 | 50.0 |
| 55 | 24.4 | 19.1 | 28.7 |
| 61 | 24.0 | 19.0 | 28.4 |



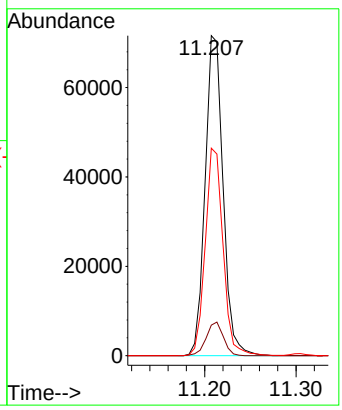


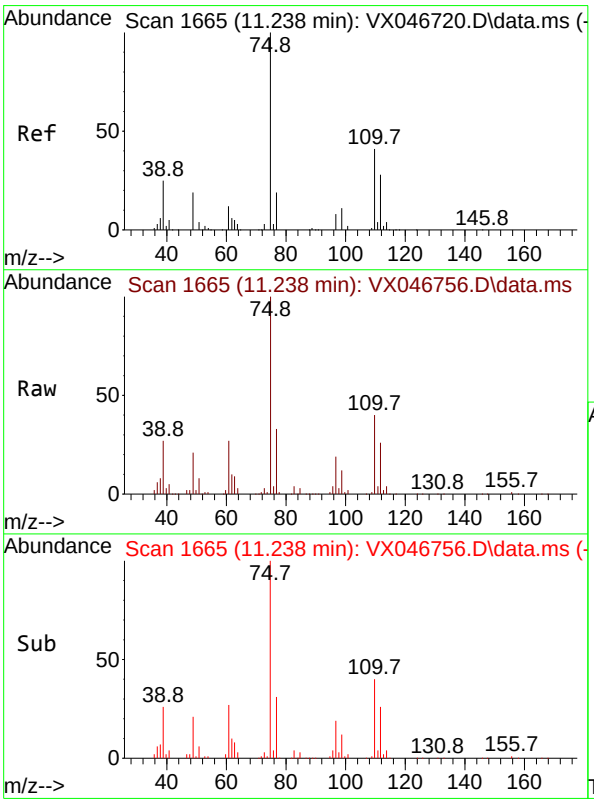

#75
1,1,2,2-Tetrachloroethane
Concen: 43.460 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 97413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 4.9 | 14.6 |
| 85 | 64.3 | 32.0 | 96.0 |

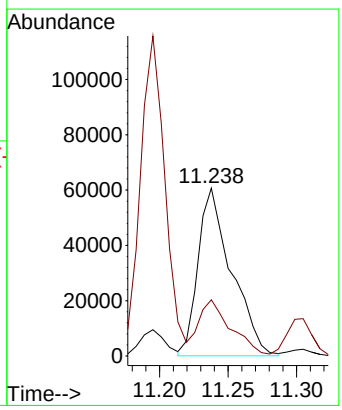


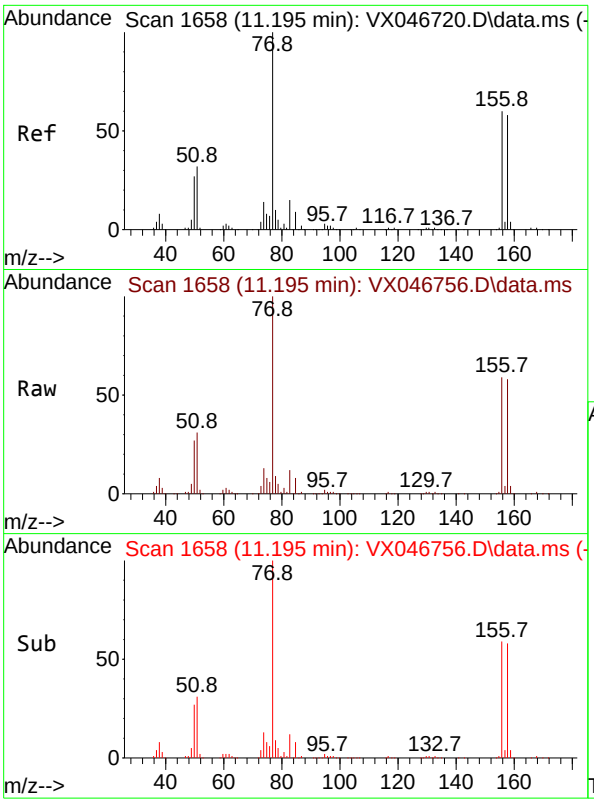




#76
1,2,3-Trichloropropane
Concen: 51.681 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 103168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.5 | 18.5 | 55.5 |



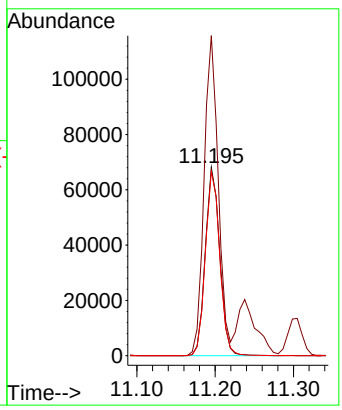


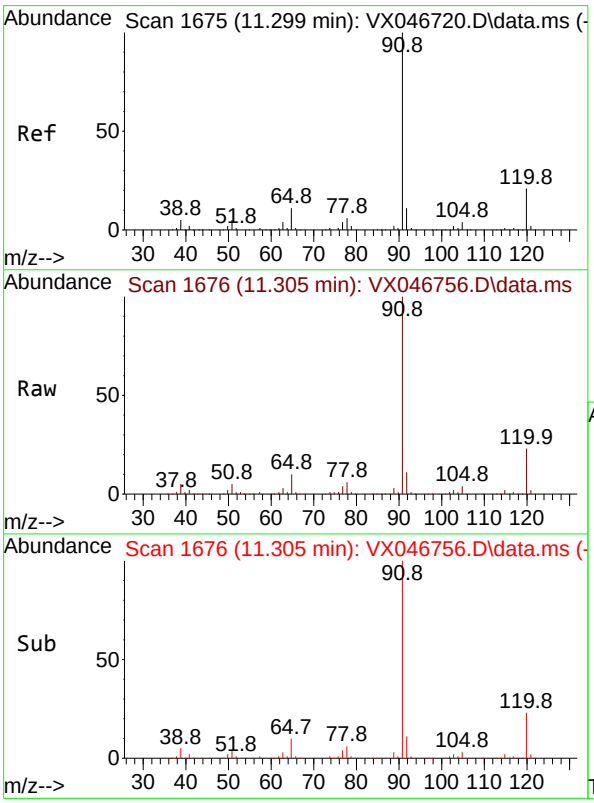

#77
Bromobenzene
Concen: 44.901 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 86736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.2 | 82.8 | 248.6 |
| 158 | 98.0 | 47.6 | 142.9 |

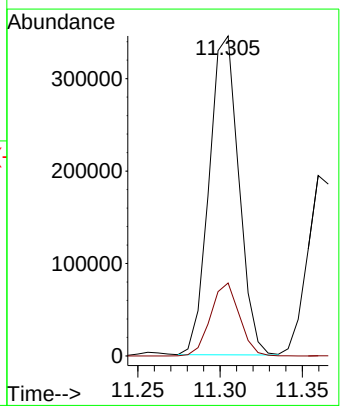


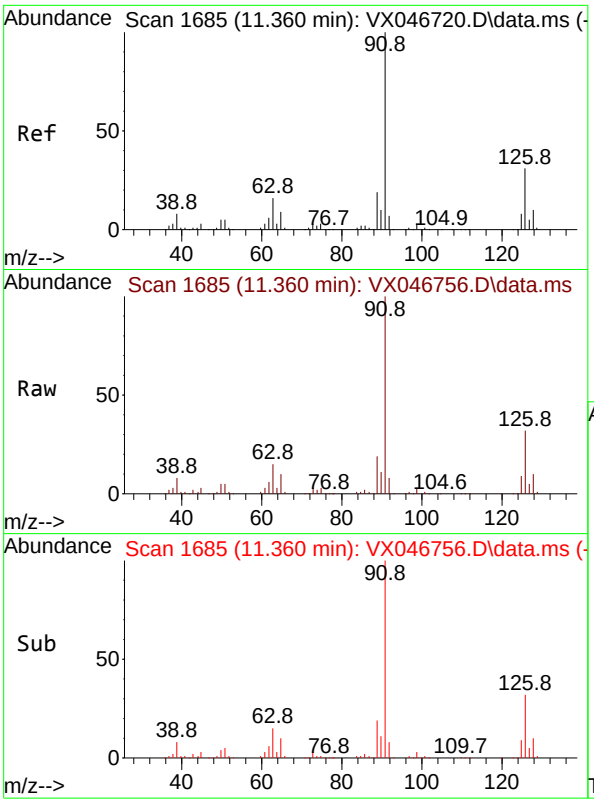




#78
n-propylbenzene
Concen: 45.483 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 91 Resp: 433663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 11.4 | 34.1 |



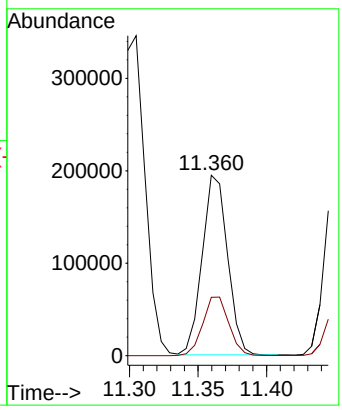


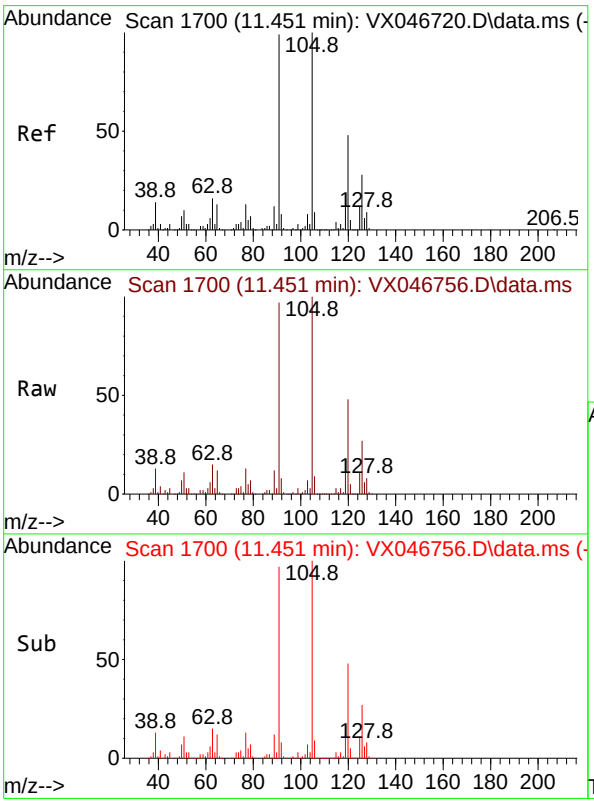

#79
2-Chlorotoluene
Concen: 44.031 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 250652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.6 | 49.7 |

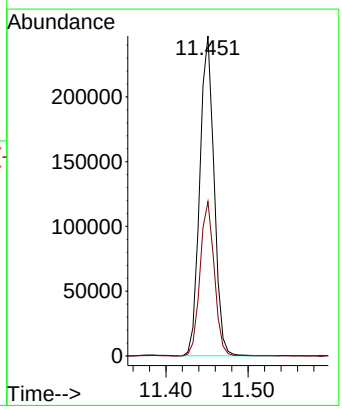


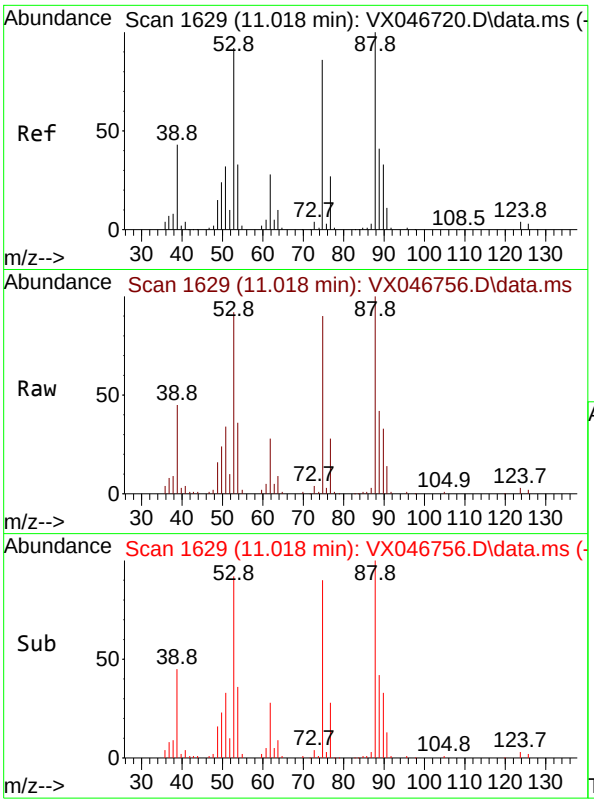




#80
1,3,5-Trimethylbenzene
Concen: 45.302 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 298840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.1 | 72.2 |



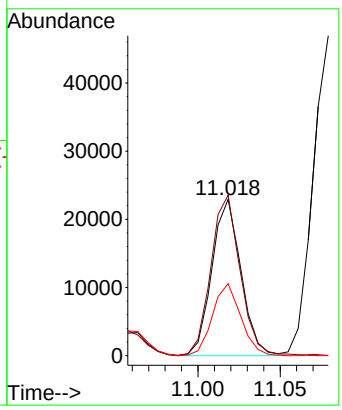


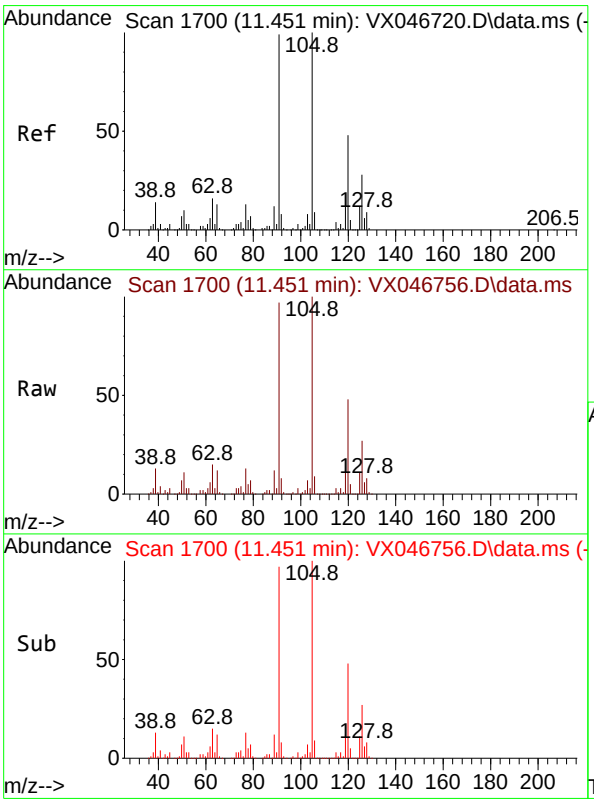

#81
trans-1,4-Dichloro-2-butene
Concen: 39.929 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 28199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.1 | 86.8 | 130.2 |
| 89 | 45.0 | 36.9 | 55.3 |

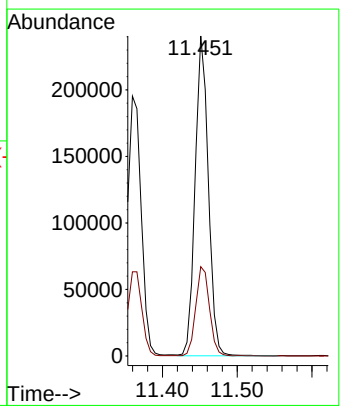


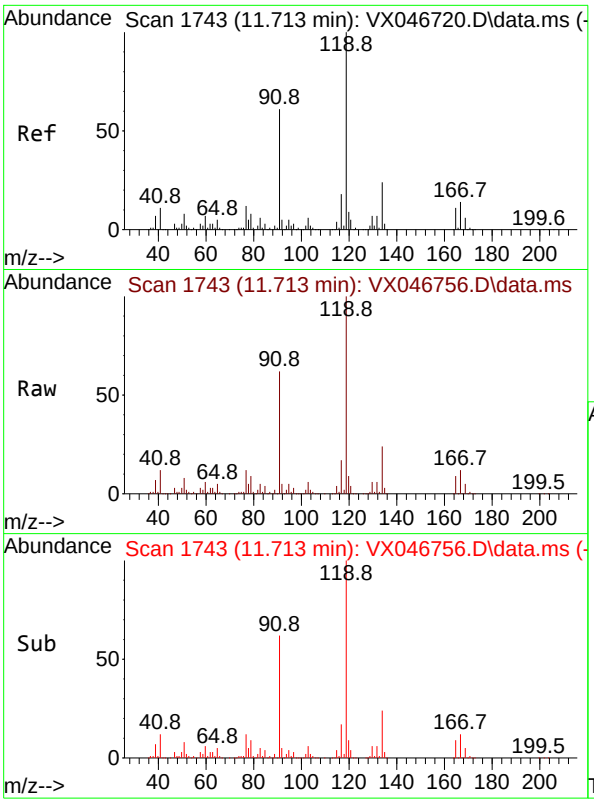




#82
4-Chlorotoluene
Concen: 44.330 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 91 Resp: 294514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.4 | 43.2 |



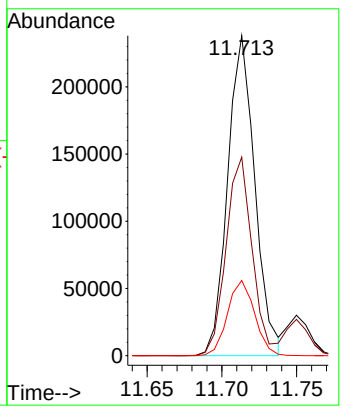


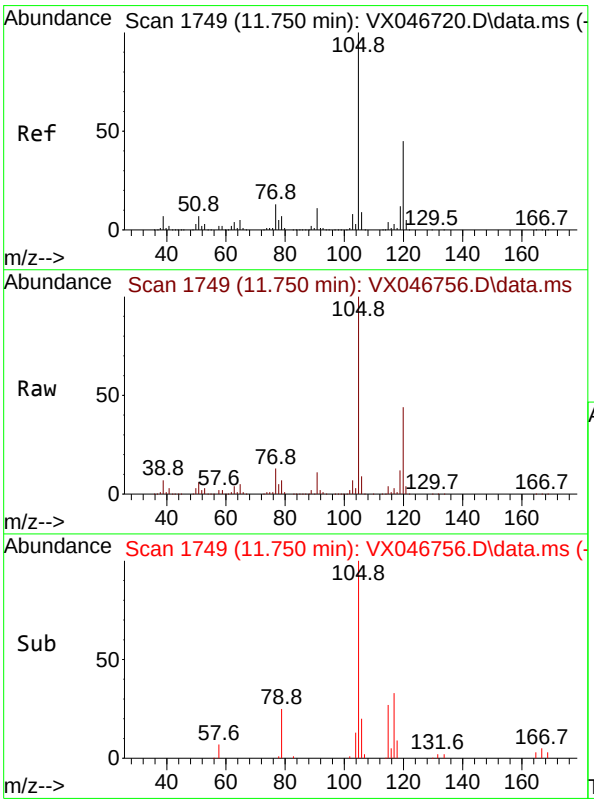

#83
tert-Butylbenzene
Concen: 44.204 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 301413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 29.5 | 88.6 |
| 134 | 23.4 | 11.7 | 35.0 |

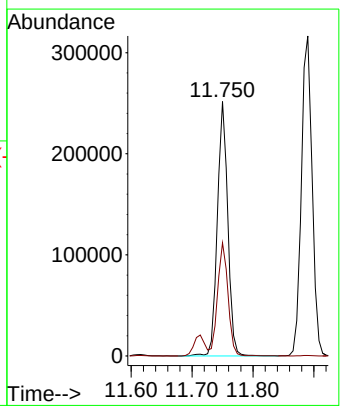


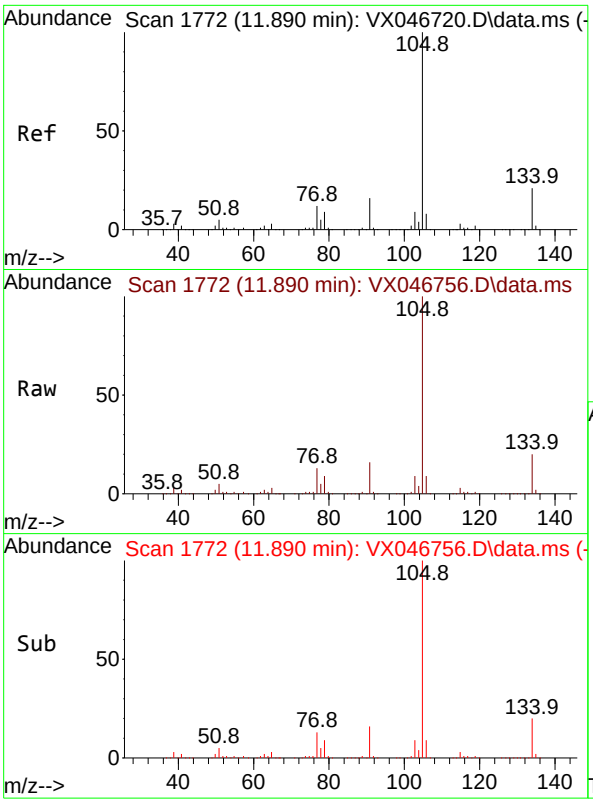




#84
1,2,4-Trimethylbenzene
Concen: 45.207 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:105 Resp: 299612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.1 | 66.3 |



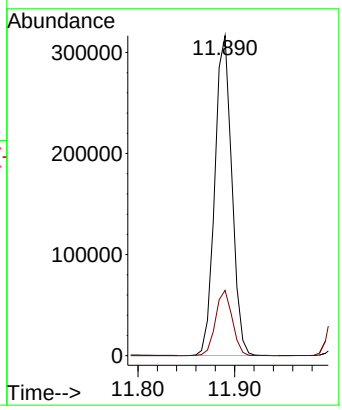


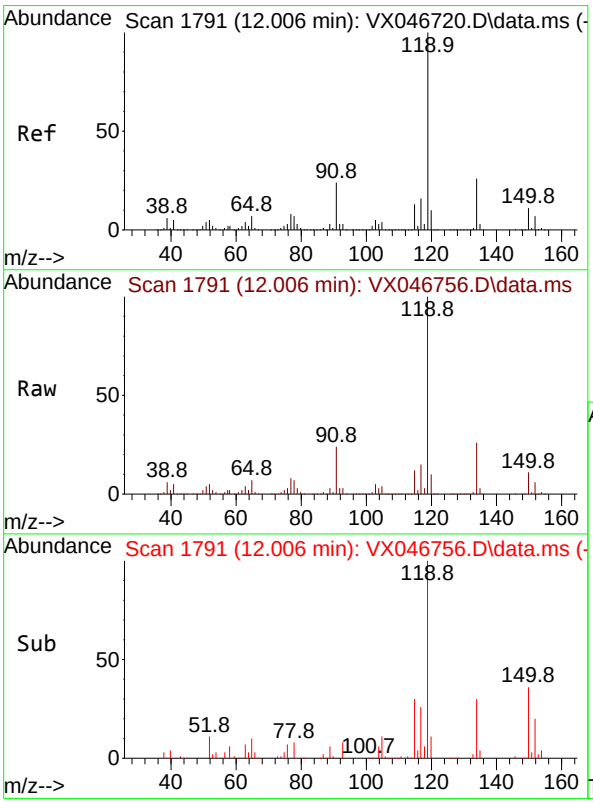

#85
sec-Butylbenzene
Concen: 44.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 386175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.2 | 9.8 | 29.4 |

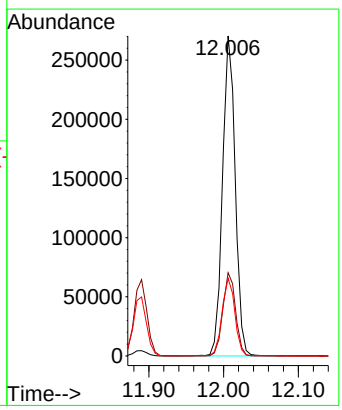


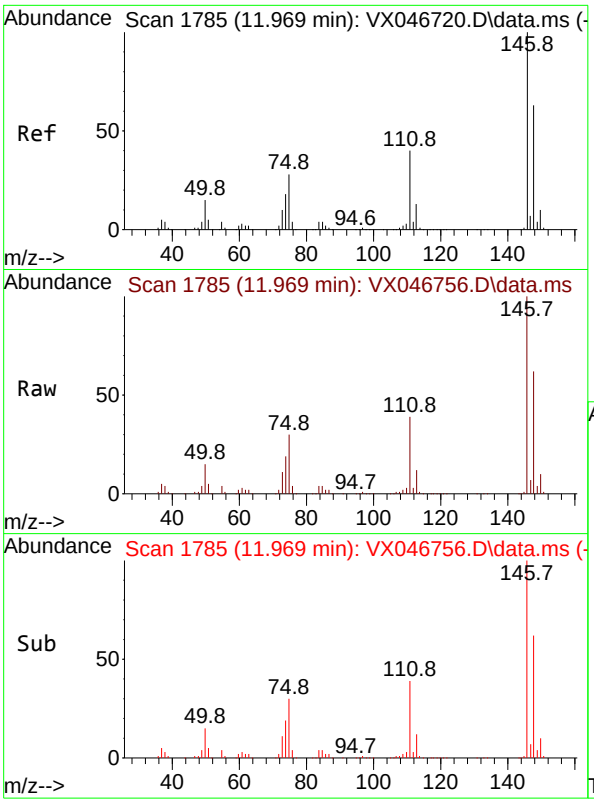




#86
p-Isopropyltoluene
Concen: 44.100 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:119 Resp: 320650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 12.9 | 38.7 |
| 91 | 24.3 | 12.3 | 36.9 |



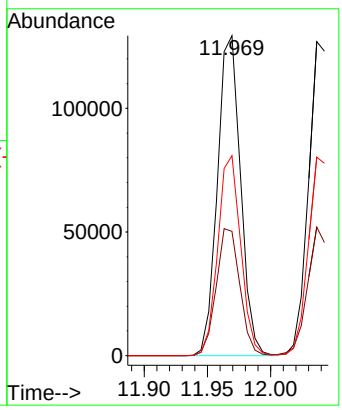


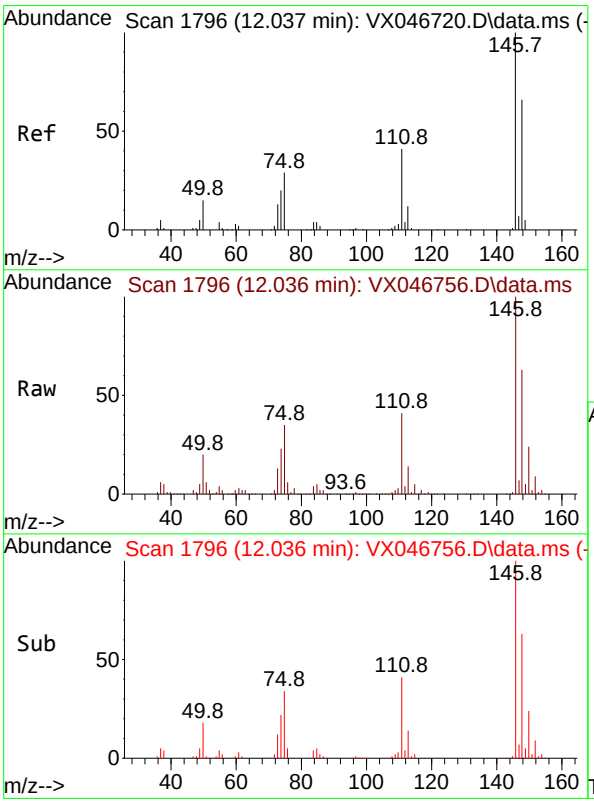

#87
1,3-Dichlorobenzene
Concen: 43.697 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 164581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.6 | 20.6 | 61.8 |
| 148 | 62.0 | 31.6 | 94.8 |

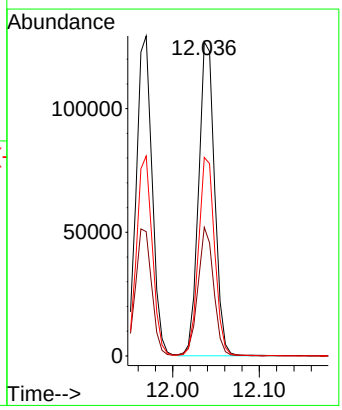


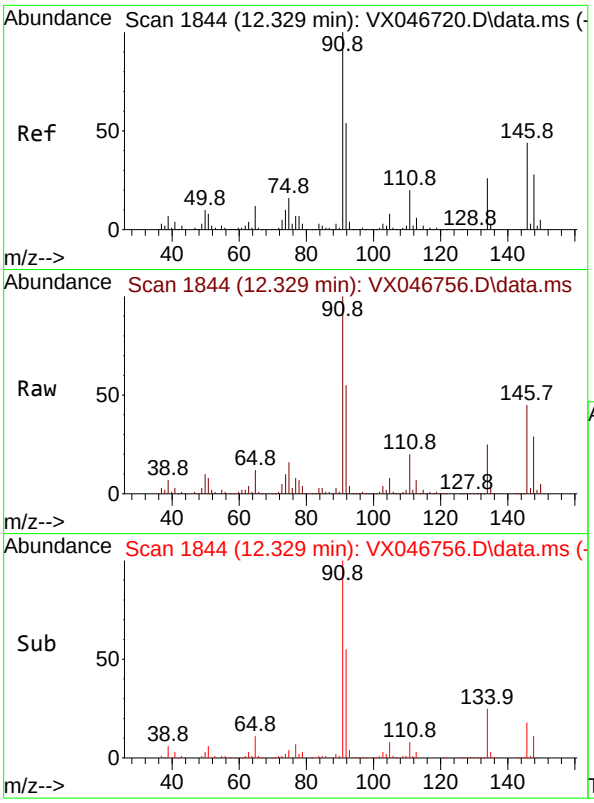




#88
1,4-Dichlorobenzene
Concen: 42.172 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:146 Resp: 163149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.3 | 61.0 |
| 148 | 64.2 | 32.1 | 96.5 |



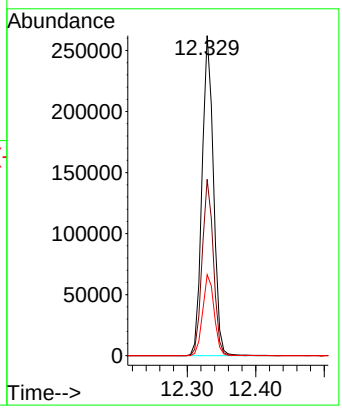


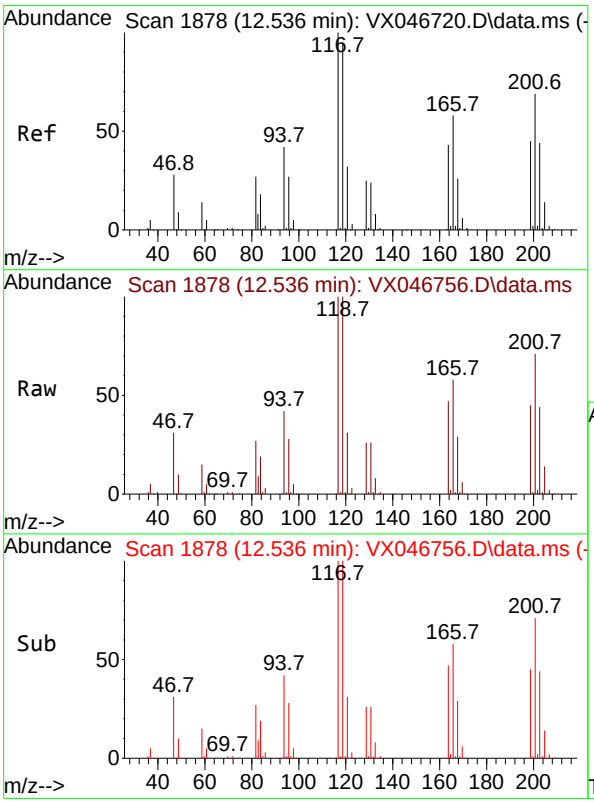

#89
n-Butylbenzene
Concen: 44.167 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 304915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.3 | 27.1 | 81.3 |
| 134 | 25.5 | 12.9 | 38.6 |

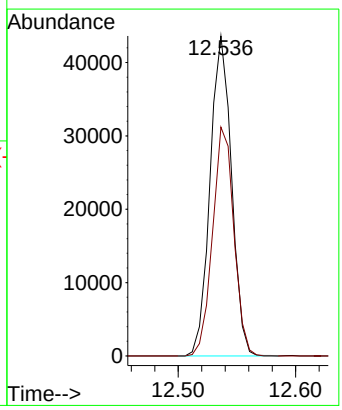


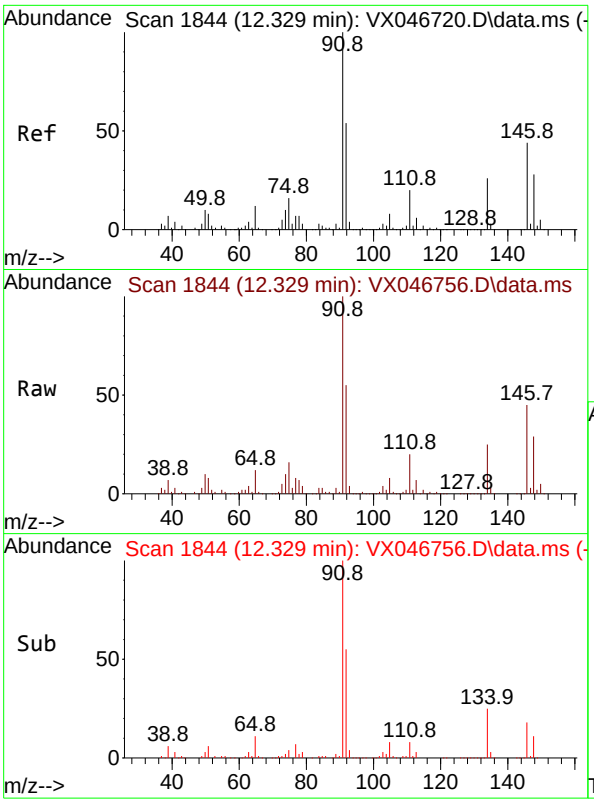




#90
Hexachloroethane
Concen: 43.401 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:117 Resp: 55261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.1 | 34.4 | 103.3 |



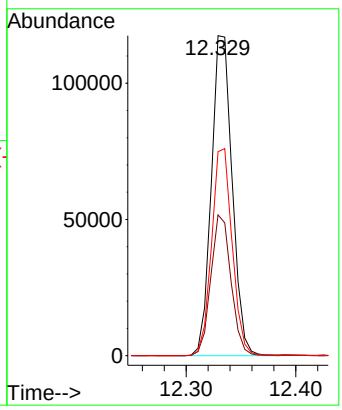


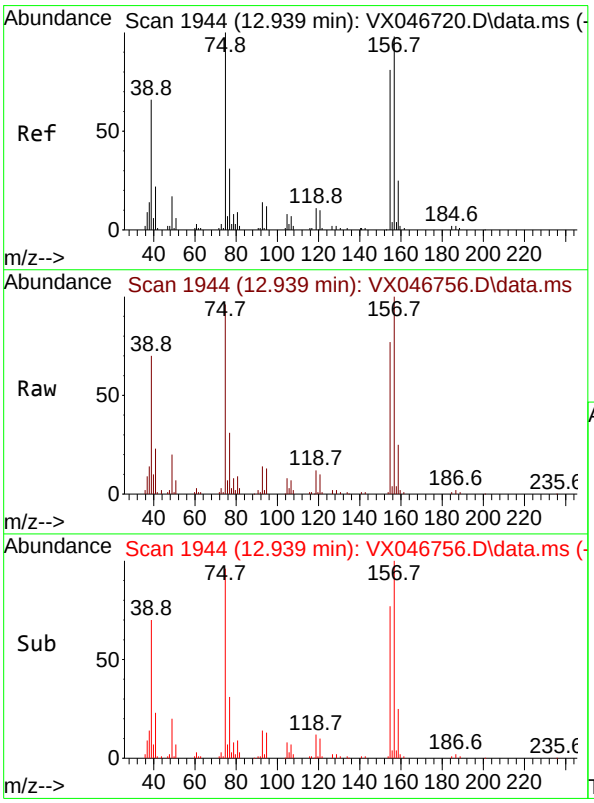

#91
1,2-Dichlorobenzene
Concen: 44.112 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 155261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.7 | 65.1 |
| 148 | 64.0 | 32.0 | 96.2 |

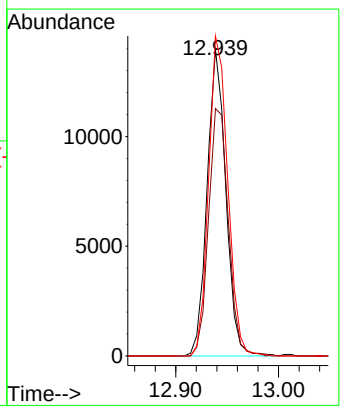


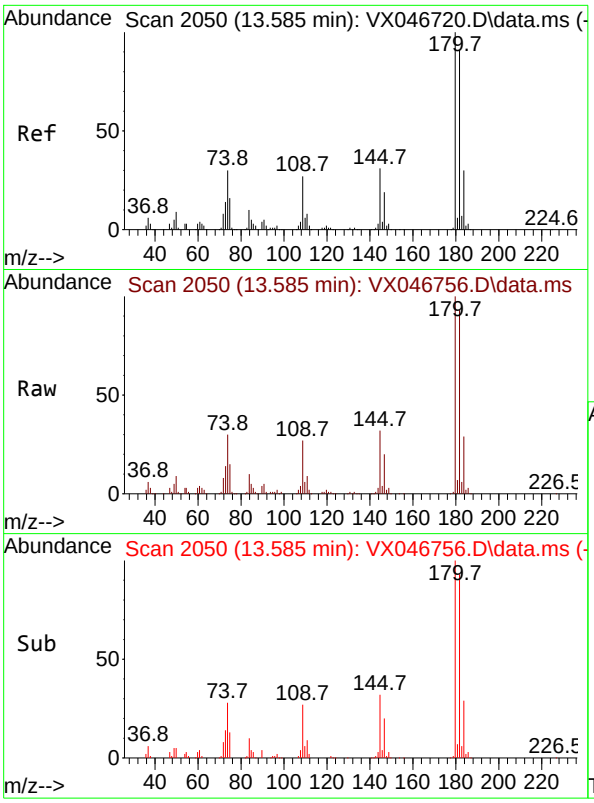




#92
1,2-Dibromo-3-Chloropropane
Concen: 39.972 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion: 75 Resp: 17688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 85.2 | 41.9 | 125.7 |
| 157 | 106.6 | 51.4 | 154.3 |



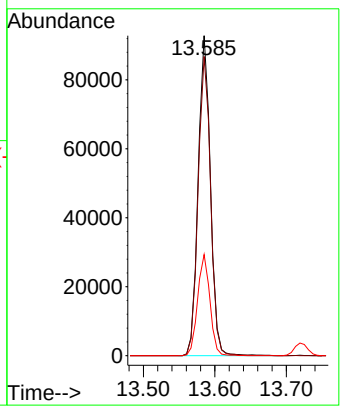


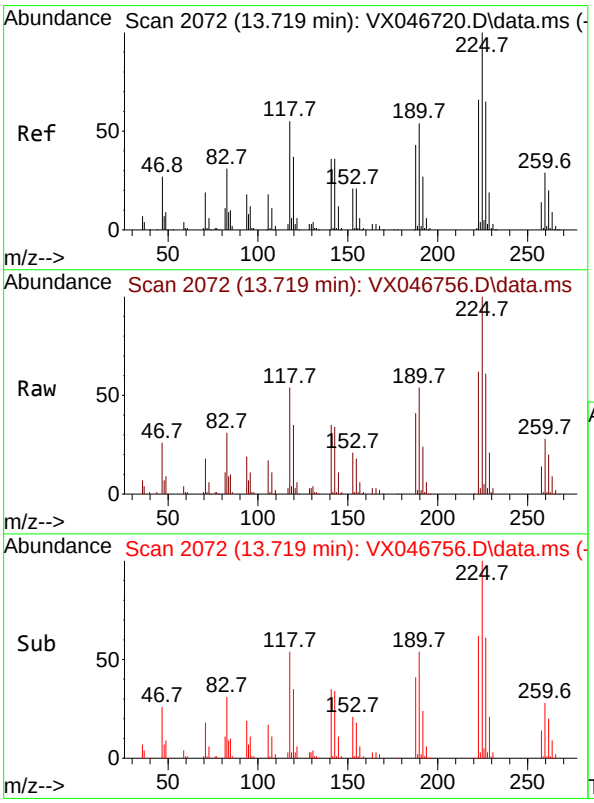

#93
1,2,4-Trichlorobenzene
Concen: 44.088 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 110321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 46.7 | 140.1 |
| 145 | 31.6 | 15.8 | 47.4 |

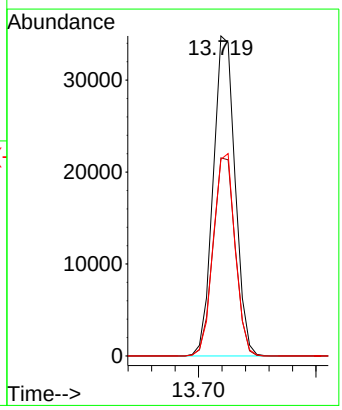


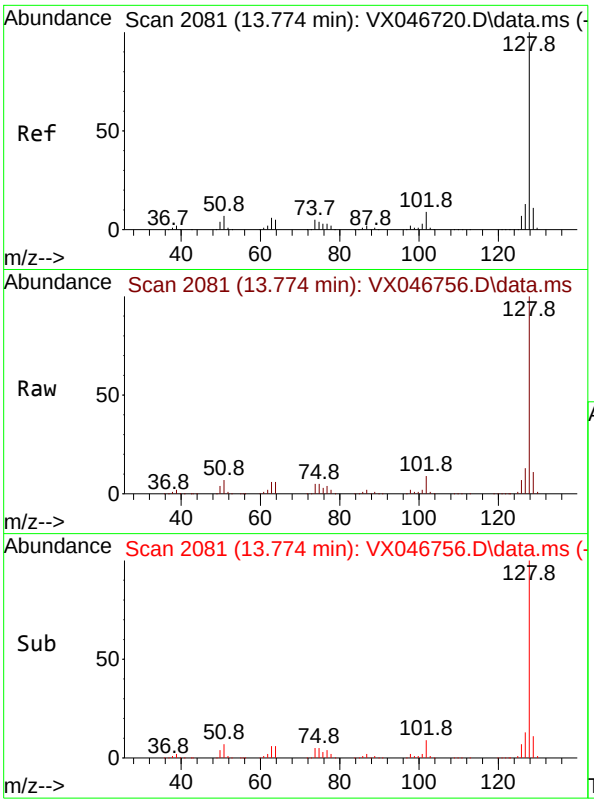




#94
Hexachlorobutadiene
Concen: 42.941 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:225 Resp: 45201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 32.5 | 97.5 |
| 227 | 62.7 | 32.2 | 96.6 |



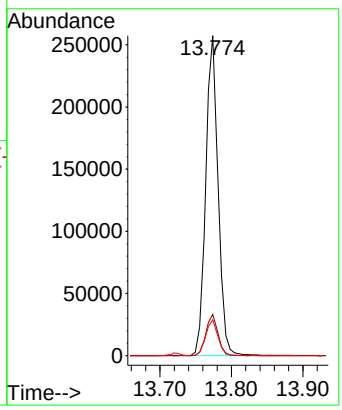


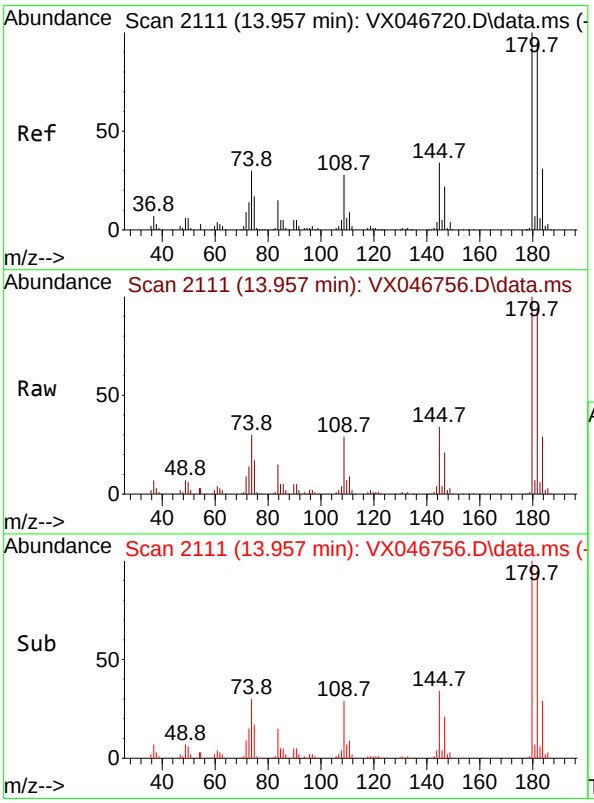

#95
Naphthalene
Concen: 43.429 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 309610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.1 | 8.7 | 13.1 |

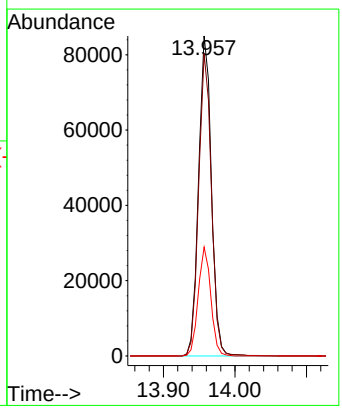



#96
1,2,3-Trichlorobenzene
Concen: 44.175 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046756.D
Acq: 18 Jun 2025 20:01

Tgt Ion:180 Resp: 105752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.8 | 143.4 |
| 145 | 33.3 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 137182 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 224265 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197740 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96867 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 87638 | 46.187 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 92.380% | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 73413 | 49.476 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 98.960% | | |
| 50) Toluene-d8 | 8.647 | 98 | 261576 | 49.067 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.140% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 97021 | 48.823 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 97.640% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 77571 | 52.964 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 81669 | 51.662 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 87898 | 52.141 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 52745 | 55.612 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 53086 | 51.957 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 131261 | 51.280 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 44511 | 50.670 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 81171 | 51.691 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 94903 | 48.429 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 26783 | 157.262 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 78427 | 51.759 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 50116 | 202.026 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 136507 | 49.722 | ug/l | 99 |
| 15) Acrylonitrile | 3.068 | 53 | 162714 | 212.474 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 127043 | 200.776 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 218810 | 47.820 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 65851 | 40.975 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 215275 | 45.628 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 84742 | 48.158 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 80577 | 49.698 | ug/l | 96 |
| 22) Diisopropyl ether | 3.763 | 45 | 269978 | 51.162 | ug/l | 97 |
| 23) Vinyl Acetate | 3.727 | 43 | 1003345 | 239.105 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 148260 | 49.484 | ug/l | 100 |
| 25) 2-Butanone | 4.556 | 43 | 177052 | 197.843 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 112913 | 51.672 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 94126 | 49.415 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 65263 | 48.047 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 116160 | 200.958 | ug/l | 99 |
| 30) Chloroform | 5.099 | 83 | 149922 | 50.036 | ug/l | 95 |
| 31) Cyclohexane | 5.477 | 56 | 139626 | 49.142 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 128769 | 49.003 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 106011 | 49.493 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 79324 | 40.121 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 115565 | 49.715 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 140502 | 49.848 | ug/l | 96 |
| 40) Benzene | 6.044 | 78 | 317423 | 50.074 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 47871 | 45.417 ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 107931 | 48.452 ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 132833 | 42.935 ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 80127 | 49.599 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 79156 | 50.385 ug/l | | 95 |
| 46) Dibromomethane | 7.580 | 93 | 53399 | 47.295 ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116822 | 50.703 ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 70314 | 45.316 ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 15950 | 714.909 ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 379704 | 205.777 ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 196587 | 50.025 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107788 | 50.420 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 122151 | 50.333 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 69729 | 47.614 ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 99225 | 45.899 ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 122083 | 48.408 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279394 | 248.797 ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 257015 | 201.475 ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 84603 | 49.021 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 70987 | 47.653 ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 67934 | 49.587 ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 215423 | 49.352 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 73797 | 50.304 ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 379202 | 49.719 ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 286180 | 100.703 ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 135837 | 51.004 ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 235709 | 50.573 ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 51917 | 46.470 ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 362998 | 50.881 ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 120822 | 44.699 ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 90340 | 45.350 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 95570 | 53.868 ug/l | | 91 |
| 77) Bromobenzene | 11.195 | 156 | 86326 | 50.284 ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 434668 | 51.296 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 250583 | 49.529 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.445 | 105 | 294565 | 50.244 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27012 | 43.036 ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 294491 | 49.875 ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 302344 | 49.891 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 298590 | 50.692 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 389381 | 50.841 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 324490 | 50.214 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 161807 | 48.338 ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 164023 | 47.705 ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 310154 | 50.550 ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55264 | 48.837 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 154832 | 49.496 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 15868 | 40.348 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 107660 | 48.410 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 46034 | 49.207 ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 286491 | 45.216 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 103088 | 48.453 ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

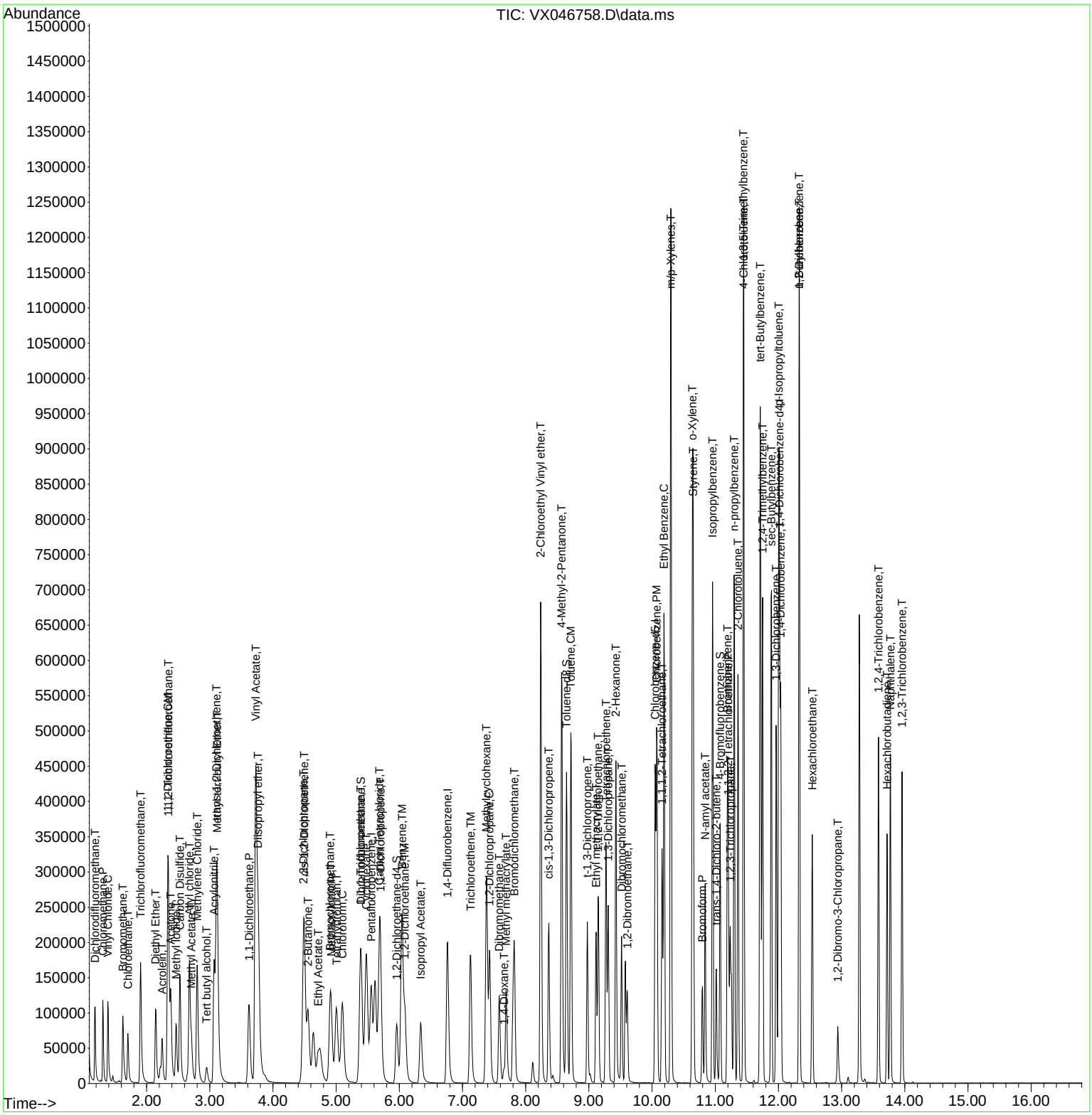
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

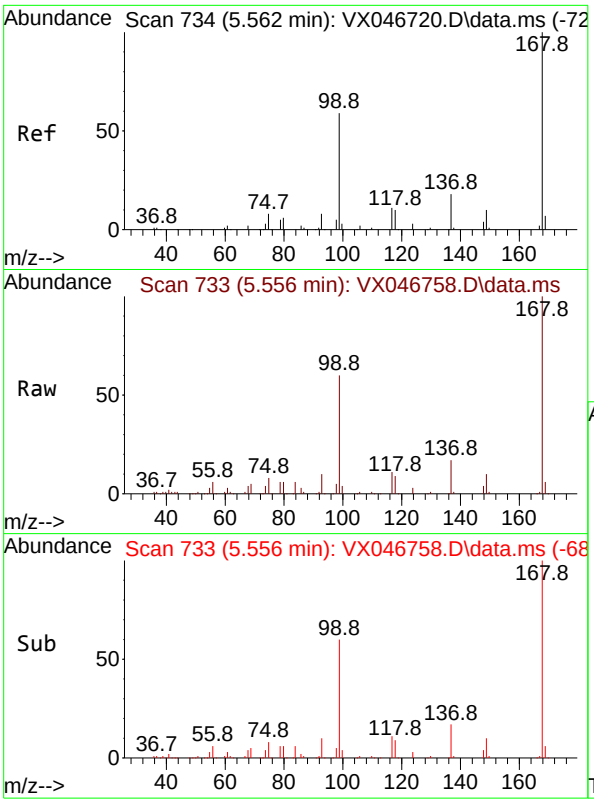
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046758.D
Acq On : 19 Jun 2025 09:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



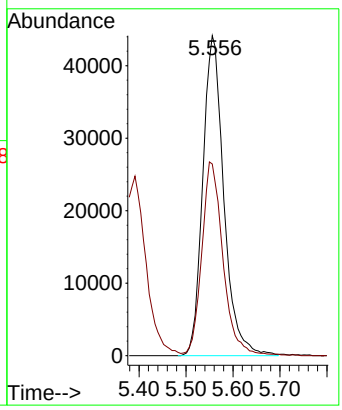


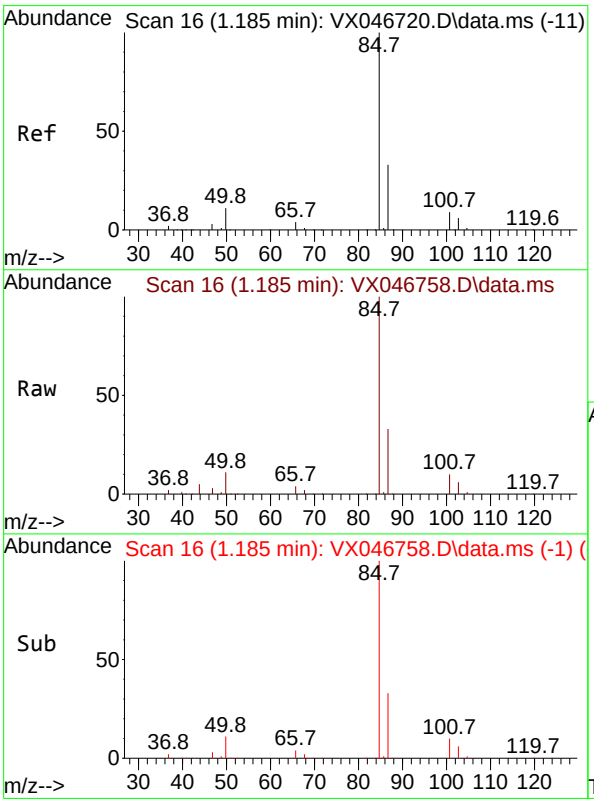

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 137182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.5 | 48.5 | 72.7 |

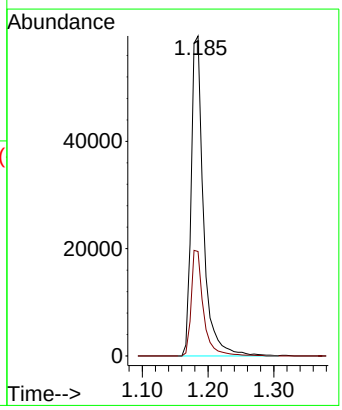


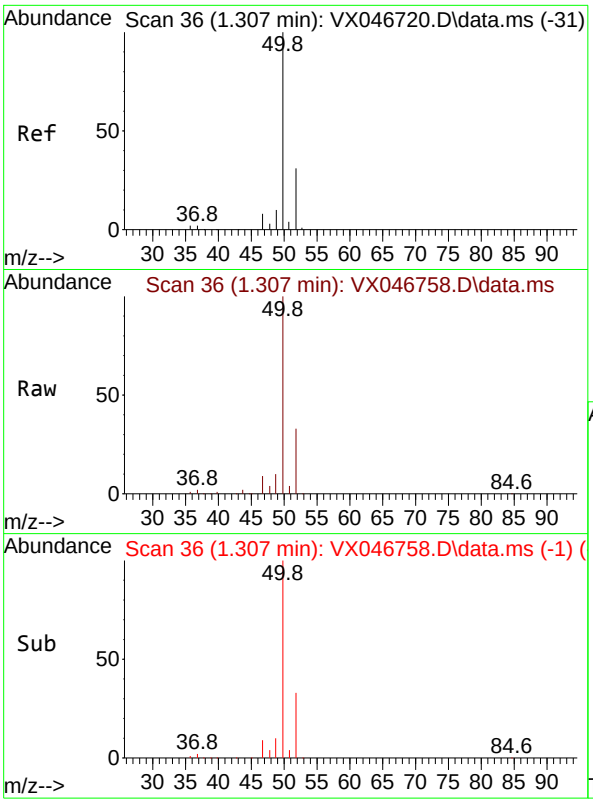




#2
Dichlorodifluoromethane
Concen: 52.964 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 85 Resp: 77571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.6 | 49.8 |



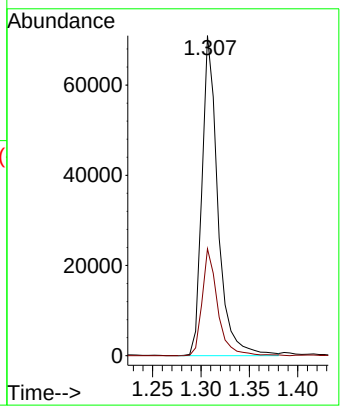


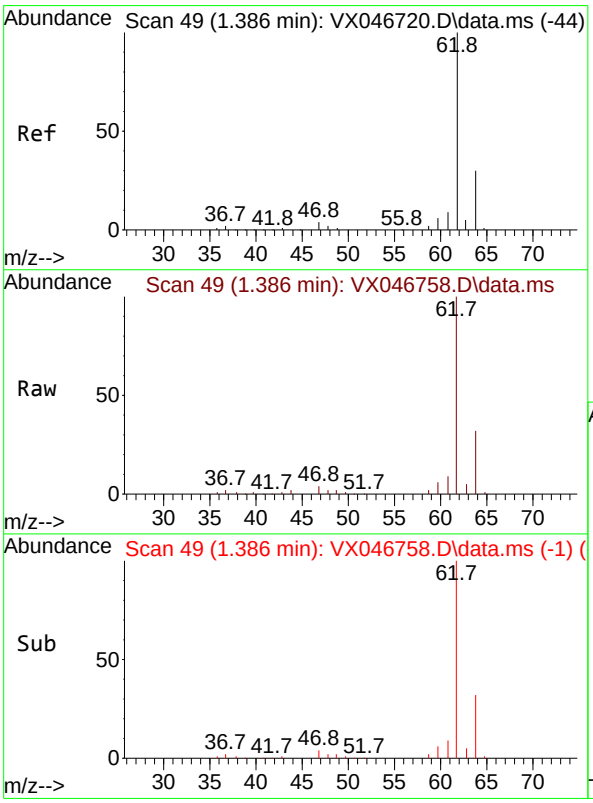

#3
Chloromethane
Concen: 51.662 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 81669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.4 | 24.9 | 37.3 |

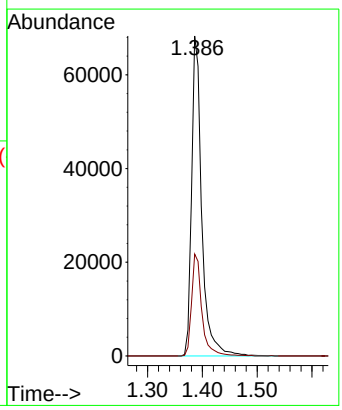


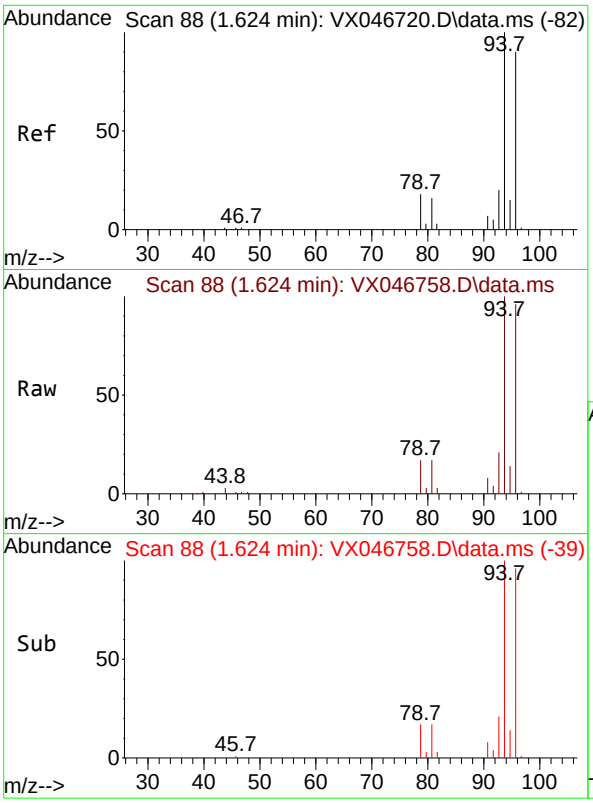




#4
Vinyl Chloride
Concen: 52.141 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 62 Resp: 87898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.8 | 23.9 | 35.9 |



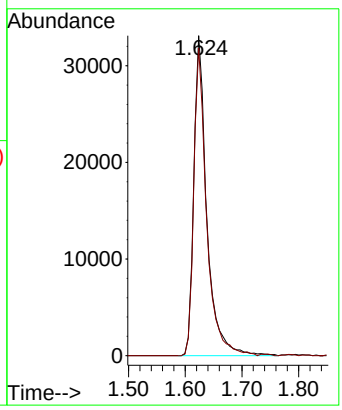


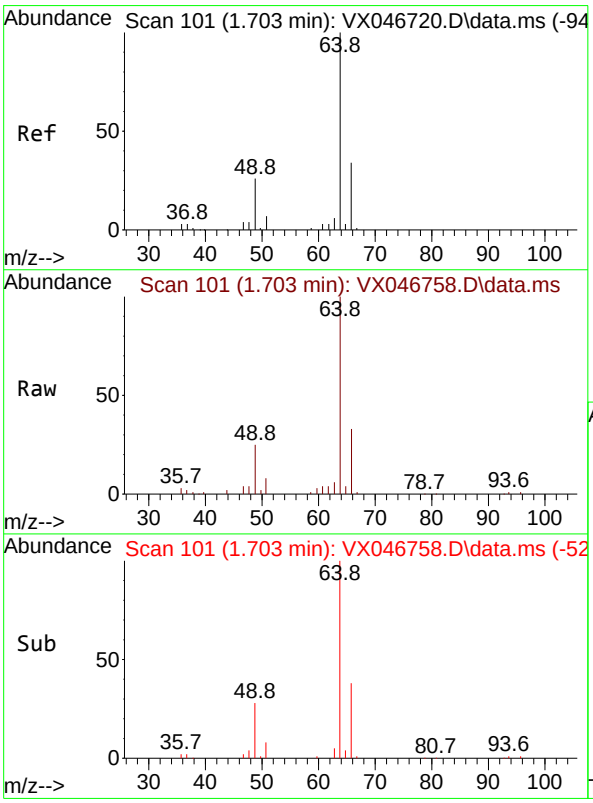

#5
Bromomethane
Concen: 55.612 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 52745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.1 | 72.3 | 108.5 |

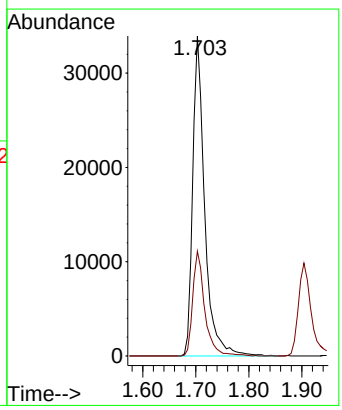


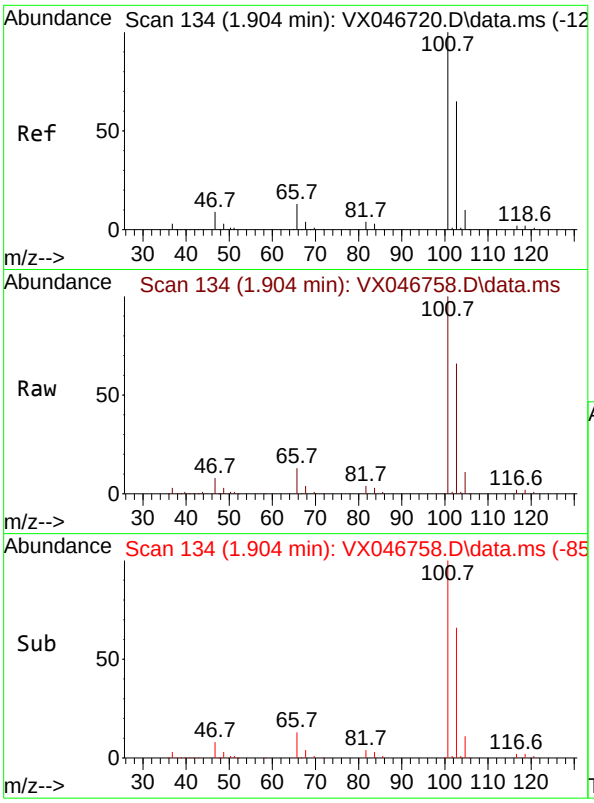




#6
Chloroethane
Concen: 51.957 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 64 Resp: 53086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 27.1 | 40.7 |



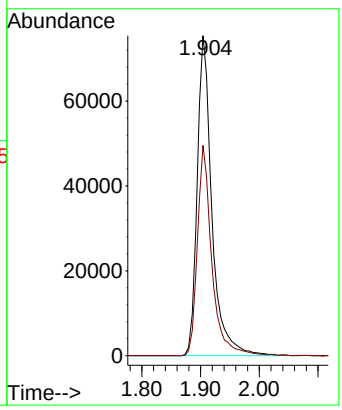


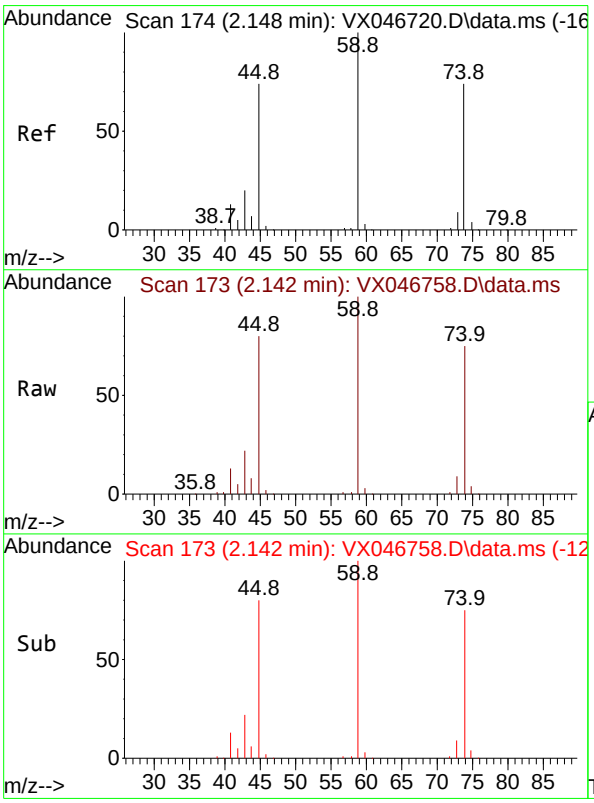

#7
Trichlorofluoromethane
Concen: 51.280 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 131261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 51.8 | 77.8 |

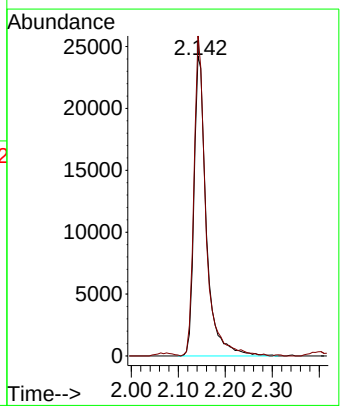


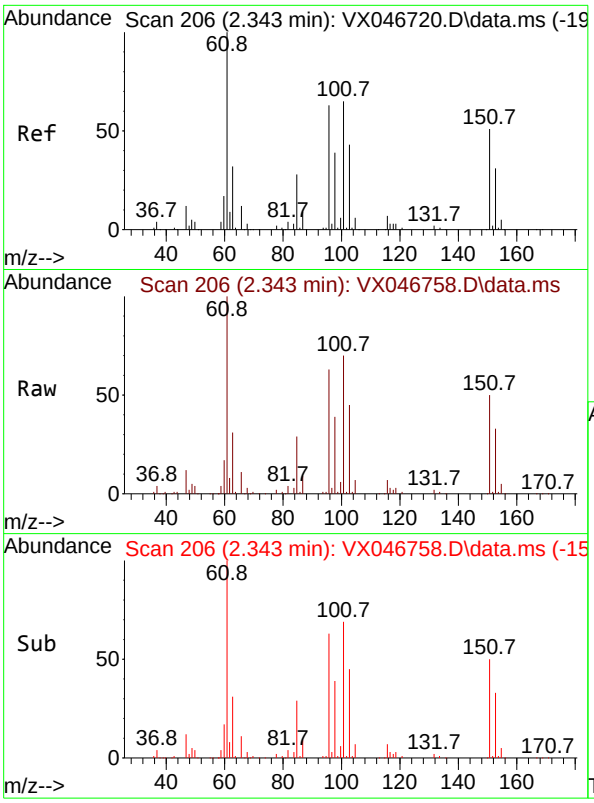




#8
Diethyl Ether
Concen: 50.670 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 74 Resp: 44511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 103.6 | 52.3 | 157.1 |



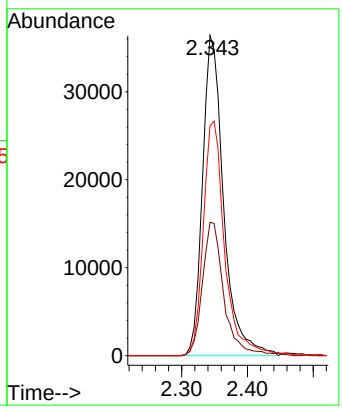


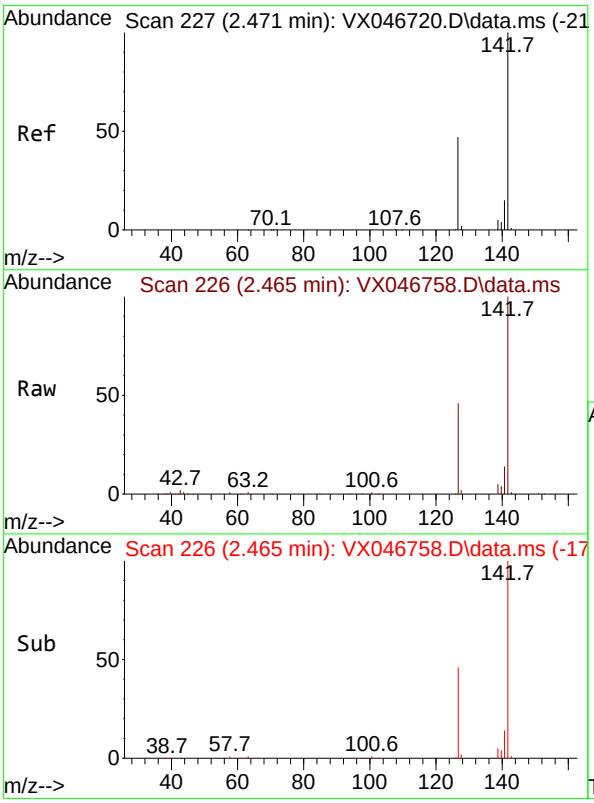

#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.691 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 81171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.5 | 35.4 | 53.0 |
| 151 | 74.7 | 61.2 | 91.8 |

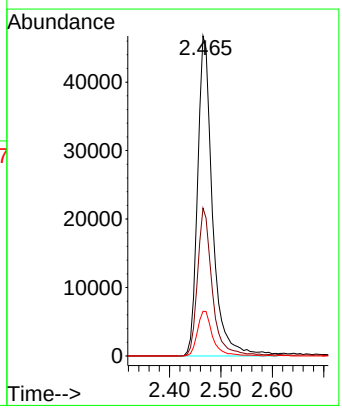


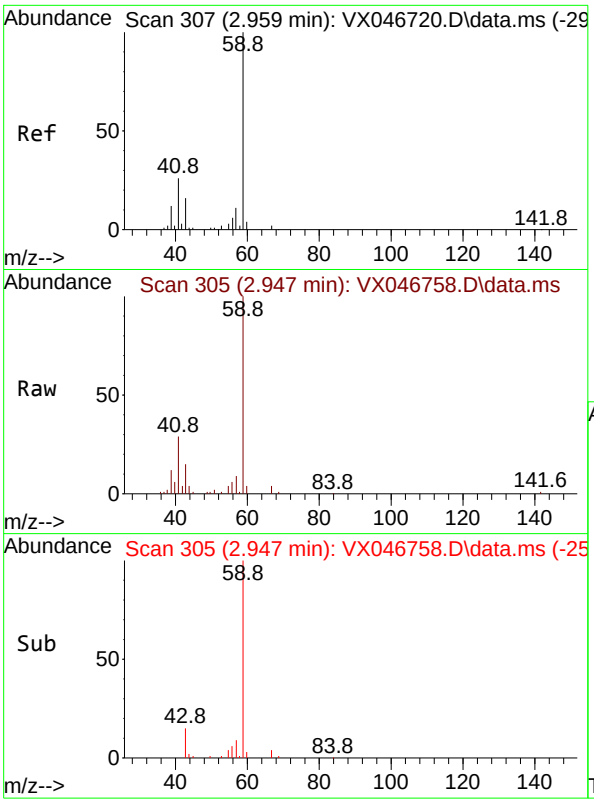




#10
Methyl Iodide
Concen: 48.429 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:142 Resp: 94903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.2 | 37.0 | 55.6 |
| 141 | 14.2 | 11.5 | 17.3 |



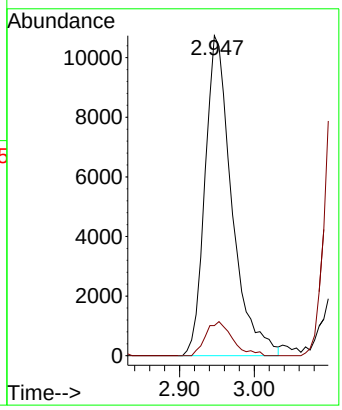


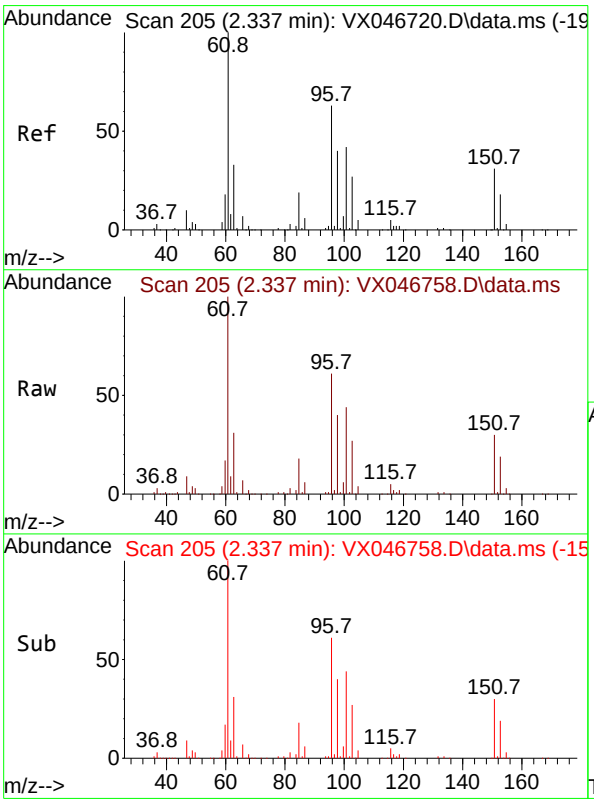

#11
Tert butyl alcohol
Concen: 157.262 ug/l
RT: 2.947 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 26783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

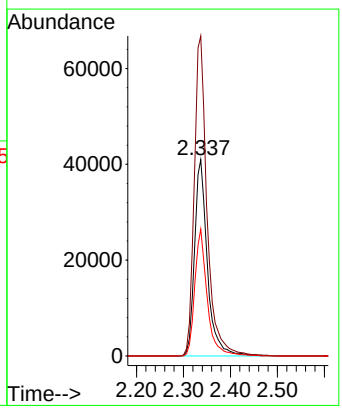


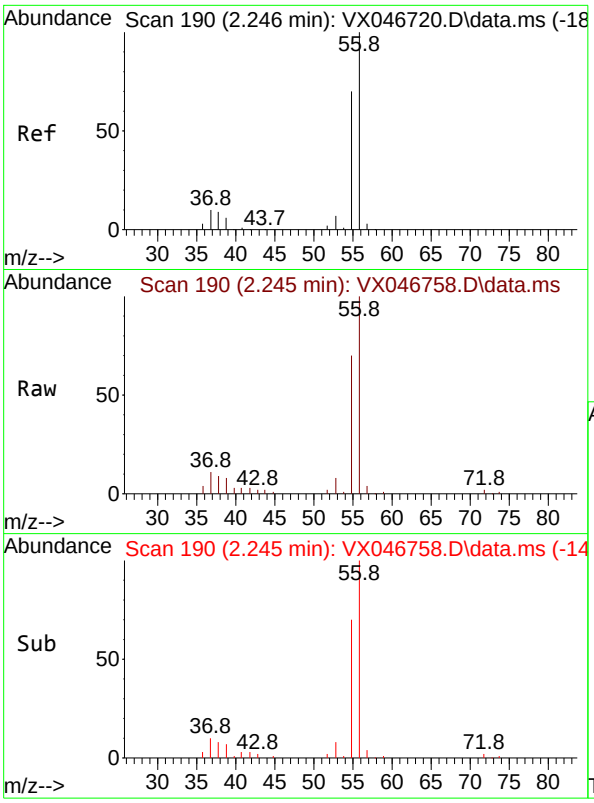




#12
1,1-Dichloroethene
Concen: 51.759 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 96 Resp: 78427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 126.6 | 189.8 |
| 98 | 64.7 | 50.7 | 76.1 |



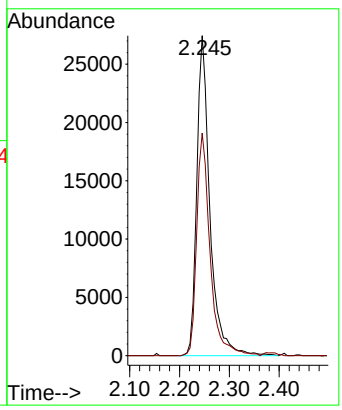


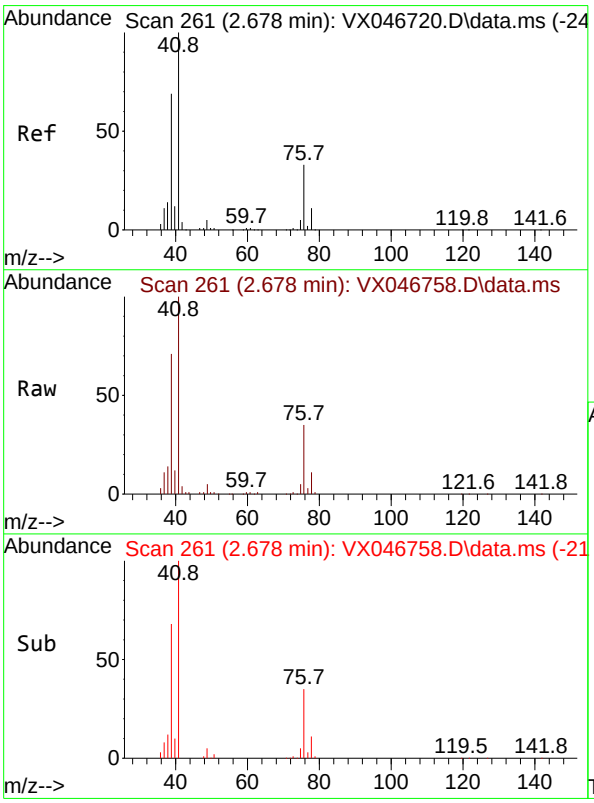

#13
Acrolein
Concen: 202.026 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 50116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.0 | 55.2 | 82.8 |

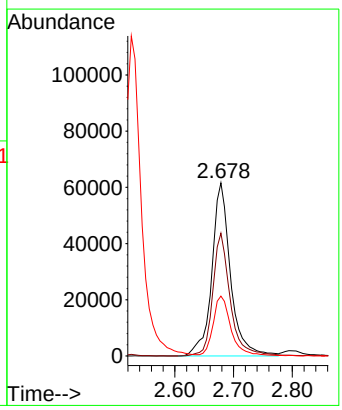


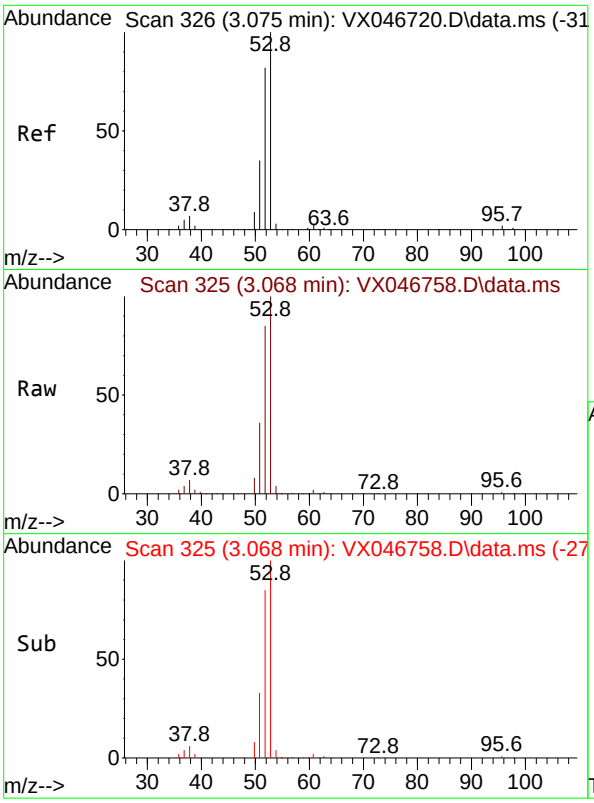




#14
Allyl chloride
Concen: 49.722 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 41 Resp: 136507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.2 | 53.6 | 80.4 |
| 76 | 33.3 | 26.8 | 40.2 |



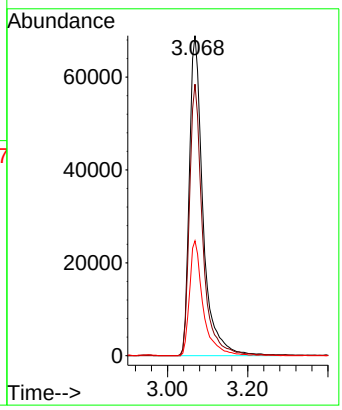


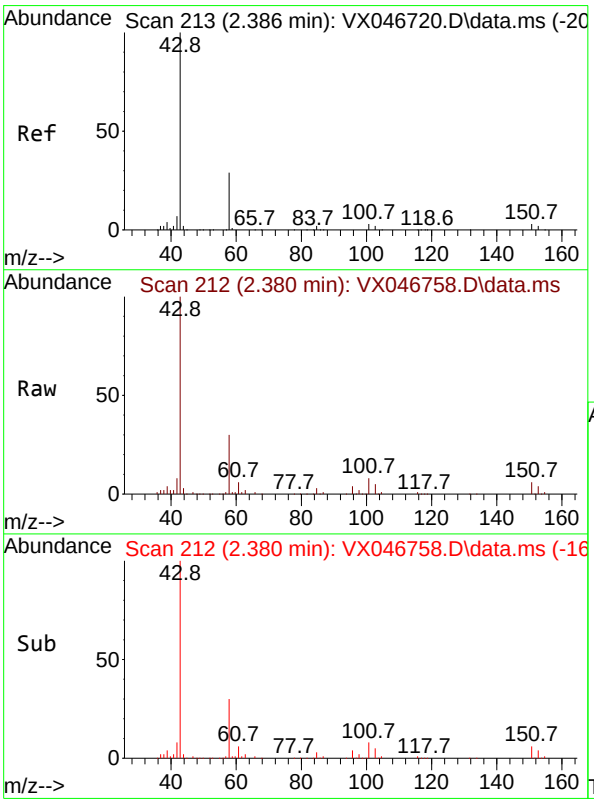

#15
Acrylonitrile
Concen: 212.474 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 162714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 65.1 | 97.7 |
| 51 | 35.9 | 28.9 | 43.3 |

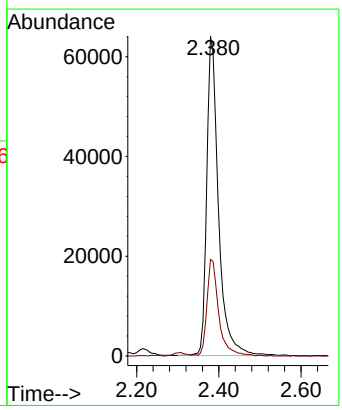


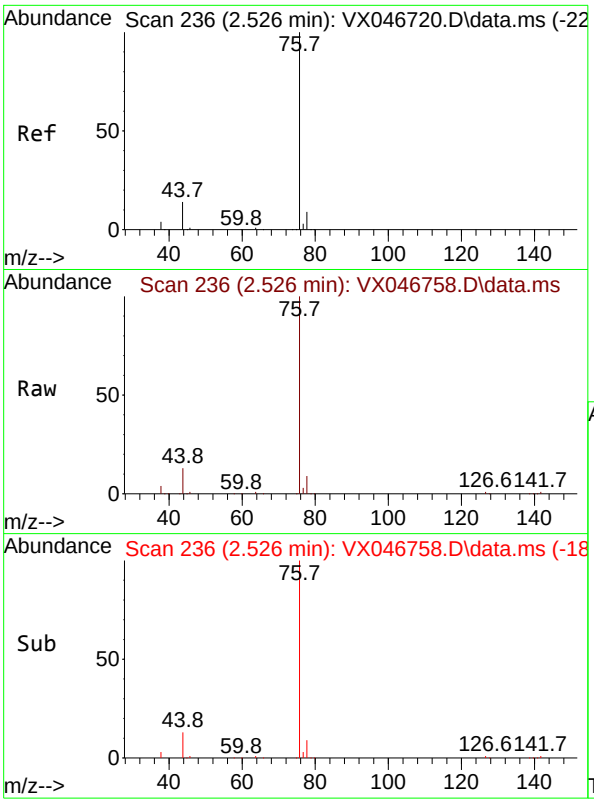




#16
Acetone
Concen: 200.776 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 127043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.5 | 36.7 |



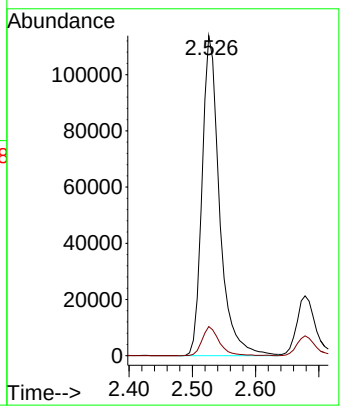


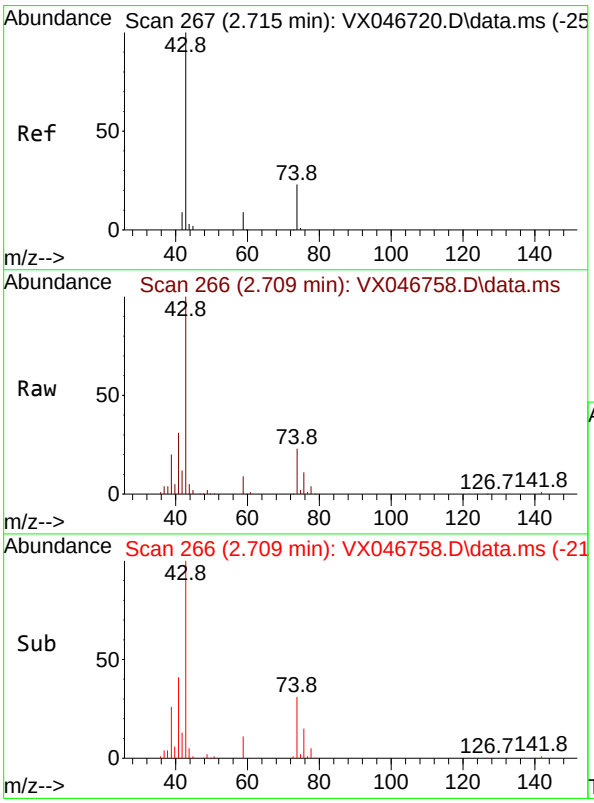

#17
Carbon Disulfide
Concen: 47.820 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 218810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

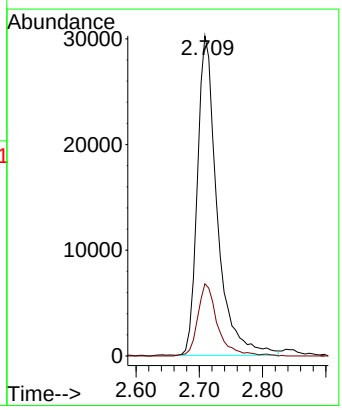


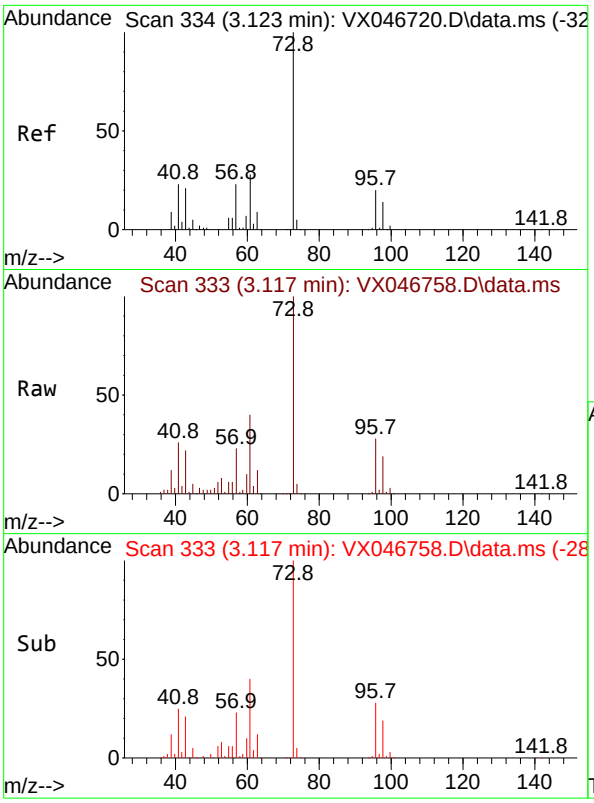




#18
Methyl Acetate
Concen: 40.975 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 65851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.4 | 18.4 | 27.6 |



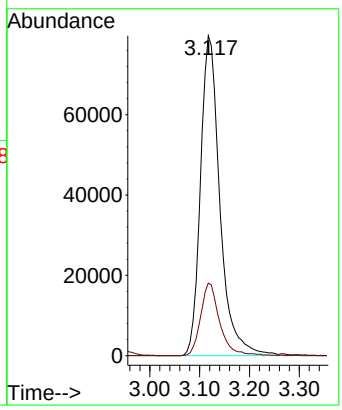


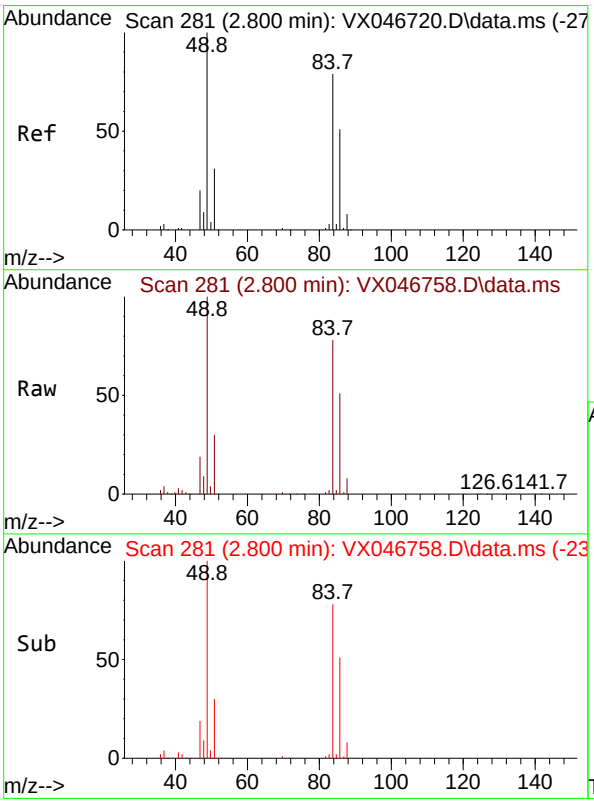

#19
Methyl tert-butyl Ether
Concen: 45.628 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 215275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 18.2 | 27.2 |

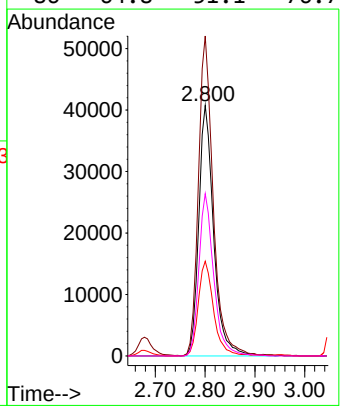


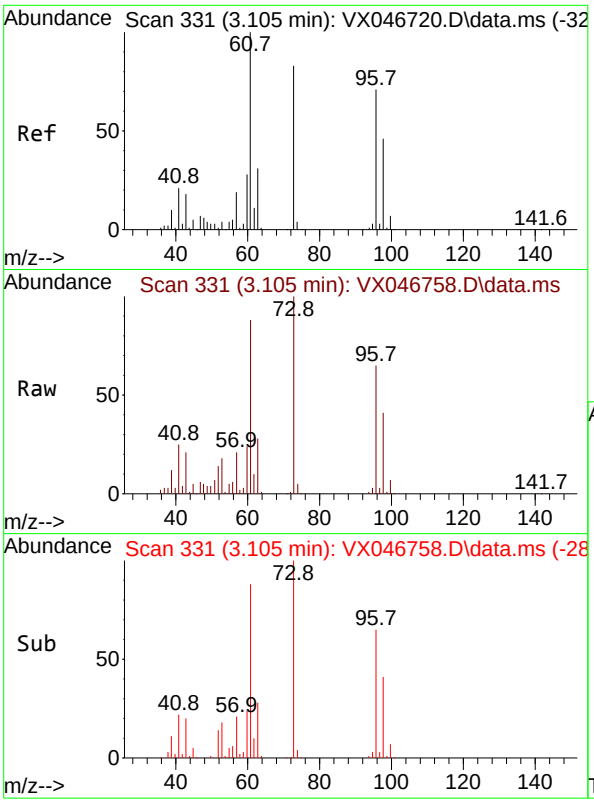




#20
Methylene Chloride
Concen: 48.158 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 84 Resp: 84742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.5 | 101.3 | 151.9 |
| 51 | 37.8 | 31.0 | 46.6 |
| 86 | 64.8 | 51.1 | 76.7 |



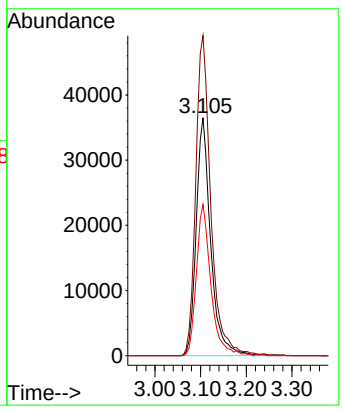


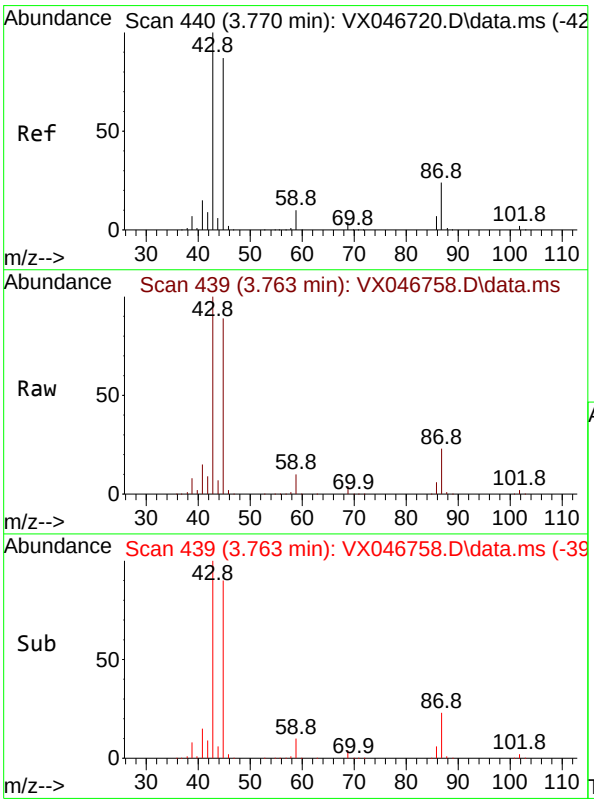

#21
trans-1,2-Dichloroethene
Concen: 49.698 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 80577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.5 | 112.5 | 168.7 |
| 98 | 63.6 | 51.9 | 77.9 |

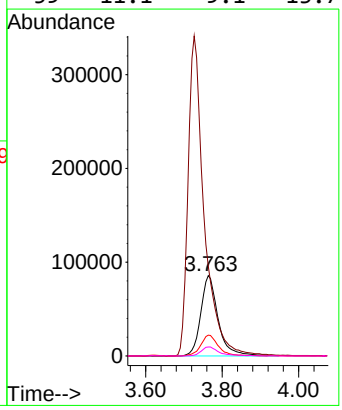


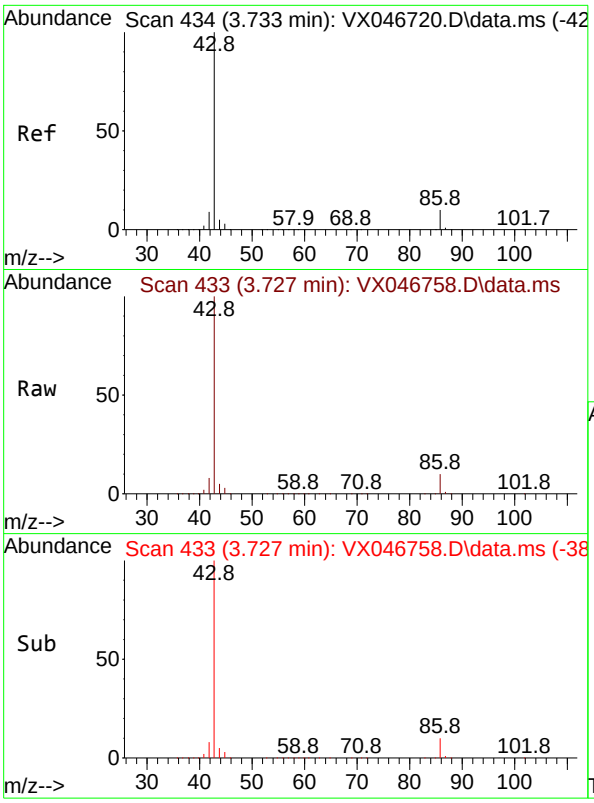




#22
Diisopropyl ether
Concen: 51.162 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 45 Resp: 269978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 110.7 | 91.9 | 137.9 |
| 87 | 25.9 | 22.0 | 33.0 |
| 59 | 11.1 | 9.1 | 13.7 |



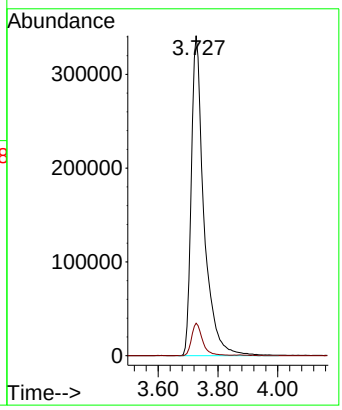


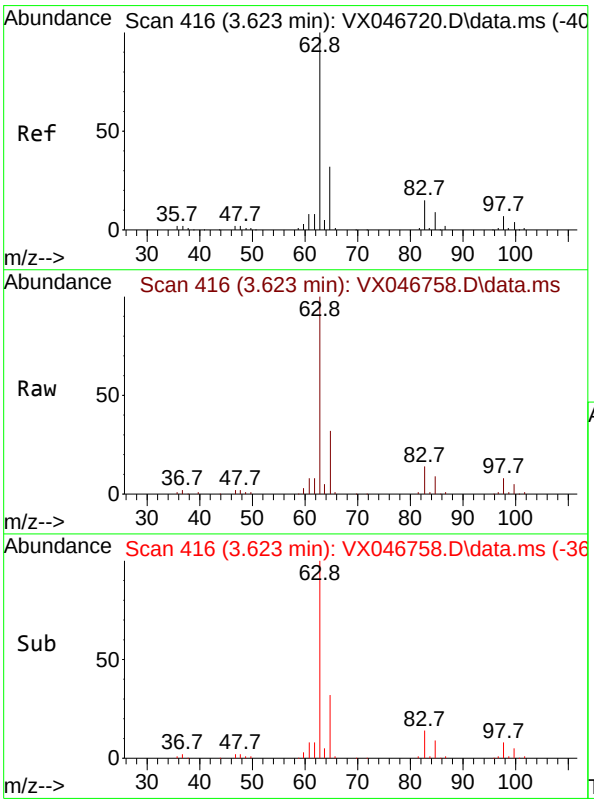

#23
Vinyl Acetate
Concen: 239.105 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1003345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.2 | 12.2 |

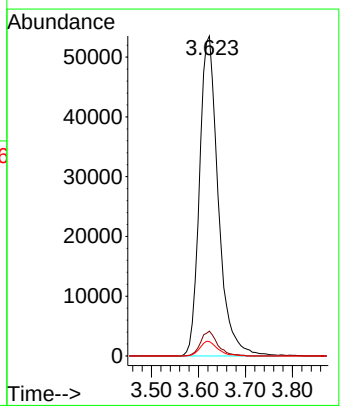


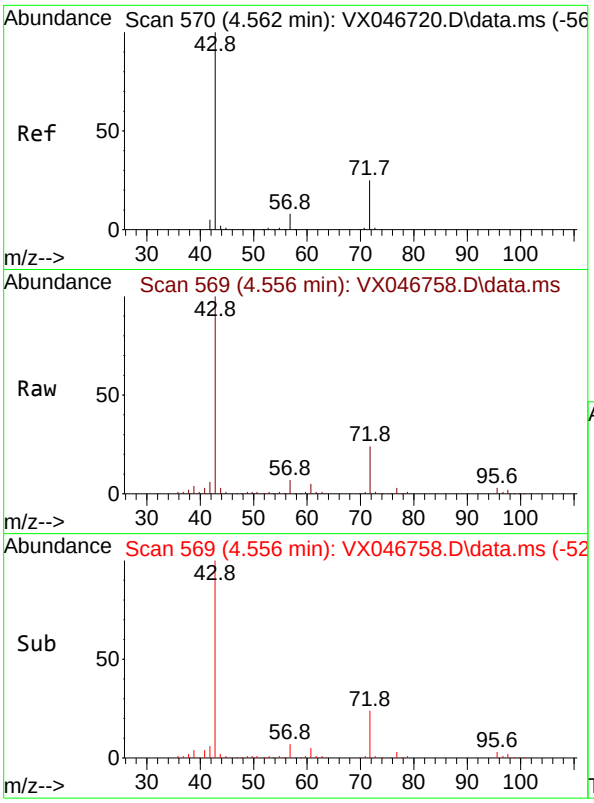




#24
1,1-Dichloroethane
Concen: 49.484 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 63 Resp: 148260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 4.0 | 11.9 |
| 100 | 4.6 | 2.2 | 6.6 |



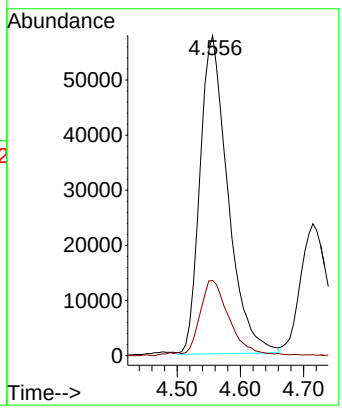


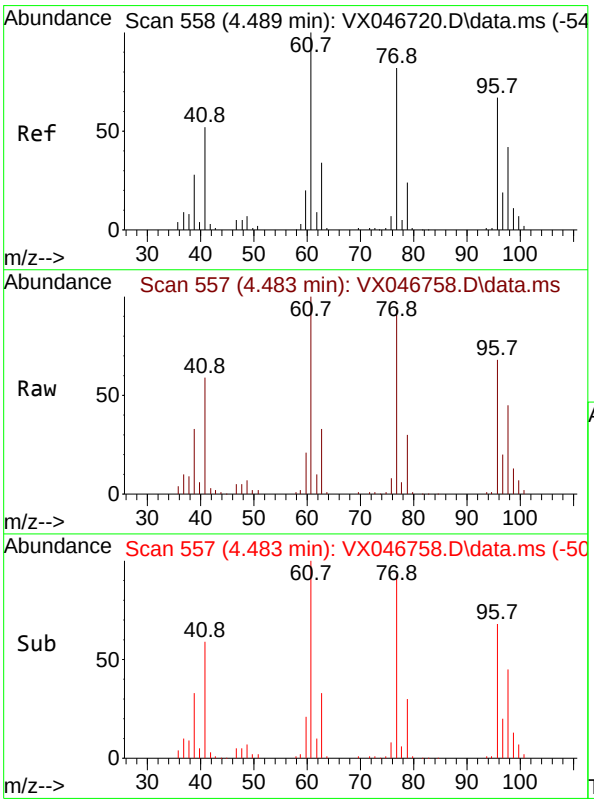

#25
2-Butanone
Concen: 197.843 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 177052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.0 | 20.2 | 30.4 |

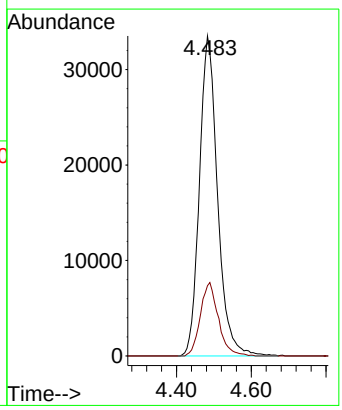


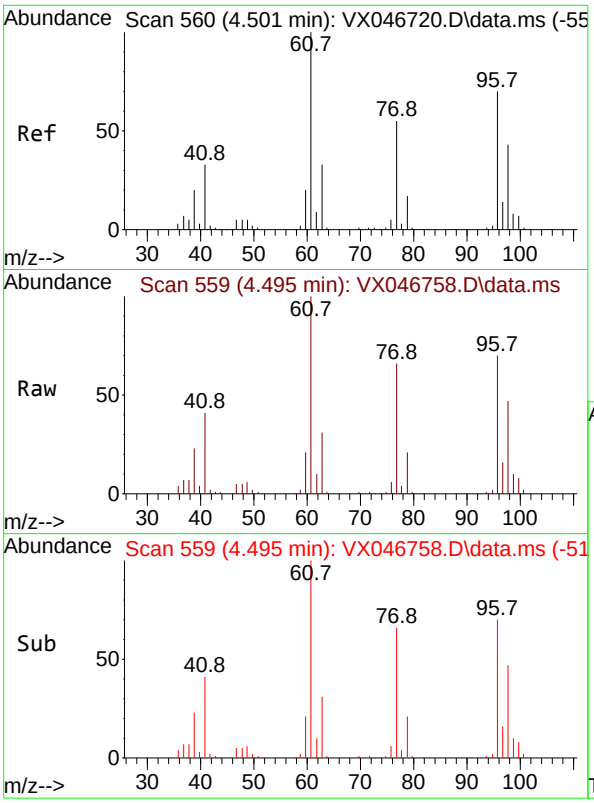




#26
2,2-Dichloropropane
Concen: 51.672 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 77 Resp: 112913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |



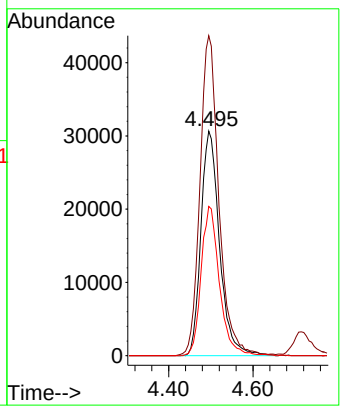


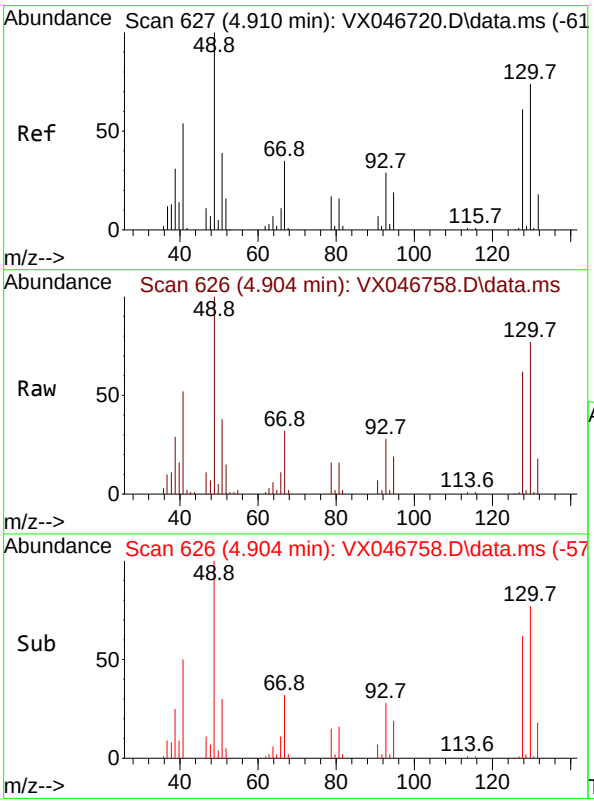

#27
cis-1,2-Dichloroethene
Concen: 49.415 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 94126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 0.0 | 291.0 |
| 98 | 65.4 | 0.0 | 126.8 |

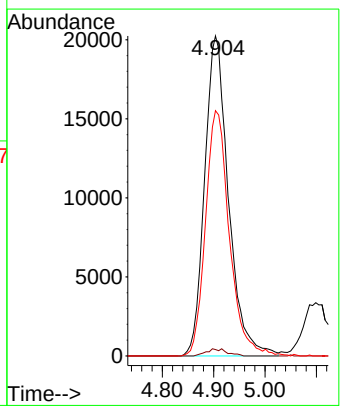


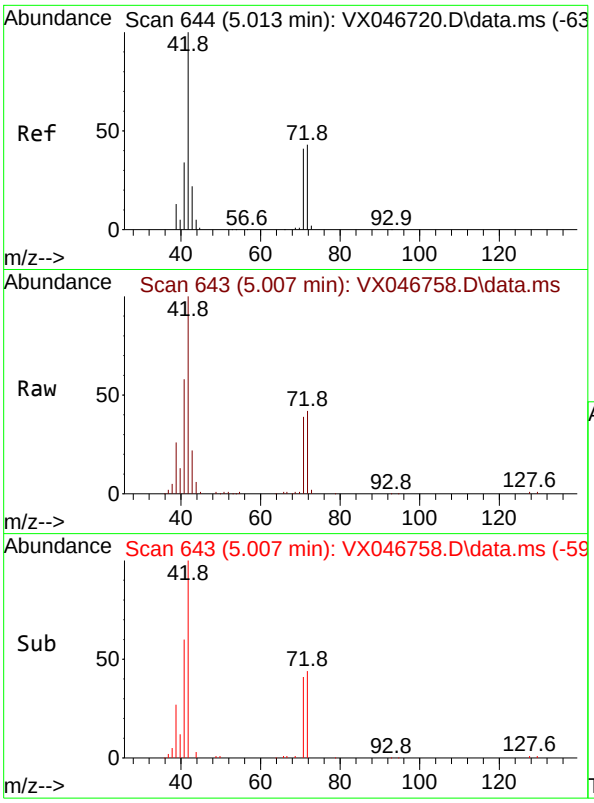




#28
Bromochloromethane
Concen: 48.047 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 49 Resp: 65263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 76.8 | 61.4 | 92.0 |



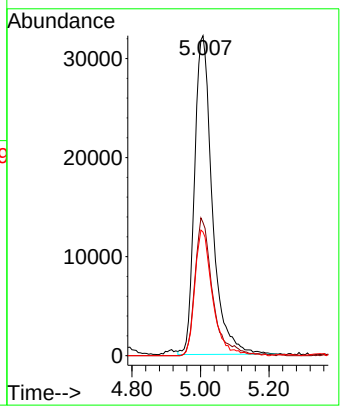


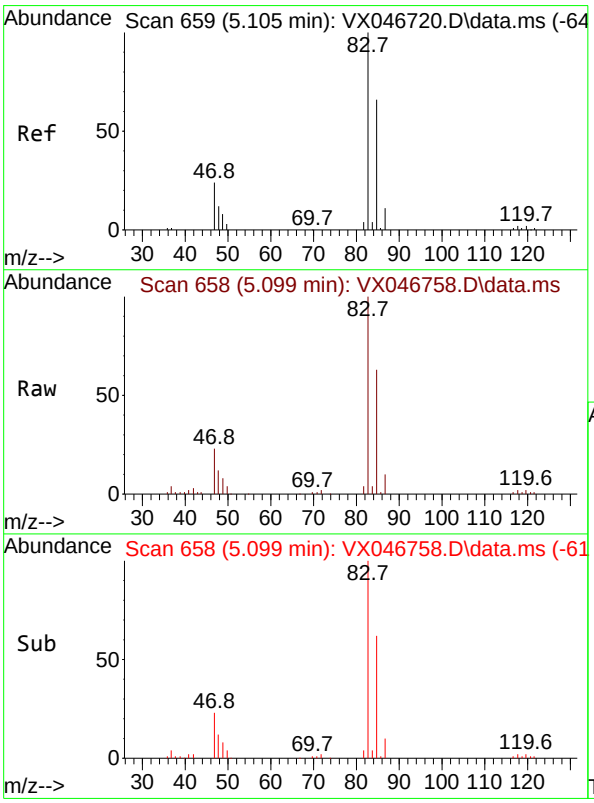

#29
Tetrahydrofuran
Concen: 200.958 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 116160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.9 | 34.9 | 52.3 |
| 71 | 39.1 | 32.2 | 48.2 |

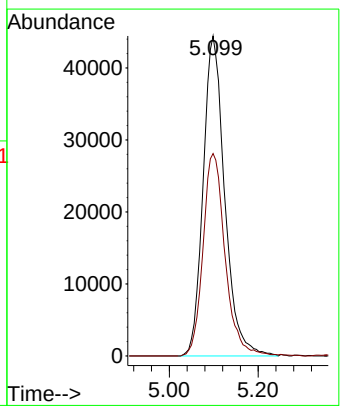


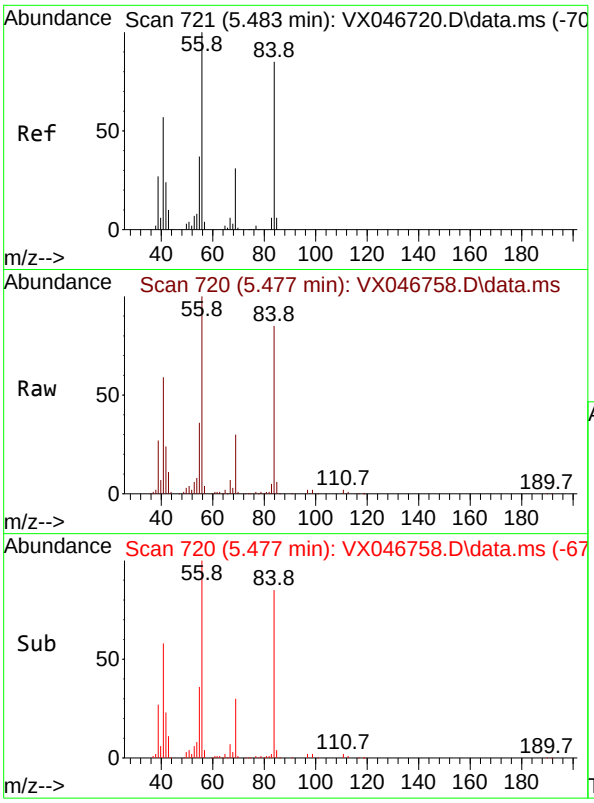




#30
Chloroform
Concen: 50.036 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 83 Resp: 149922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 53.7 | 80.5 |



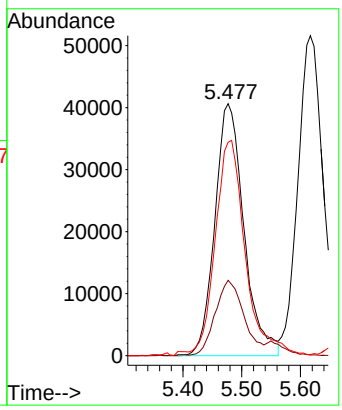


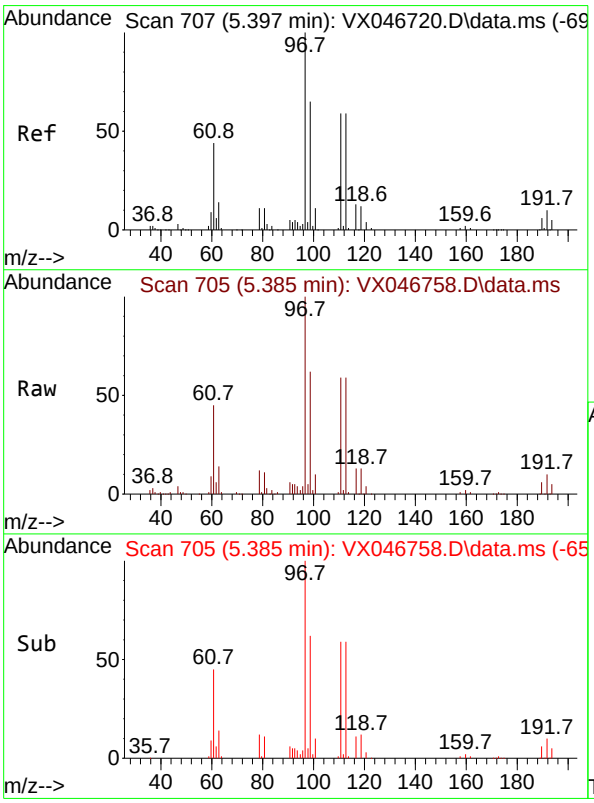

#31
Cyclohexane
Concen: 49.142 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 139626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.6 | 24.8 | 37.2 |
| 84 | 82.9 | 68.2 | 102.2 |

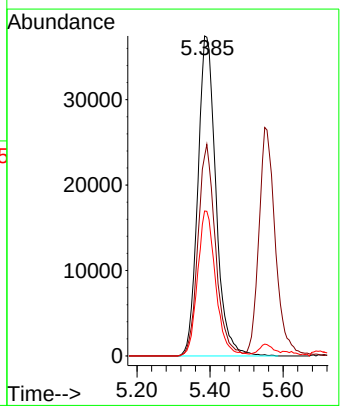


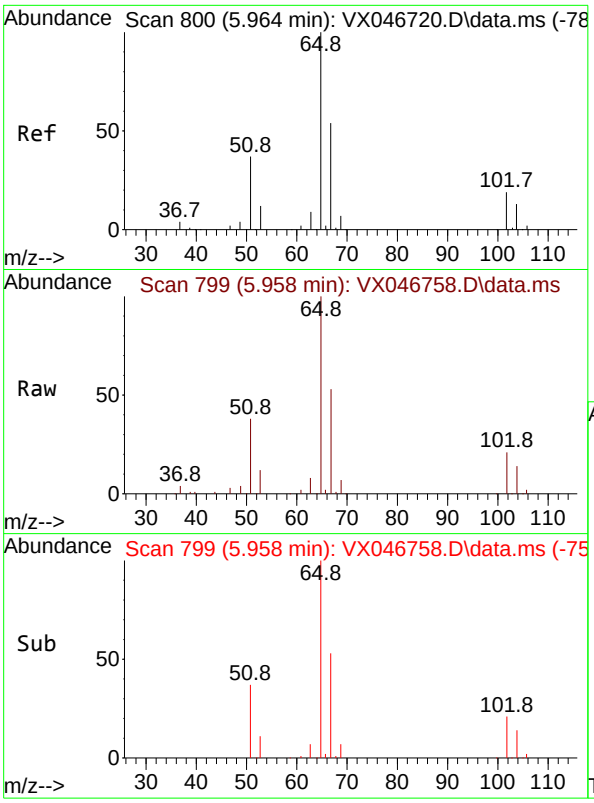




#32
1,1,1-Trichloroethane
Concen: 49.003 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 97 Resp: 128769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.3 | 76.9 |
| 61 | 45.4 | 36.4 | 54.6 |



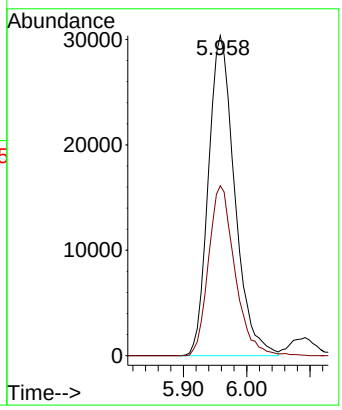


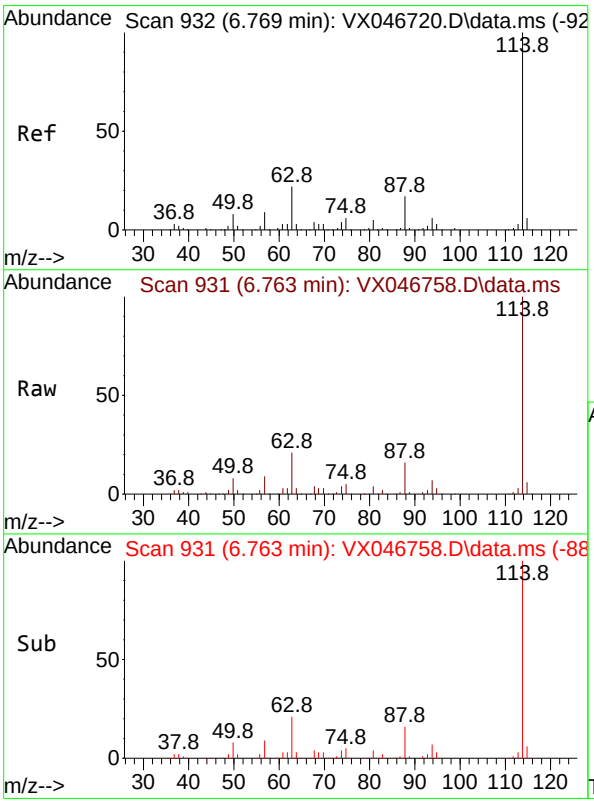

#33
1,2-Dichloroethane-d4
Concen: 46.187 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 87638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 105.4 |

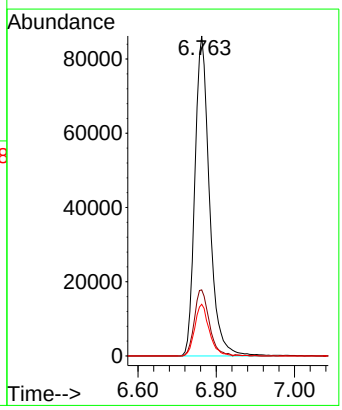


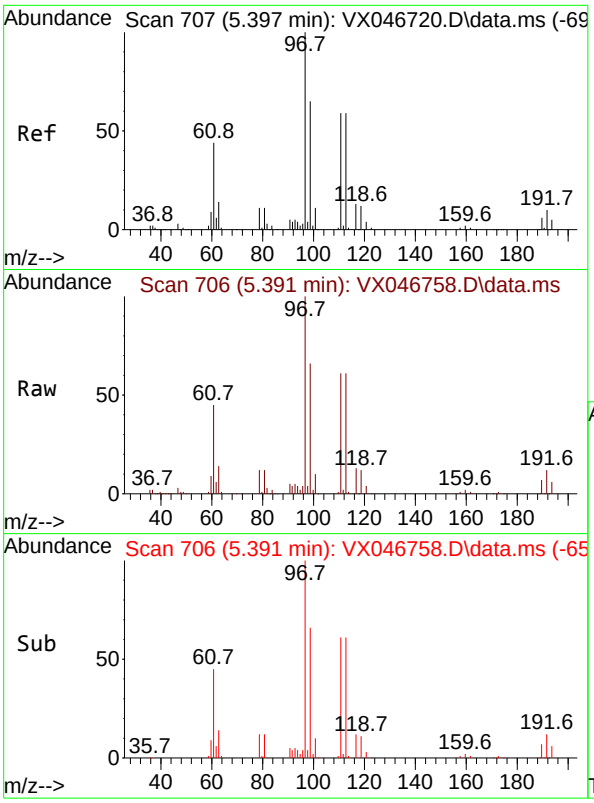




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:114 Resp: 224265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.2 |
| 88 | 16.2 | 0.0 | 33.2 |



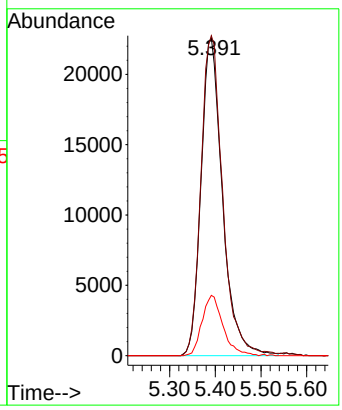


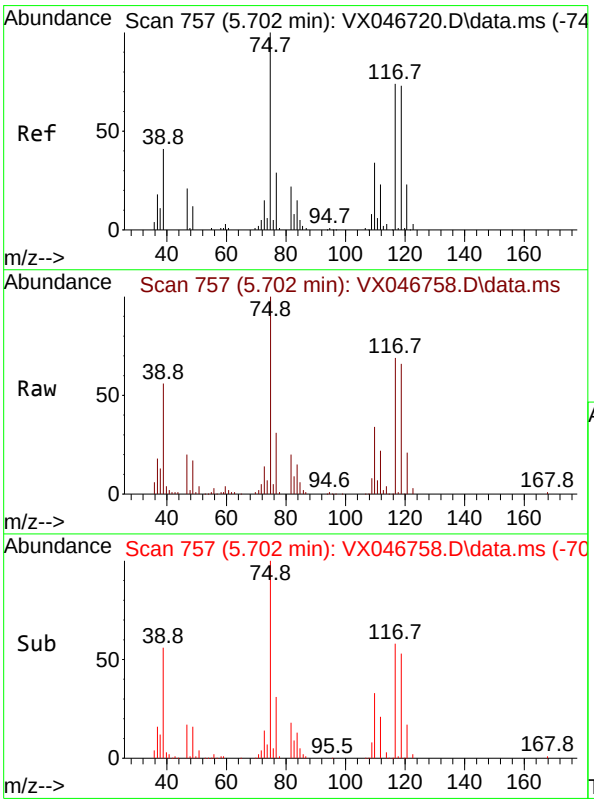

#35
Dibromofluoromethane
Concen: 49.476 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 73413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |

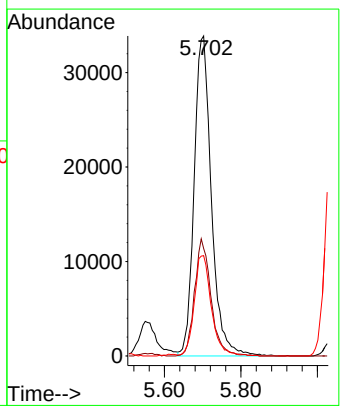


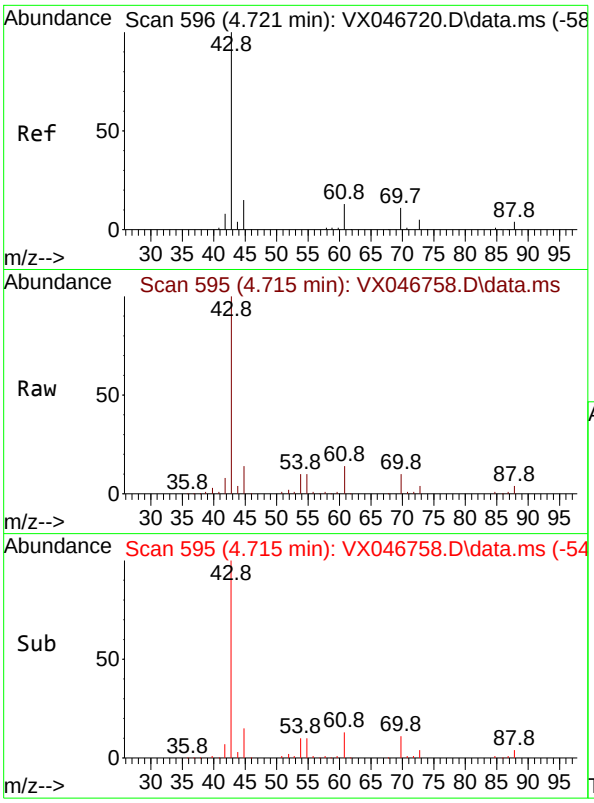




#36
1,1-Dichloropropene
Concen: 49.493 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 106011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.2 | 51.5 |
| 77 | 31.2 | 24.2 | 36.4 |



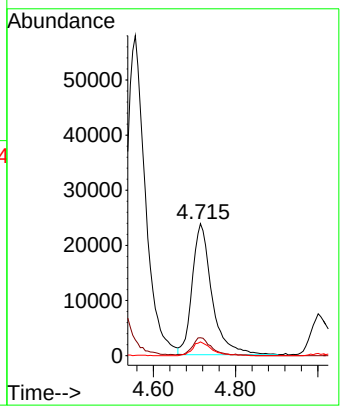


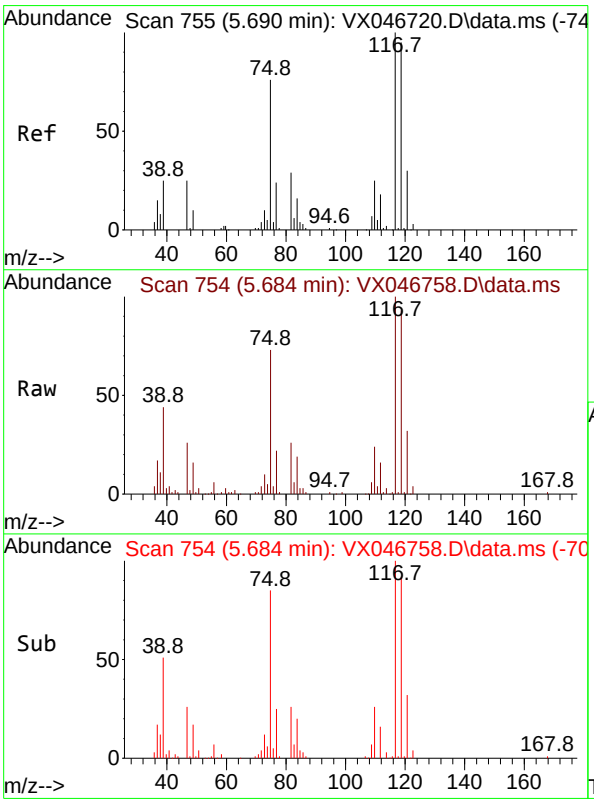

#37
Ethyl Acetate
Concen: 40.121 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 79324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |

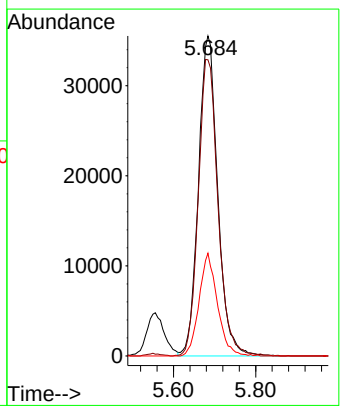


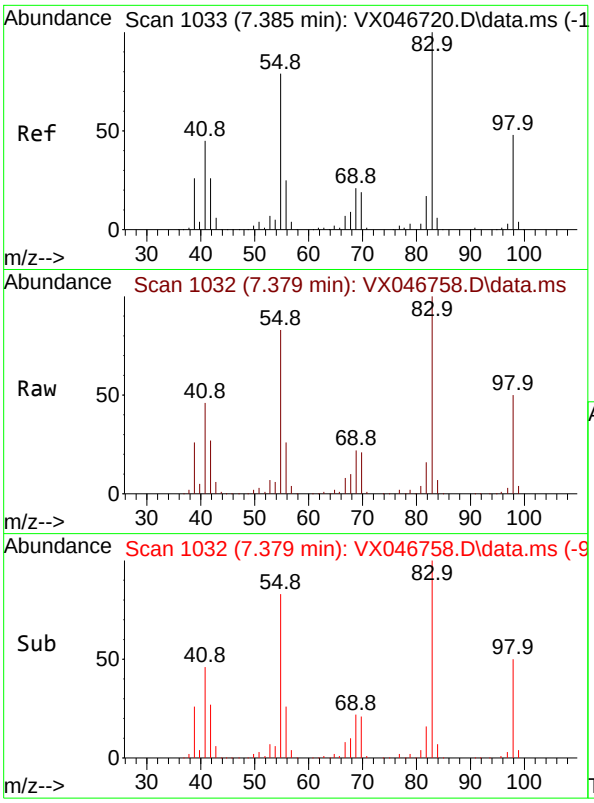




#38
Carbon Tetrachloride
Concen: 49.715 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:117 Resp: 115565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.4 | 75.2 | 112.8 |
| 121 | 32.1 | 24.1 | 36.1 |



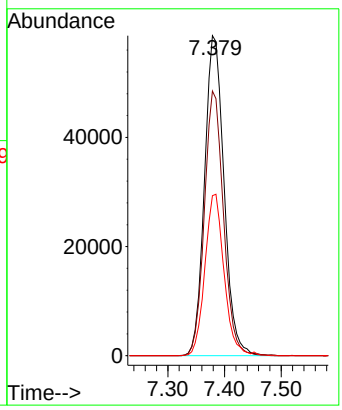


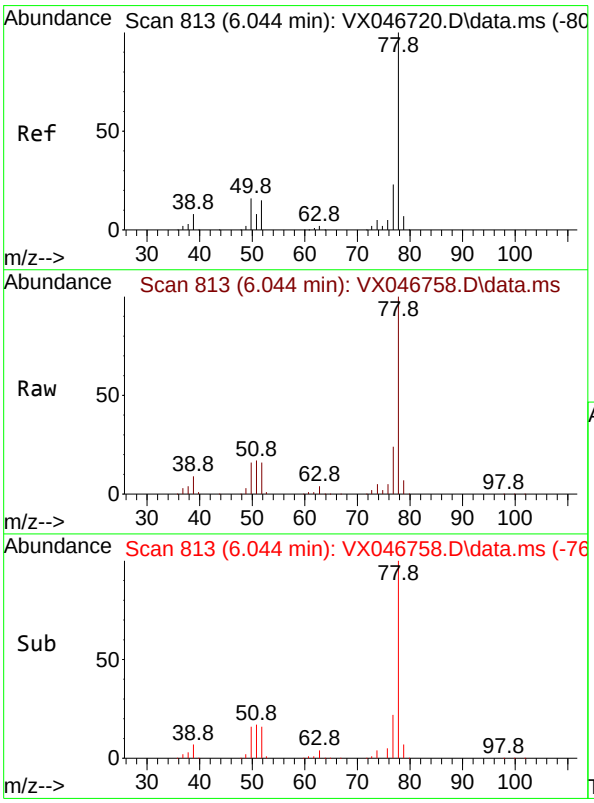

#39
Methylcyclohexane
Concen: 49.848 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 140502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.7 | 63.0 | 94.4 |
| 98 | 50.0 | 38.8 | 58.2 |

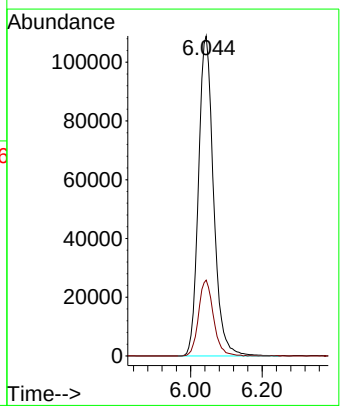


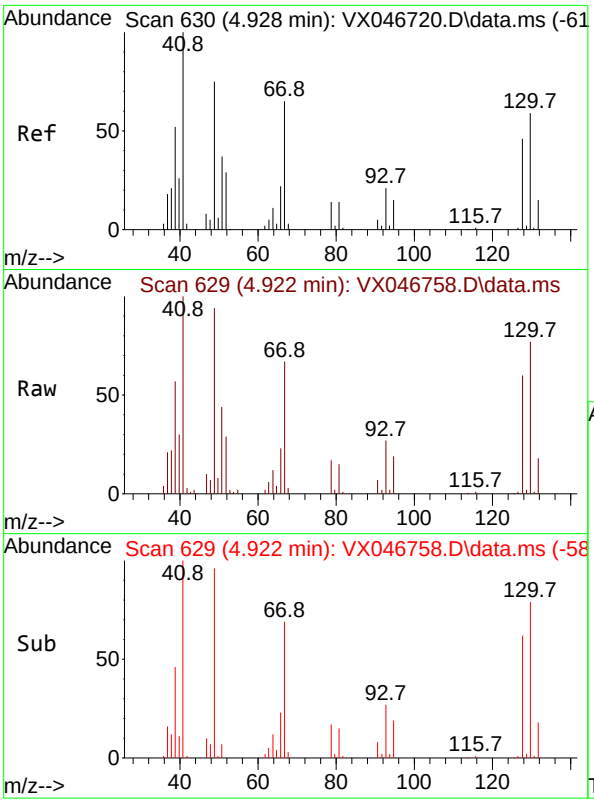




#40
Benzene
Concen: 50.074 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 78 Resp: 317423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 18.8 | 28.2 |



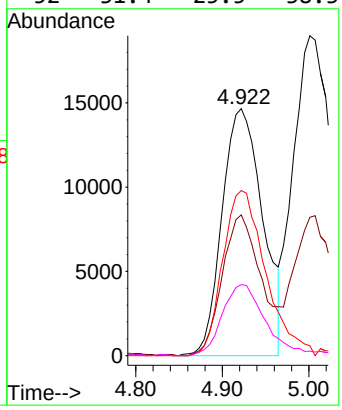


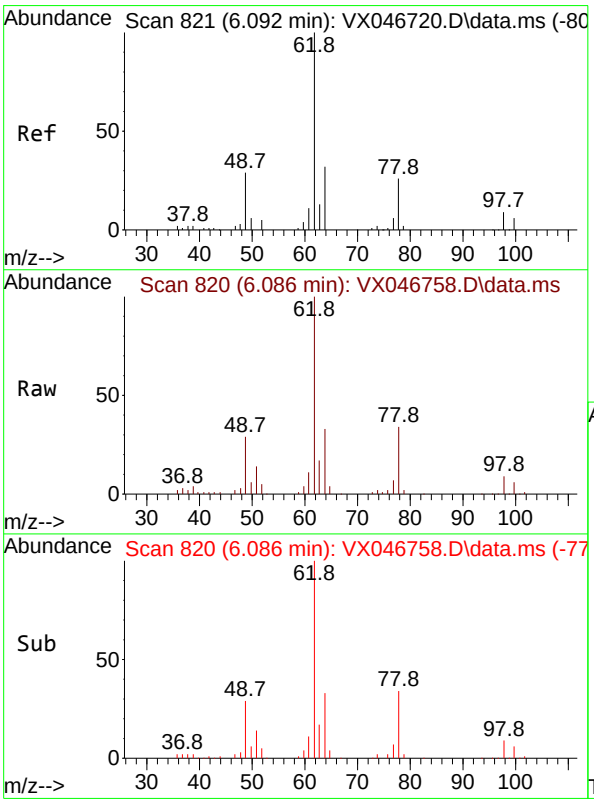

#41
Methacrylonitrile
Concen: 45.417 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 47871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 45.9 | 68.9 |
| 67 | 70.2 | 61.2 | 91.8 |
| 52 | 31.4 | 25.5 | 38.3 |

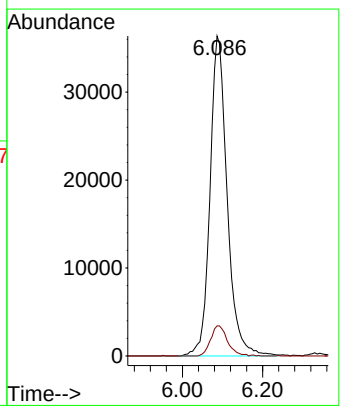


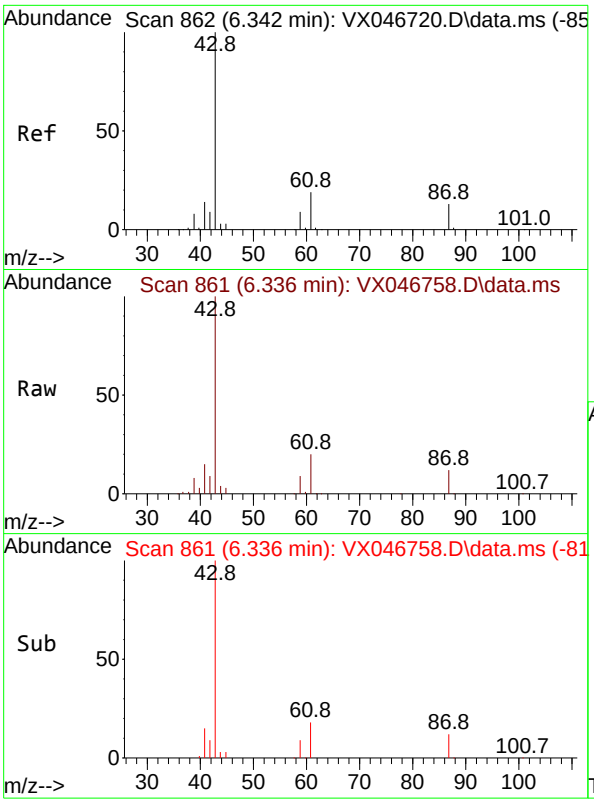




#42
1,2-Dichloroethane
Concen: 48.452 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 62 Resp: 107931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.8 |



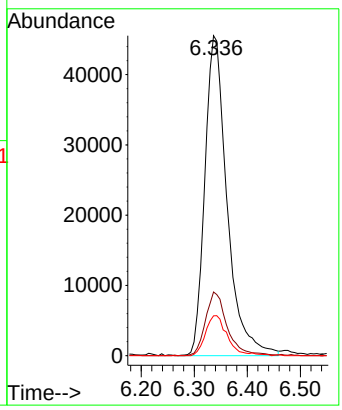


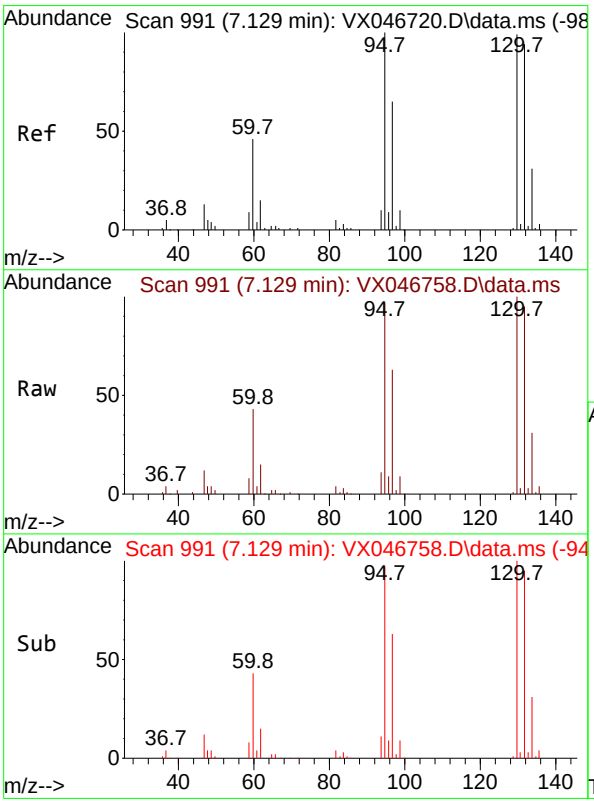

#43
Isopropyl Acetate
Concen: 42.935 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 132833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.3 | 22.9 |
| 87 | 12.3 | 10.0 | 15.0 |

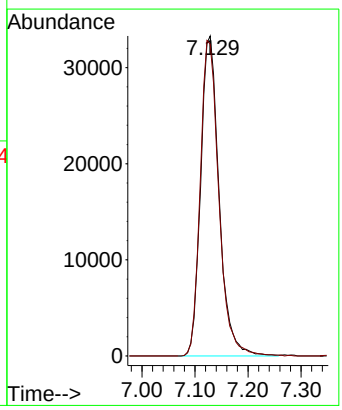


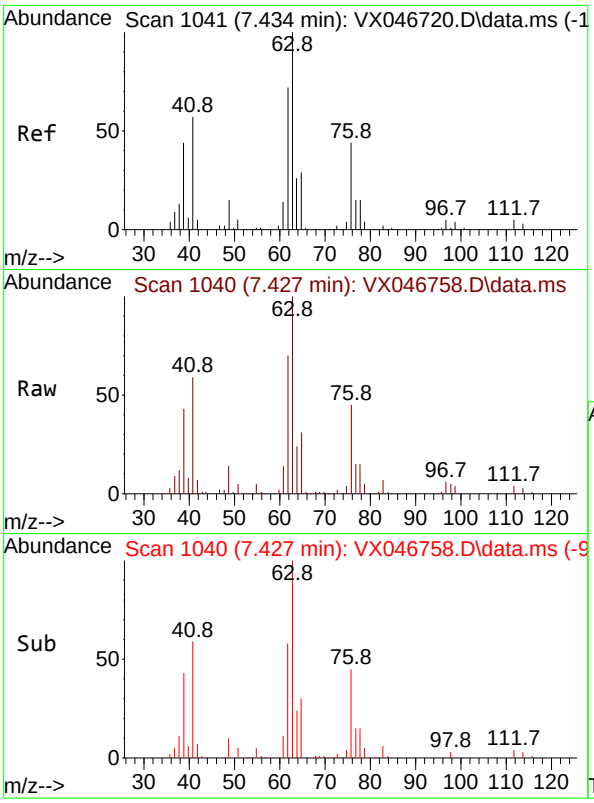




#44
Trichloroethene
Concen: 49.599 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:130 Resp: 80127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.5 | 0.0 | 202.6 |



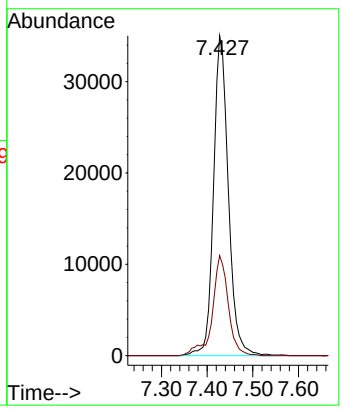


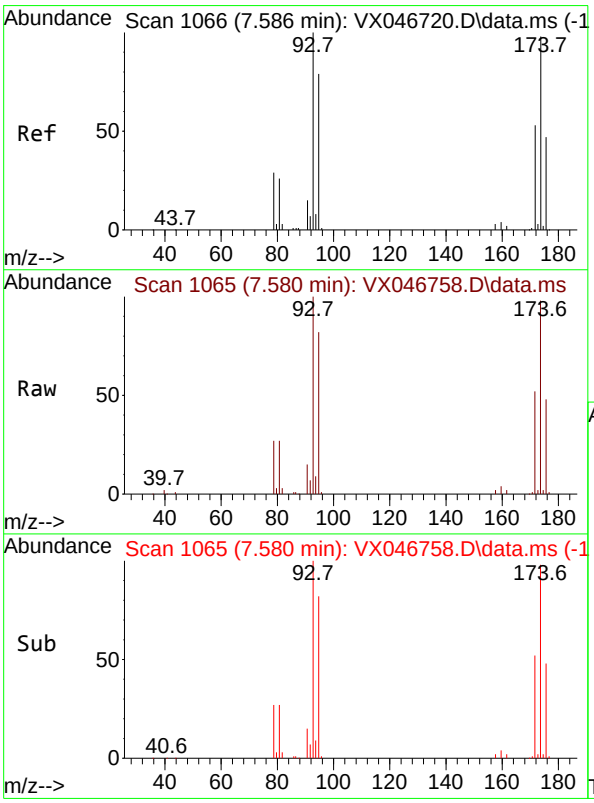

#45
1,2-Dichloropropane
Concen: 50.385 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 79156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 22.9 | 34.3 |

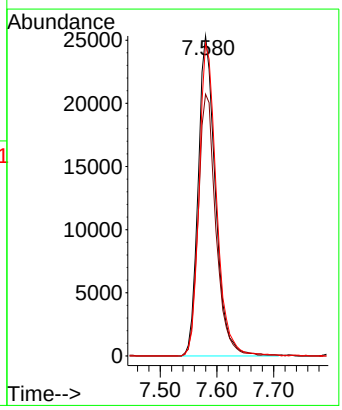


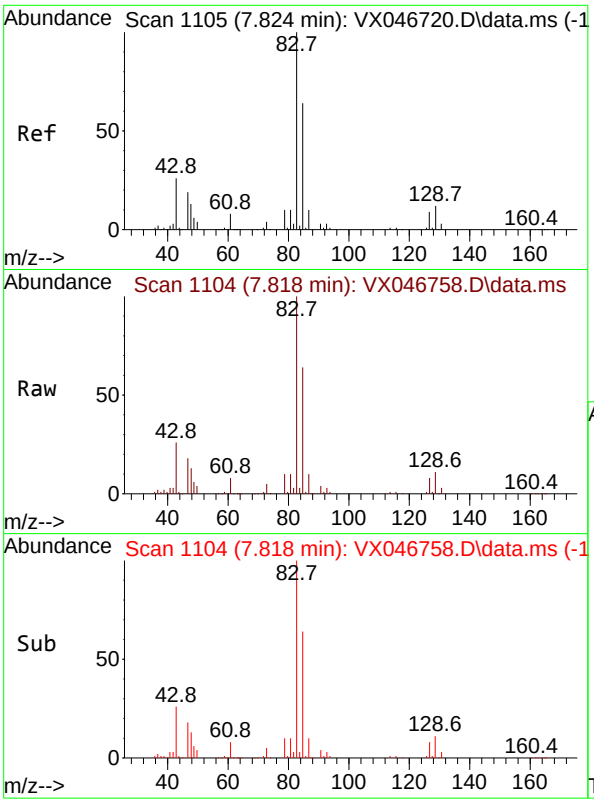




#46
Dibromomethane
Concen: 47.295 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 93 Resp: 53399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.2 | 99.4 |
| 174 | 98.2 | 77.0 | 115.6 |



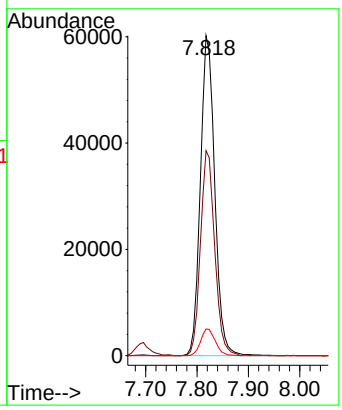


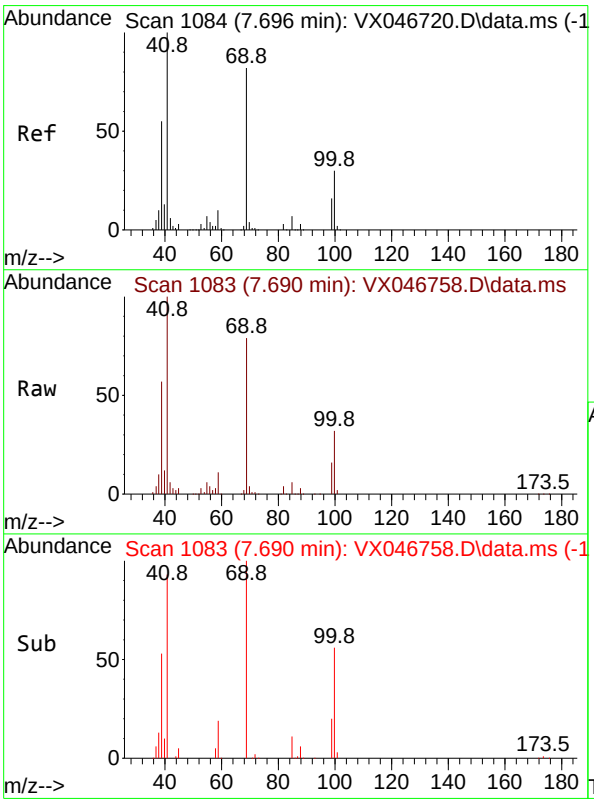

#47
Bromodichloromethane
Concen: 50.703 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 116822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 51.4 | 77.2 |
| 127 | 8.3 | 6.9 | 10.3 |

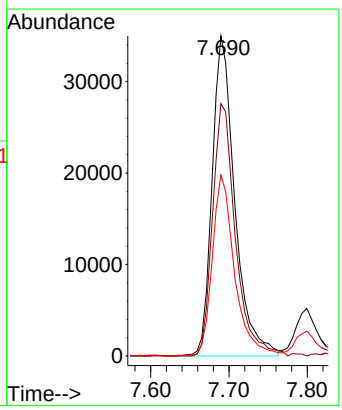


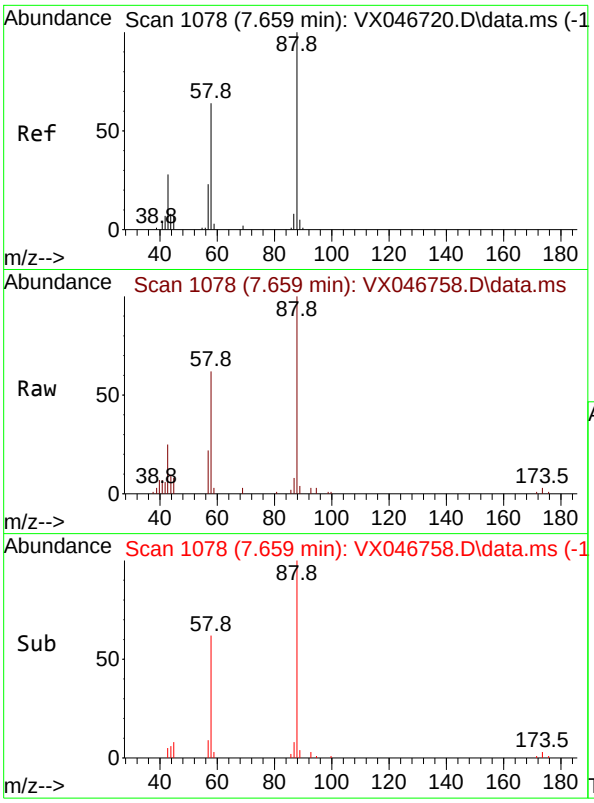




#48
Methyl methacrylate
Concen: 45.316 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 41 Resp: 70314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.5 | 63.4 | 95.2 |
| 39 | 55.5 | 45.4 | 68.0 |



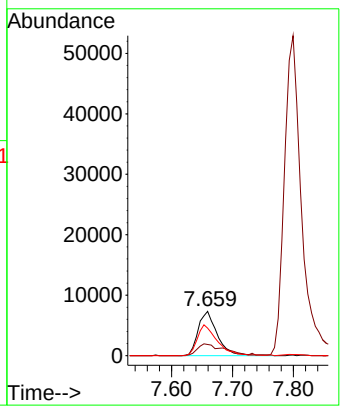


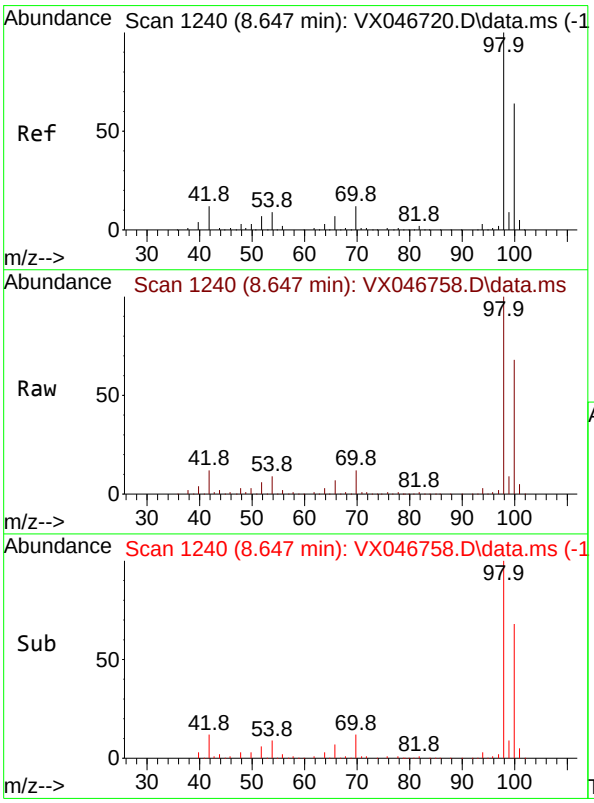

#49
1,4-Dioxane
Concen: 714.909 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 15950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.3 | 31.2 | 46.8 |
| 58 | 72.4 | 54.7 | 82.1 |

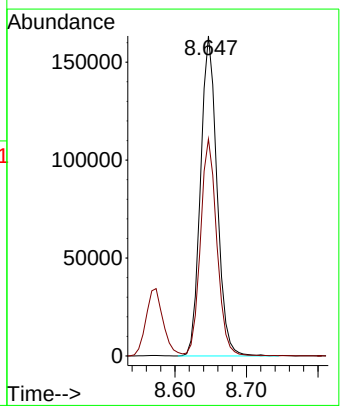


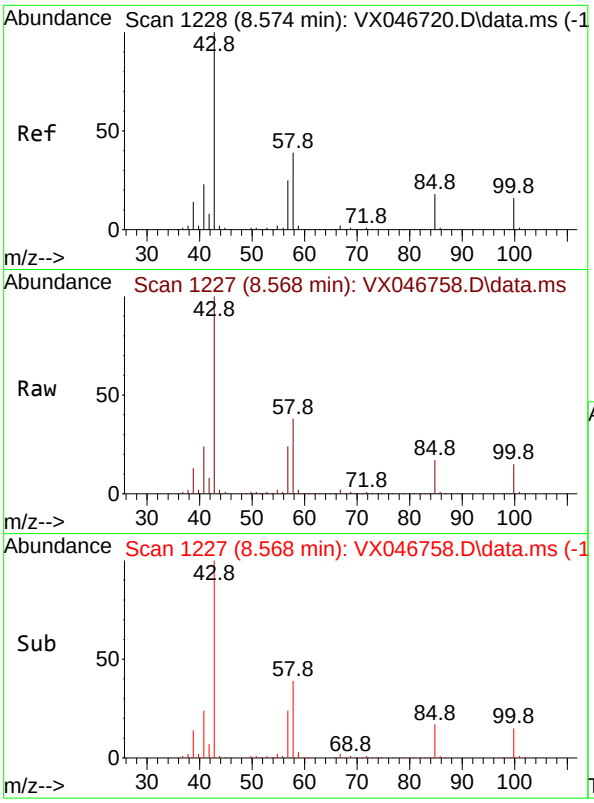




#50
Toluene-d8
Concen: 49.067 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 98 Resp: 261576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 53.0 | 79.4 |



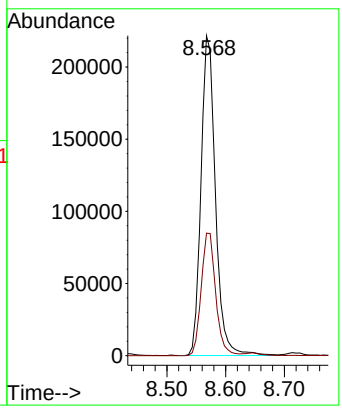


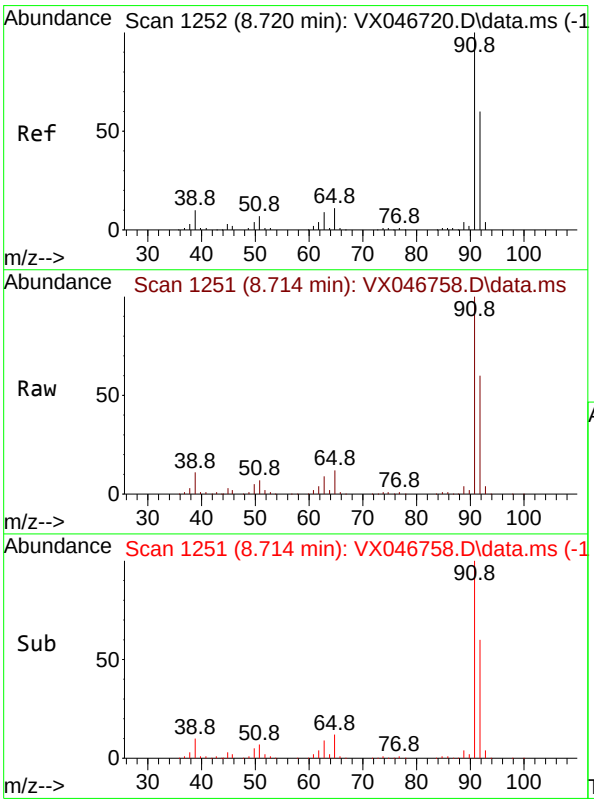

#51
4-Methyl-2-Pentanone
Concen: 205.777 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 379704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 30.8 | 46.2 |

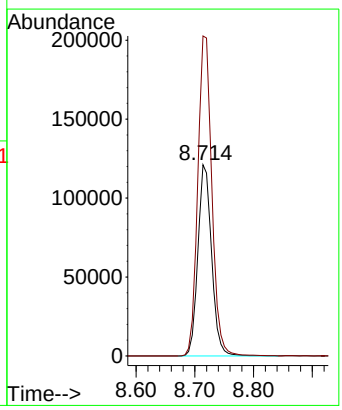


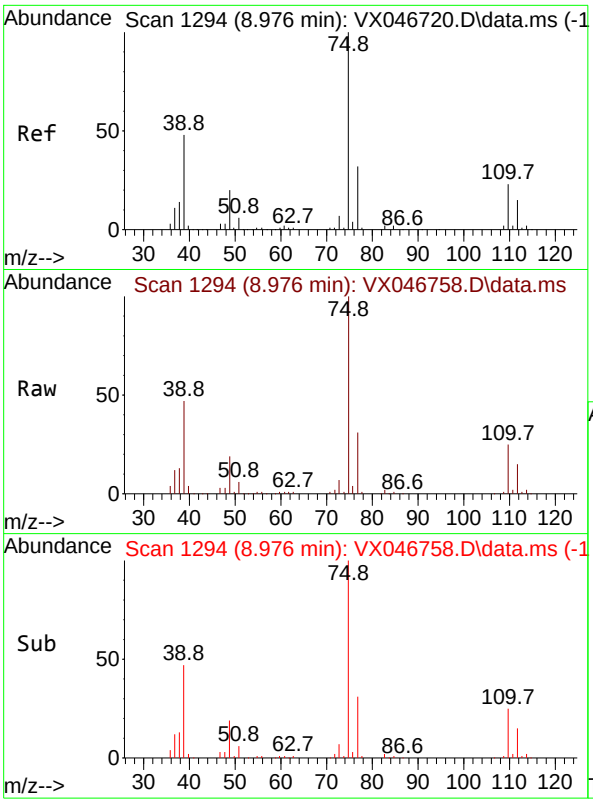




#52
Toluene
Concen: 50.025 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 92 Resp: 196587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.9 | 134.8 | 202.2 |



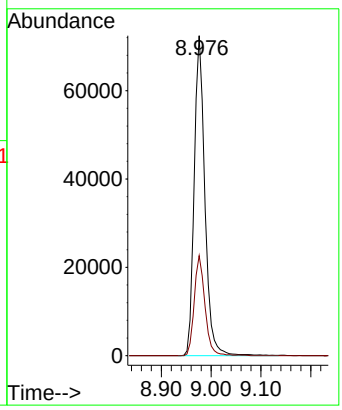


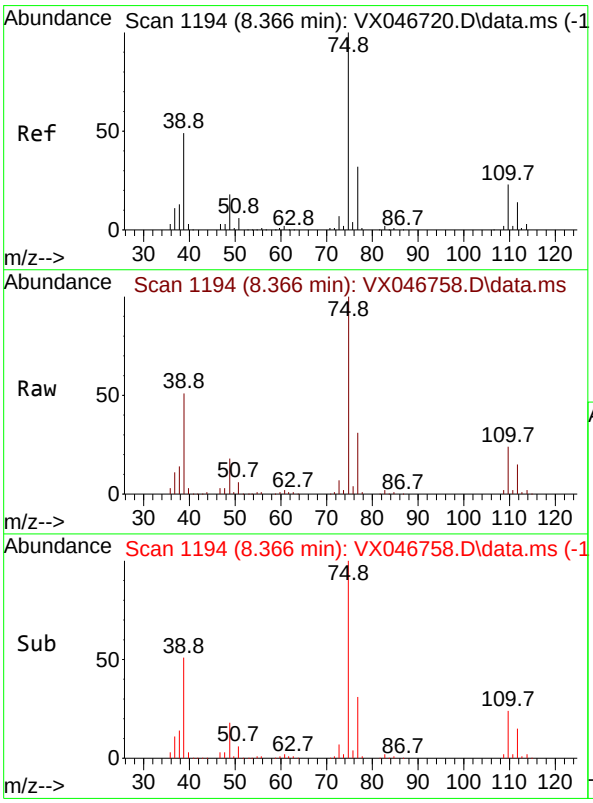

#53
t-1,3-Dichloropropene
Concen: 50.420 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 107788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.6 | 38.4 |

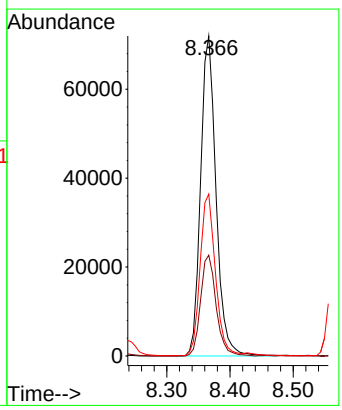


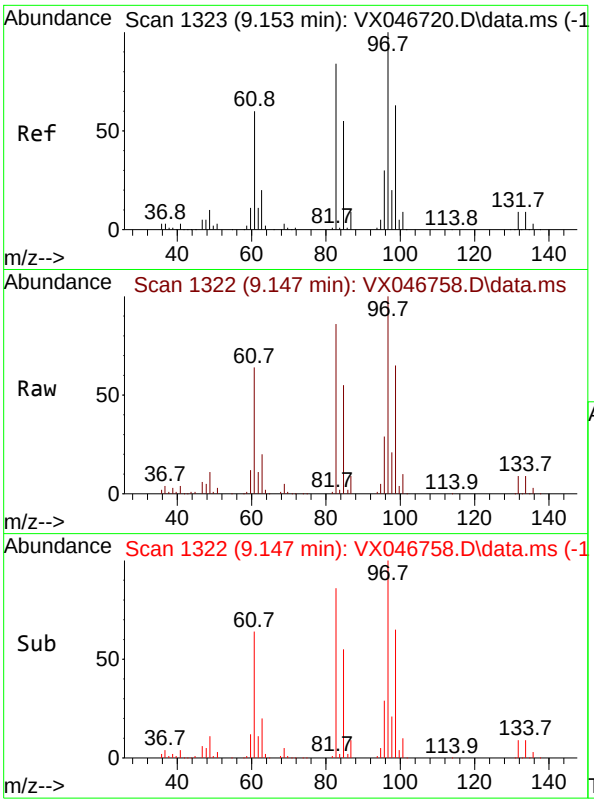




#54
cis-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 122151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.3 | 37.9 |
| 39 | 50.5 | 39.2 | 58.8 |



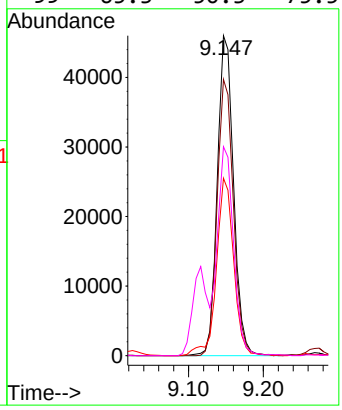


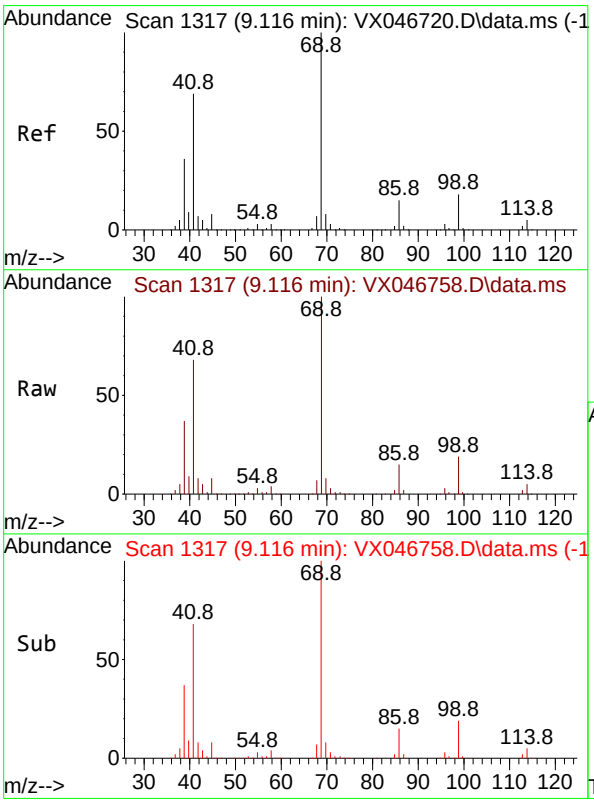

#55
1,1,2-Trichloroethane
Concen: 47.614 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 69729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.3 | 67.2 | 100.8 |
| 85 | 55.4 | 44.1 | 66.1 |
| 99 | 65.3 | 50.3 | 75.5 |

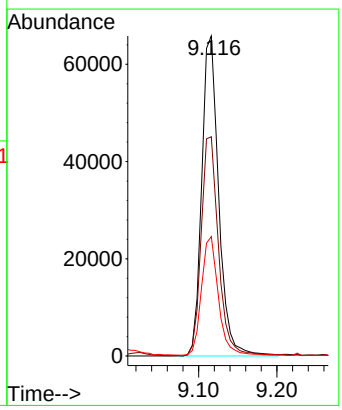


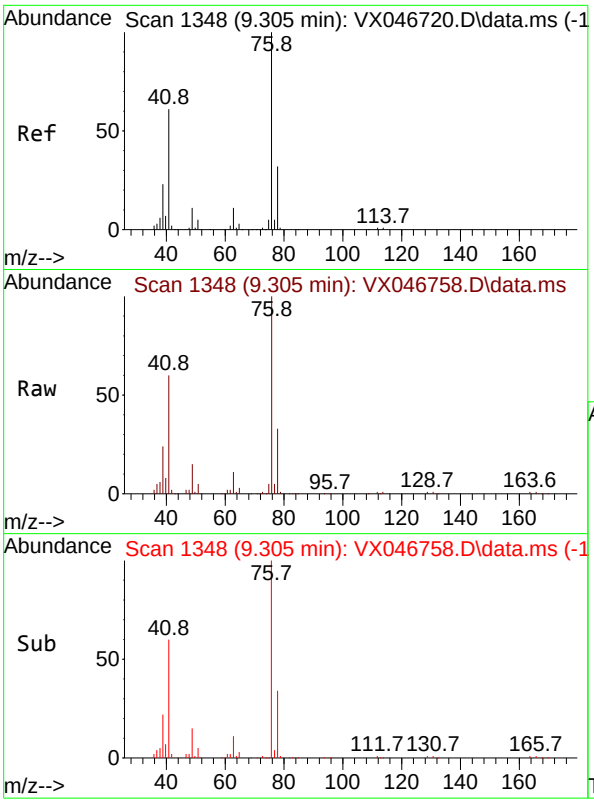




#56
Ethyl methacrylate
Concen: 45.899 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 69 Resp: 99225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.7 | 55.4 | 83.2 |
| 39 | 37.1 | 29.7 | 44.5 |



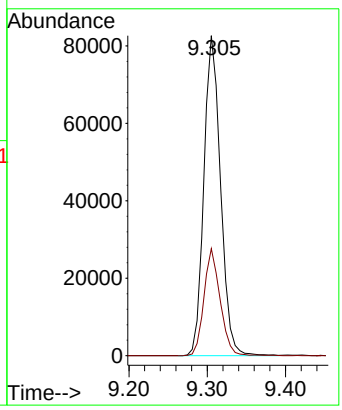


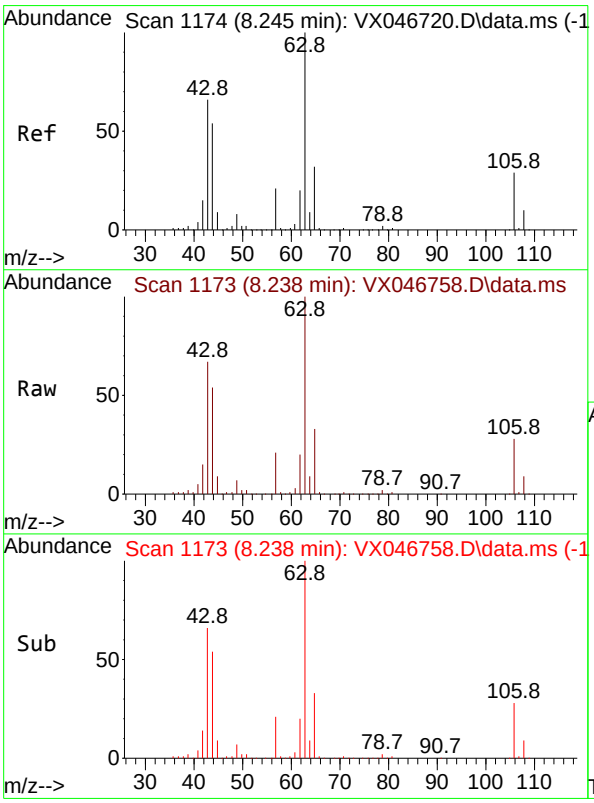

#57
1,3-Dichloropropane
Concen: 48.408 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 122083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 25.7 | 38.5 |

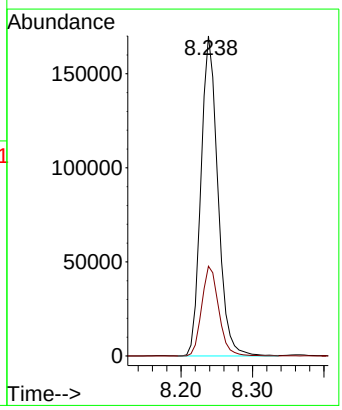


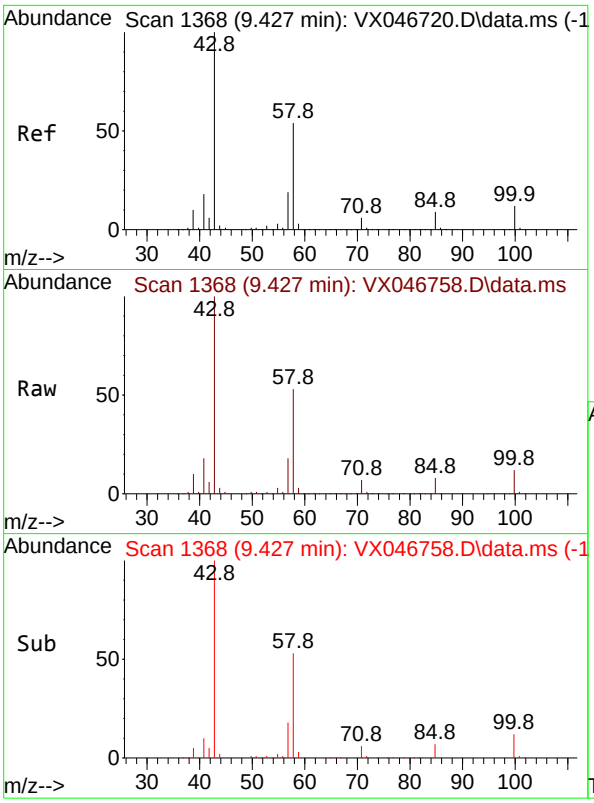




#58
2-Chloroethyl Vinyl ether
Concen: 248.797 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 63 Resp: 279394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 22.6 | 34.0 |



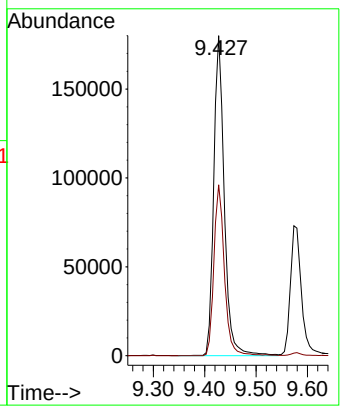


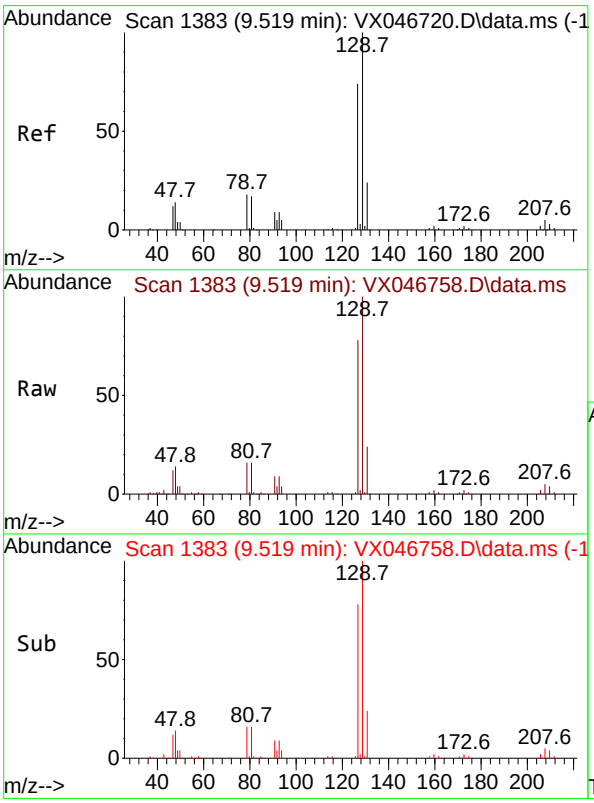

#59
2-Hexanone
Concen: 201.475 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 257015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.8 | 80.4 |

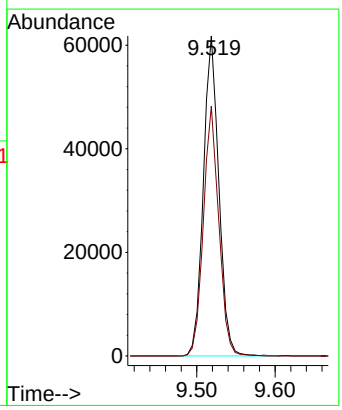


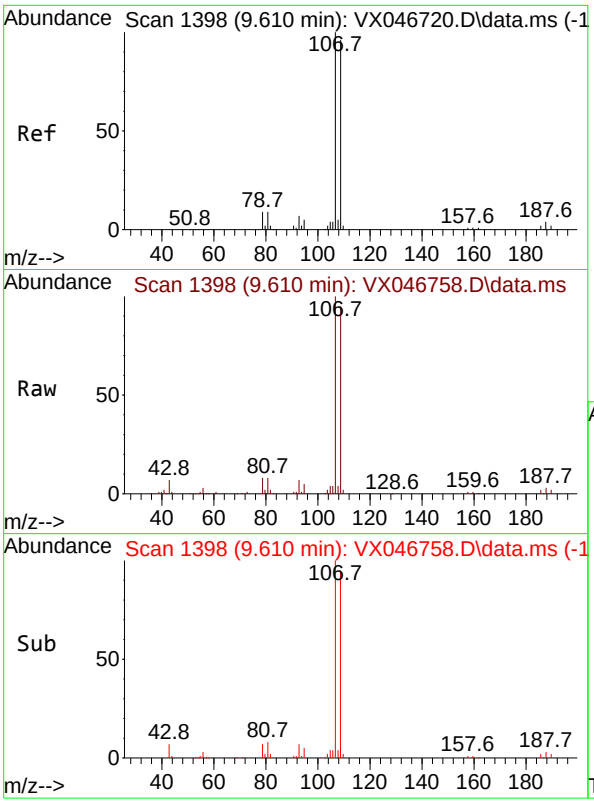




#60
Dibromochloromethane
Concen: 49.021 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:129 Resp: 84603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |



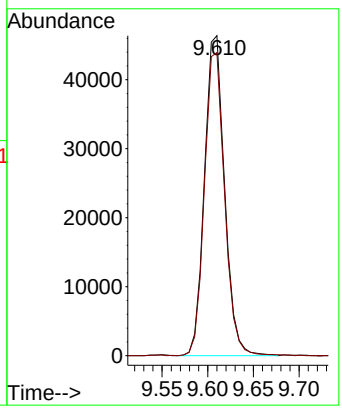


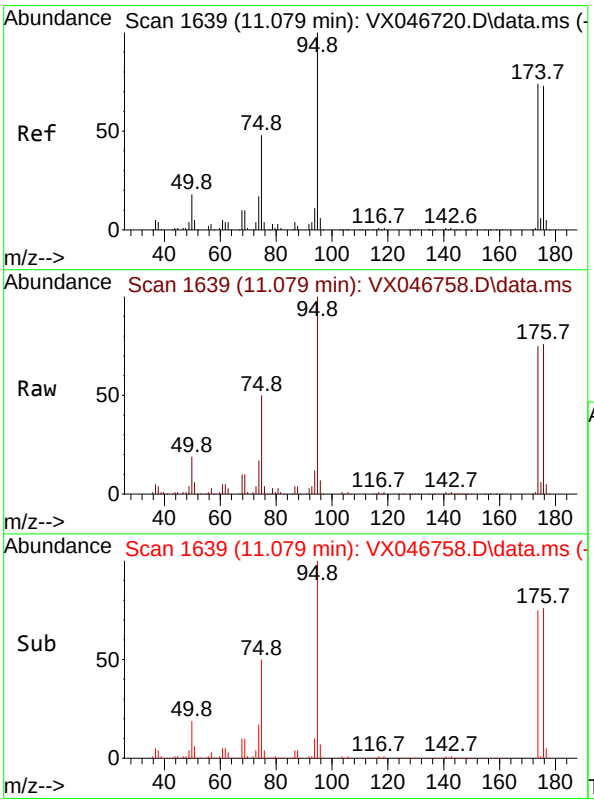

#61
1,2-Dibromoethane
Concen: 47.653 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 70987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.8 | 75.8 | 113.6 |

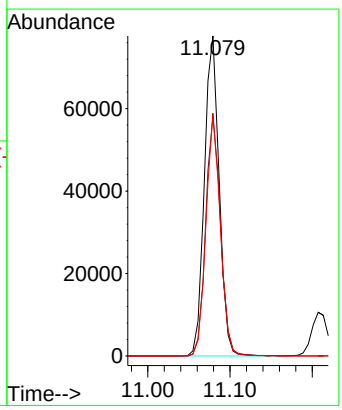


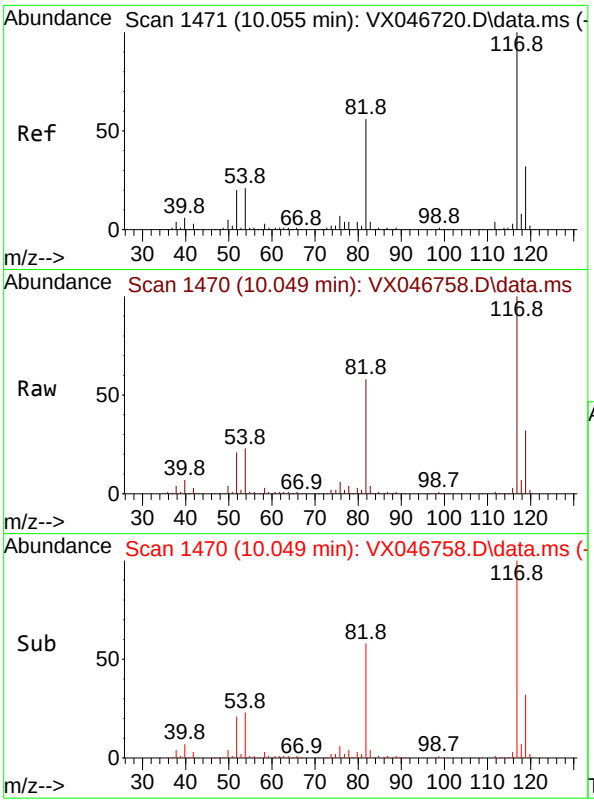




#62
4-Bromofluorobenzene
Concen: 48.823 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 95 Resp: 97021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.1 | 0.0 | 150.4 |
| 176 | 73.0 | 0.0 | 145.0 |



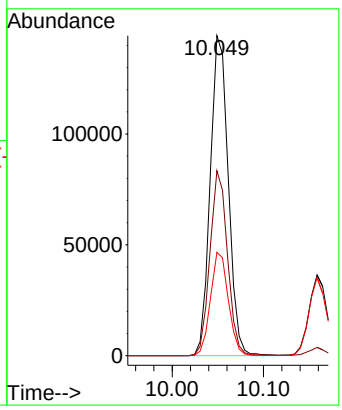


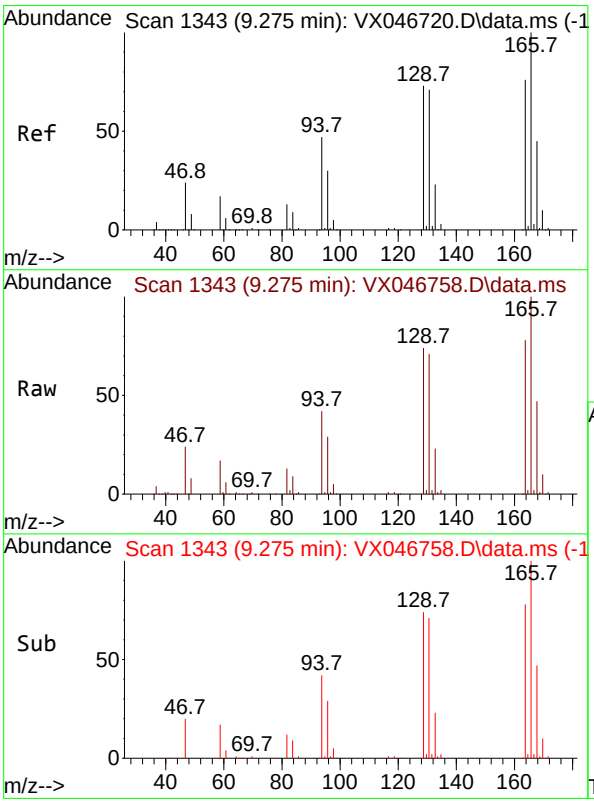

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 197740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 44.6 | 66.8 |
| 119 | 32.3 | 25.8 | 38.8 |

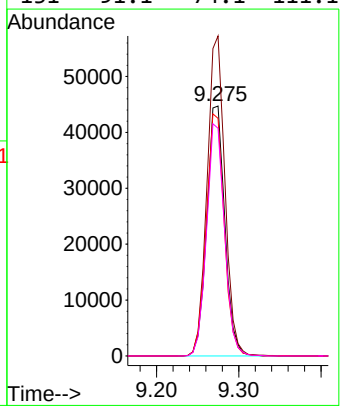


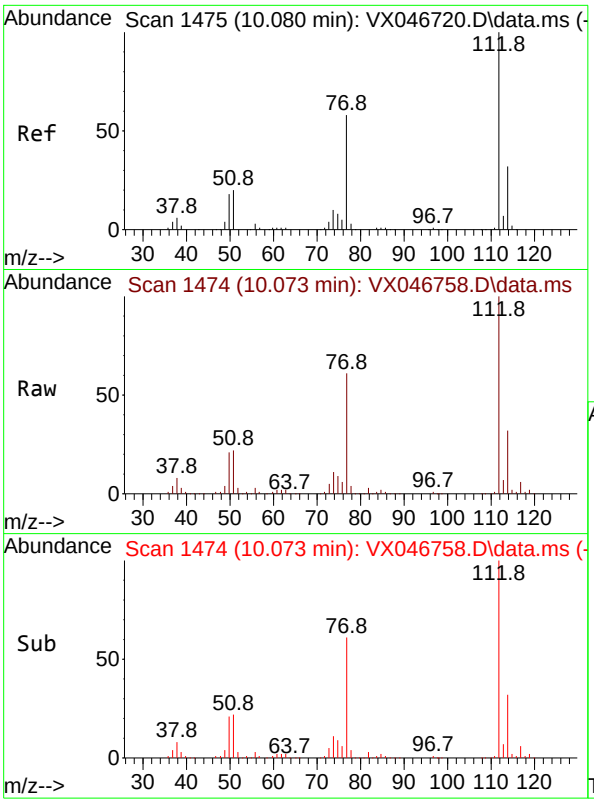




#64
Tetrachloroethene
Concen: 49.587 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:164 Resp: 67934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 104.6 | 157.0 |
| 129 | 95.0 | 76.3 | 114.5 |
| 131 | 91.1 | 74.1 | 111.1 |



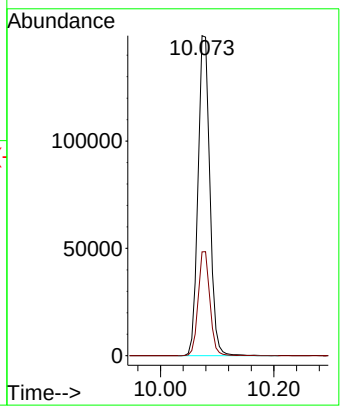


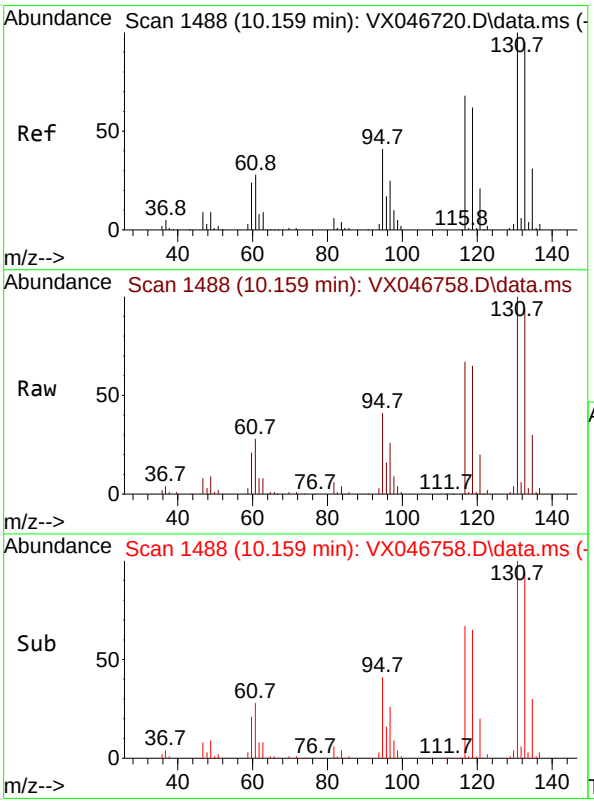

#65
Chlorobenzene
Concen: 49.352 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 215423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.5 | 38.3 |

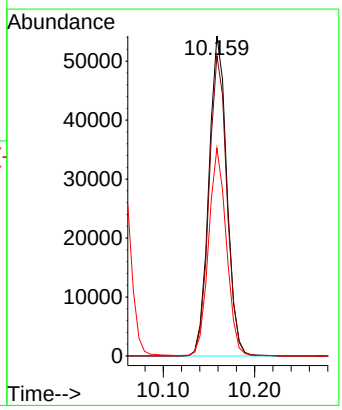


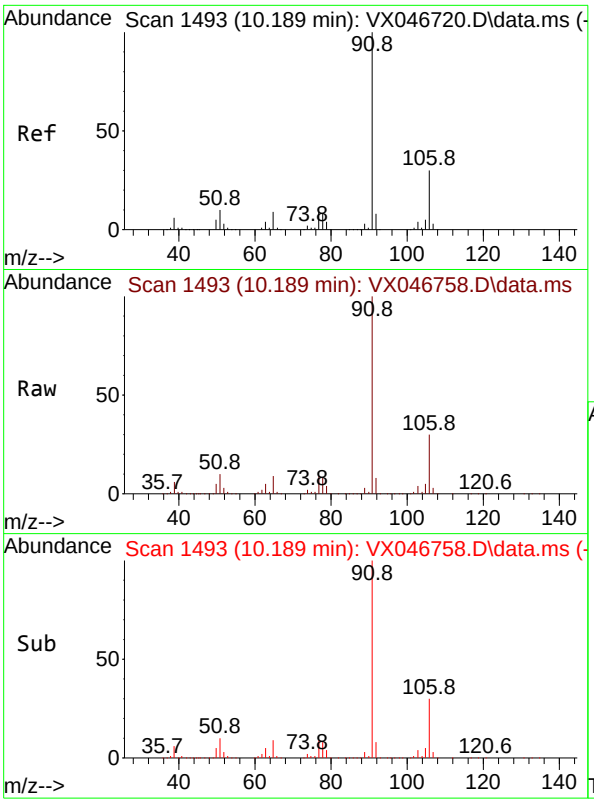




#66
1,1,1,2-Tetrachloroethane
Concen: 50.304 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:131 Resp: 73797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 141.8 |
| 119 | 64.5 | 32.1 | 96.3 |



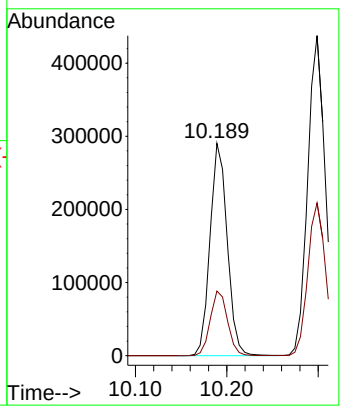


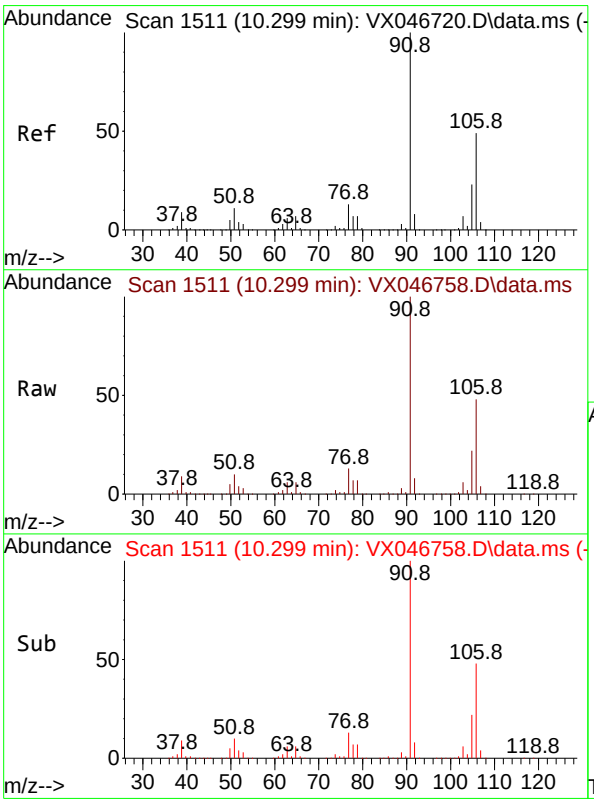

#67
Ethyl Benzene
Concen: 49.719 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 379202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.2 | 36.2 |

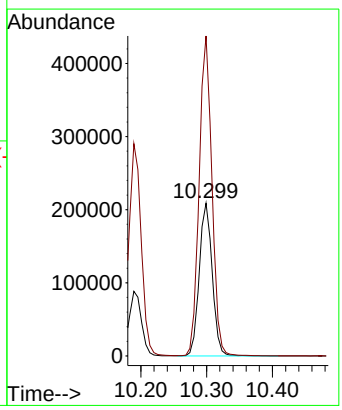


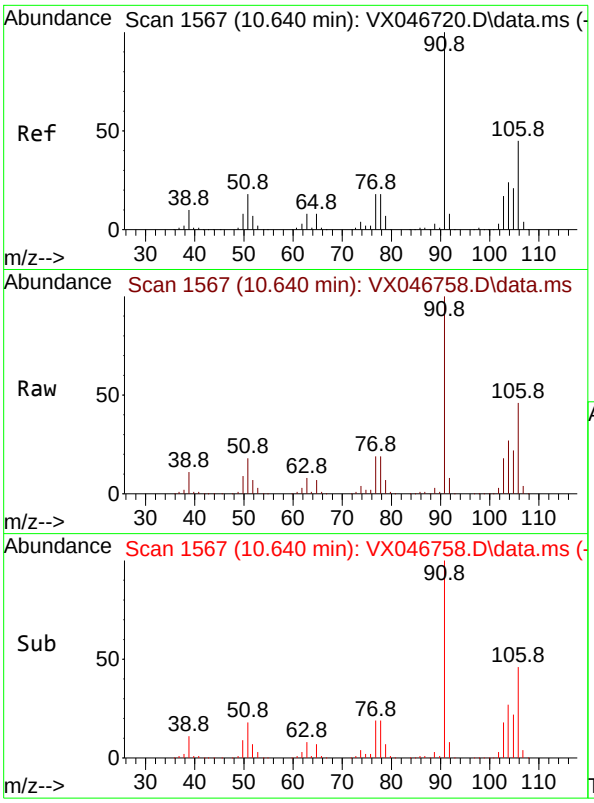




#68
m/p-Xylenes
Concen: 100.703 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:106 Resp: 286180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.9 | 164.8 | 247.2 |



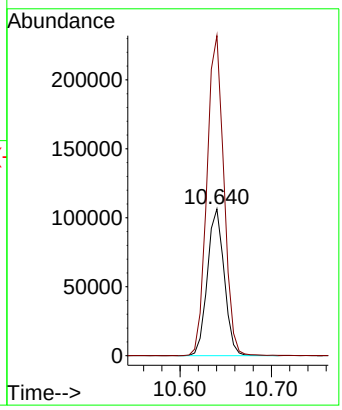


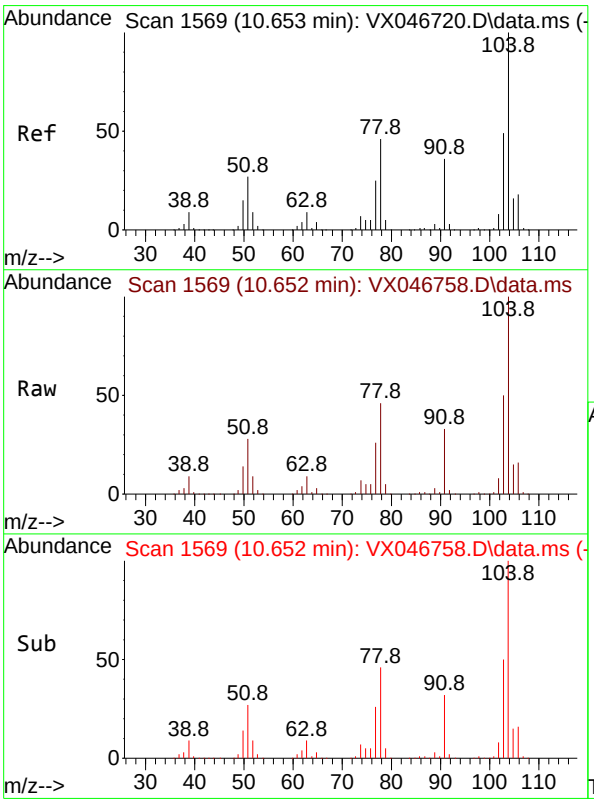

#69
o-Xylene
Concen: 51.004 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 135837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 111.3 | 333.9 |

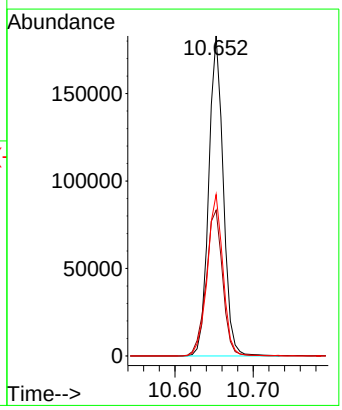


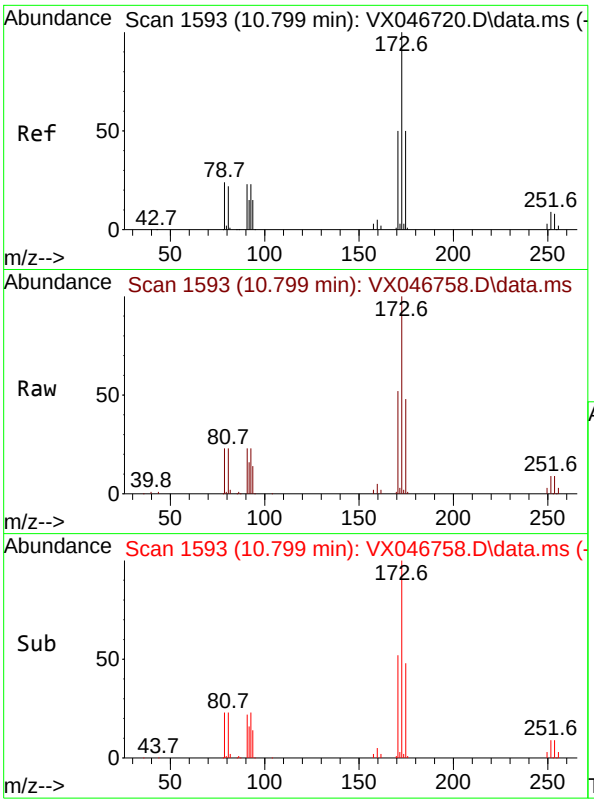




#70
Styrene
Concen: 50.573 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:104 Resp: 235709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 41.4 | 62.2 |
| 103 | 54.3 | 43.1 | 64.7 |



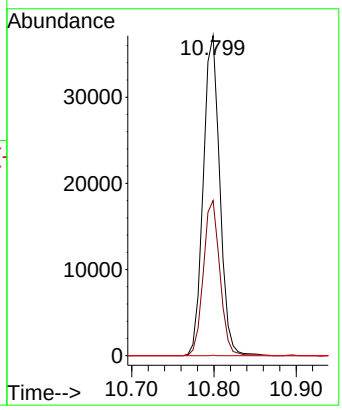


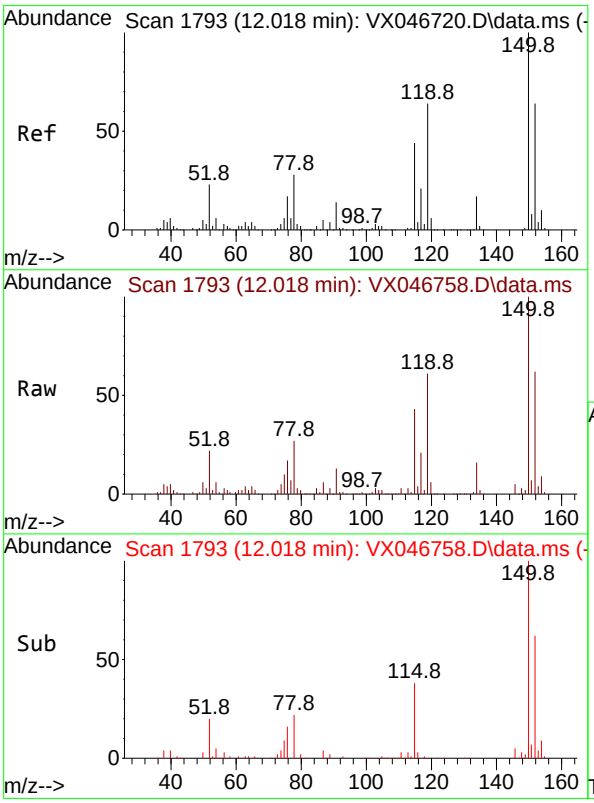

#71
Bromoform
Concen: 46.470 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 51917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

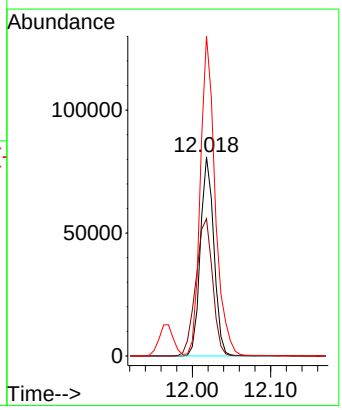


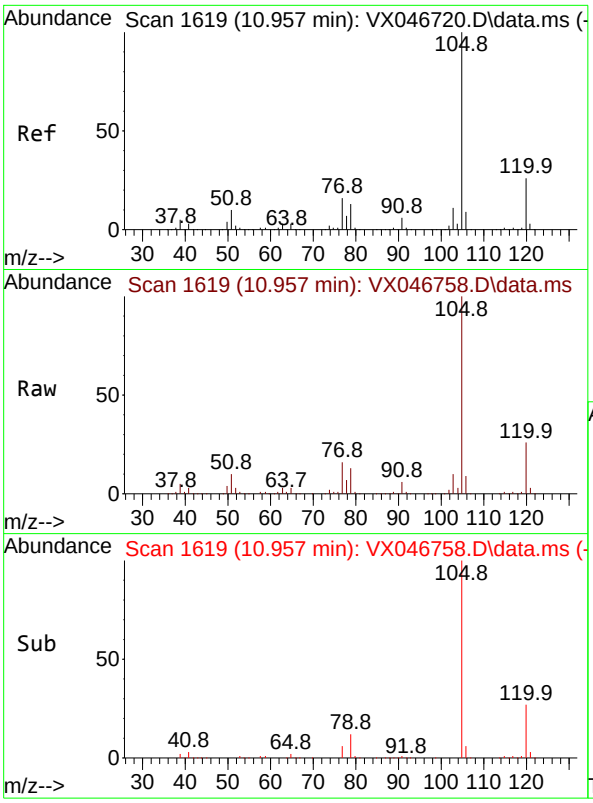




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:152 Resp: 96867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.5 | 43.2 | 129.6 |
| 150 | 175.8 | 0.0 | 346.8 |



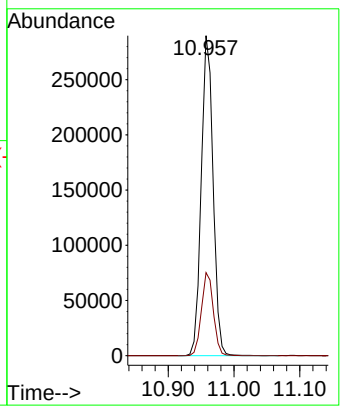


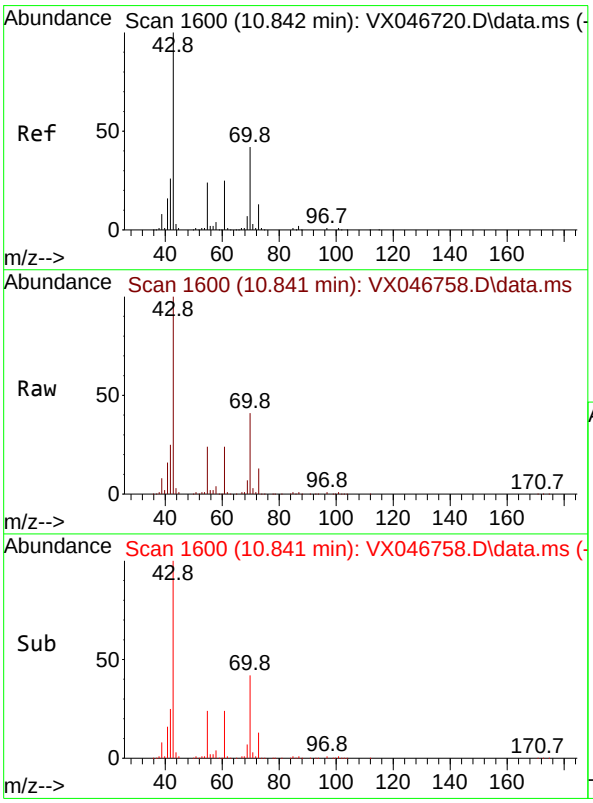

#73
Isopropylbenzene
Concen: 50.881 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 362998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |

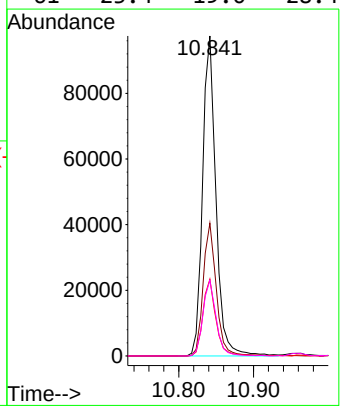


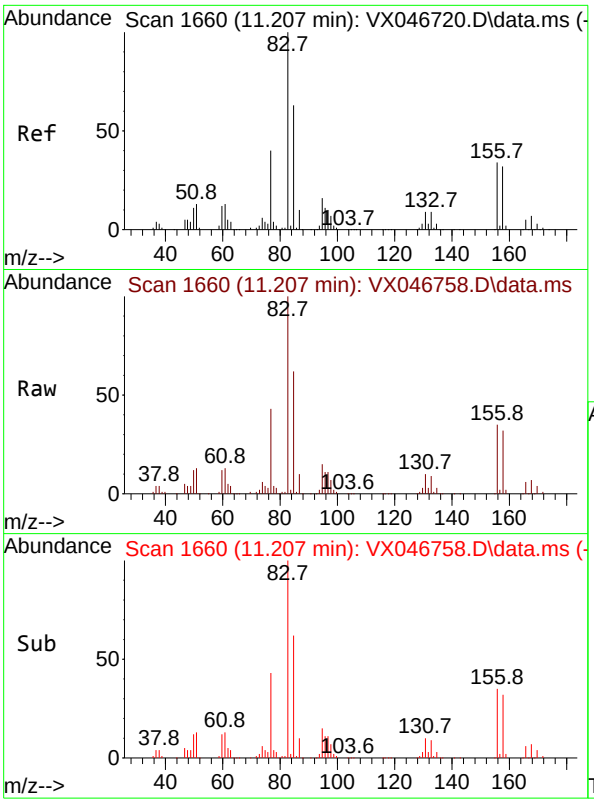




#74
N-amyl acetate
Concen: 44.699 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 43 Resp: 120822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 33.4 | 50.0 |
| 55 | 23.7 | 19.1 | 28.7 |
| 61 | 23.4 | 19.0 | 28.4 |



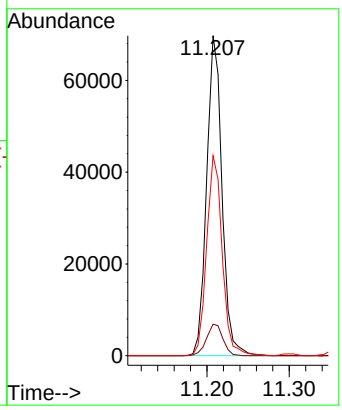


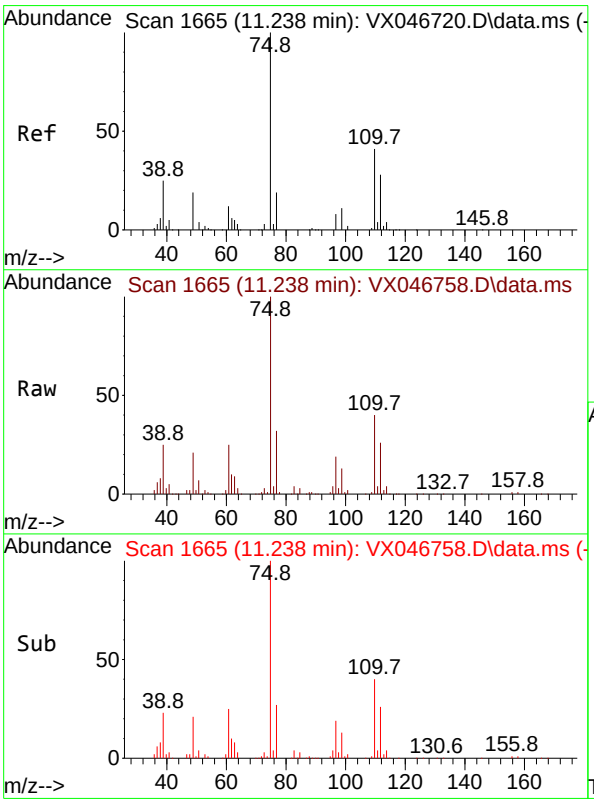

#75
1,1,2,2-Tetrachloroethane
Concen: 45.350 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 90340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 4.9 | 14.6 |
| 85 | 63.3 | 32.0 | 96.0 |

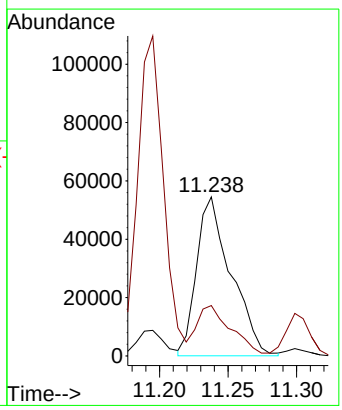


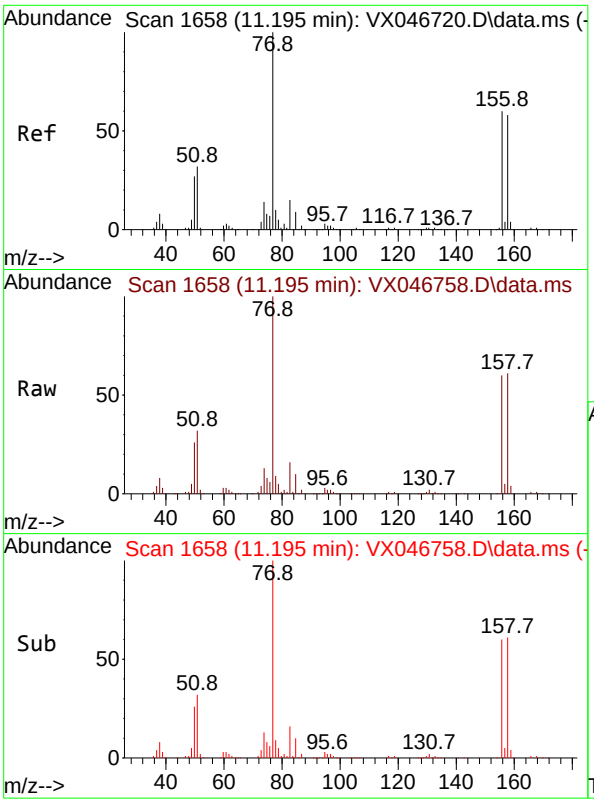




#76
1,2,3-Trichloropropane
Concen: 53.868 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 95570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 18.5 | 55.5 |



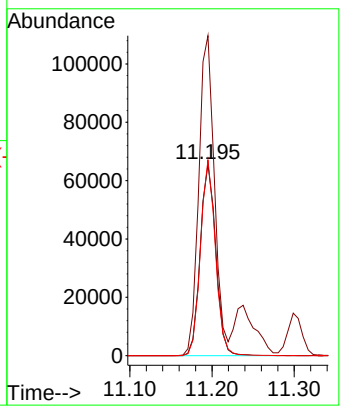


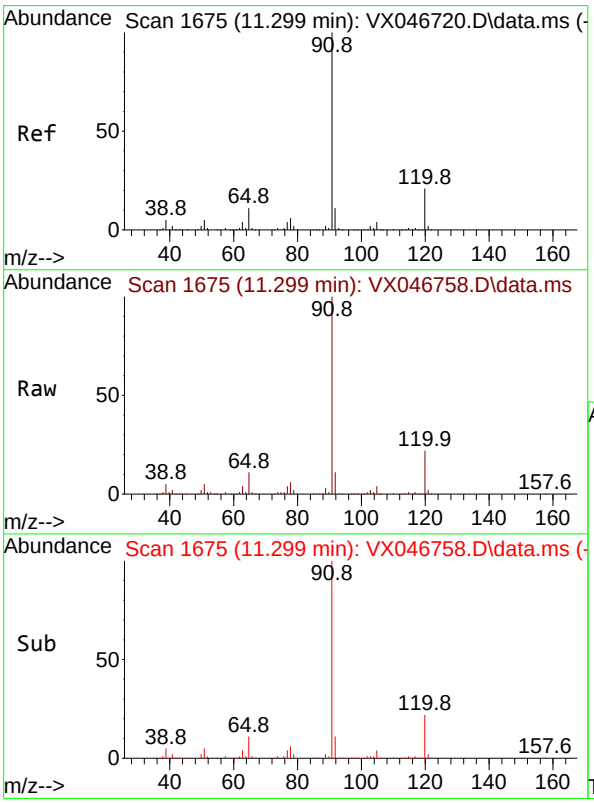

#77
Bromobenzene
Concen: 50.284 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 86326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.7 | 82.8 | 248.6 |
| 158 | 98.3 | 47.6 | 142.9 |

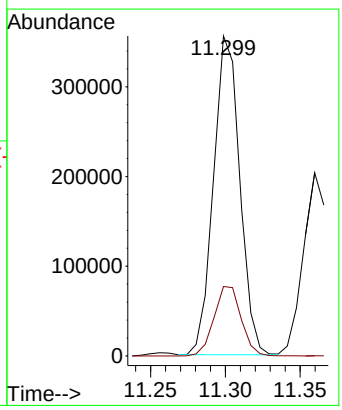


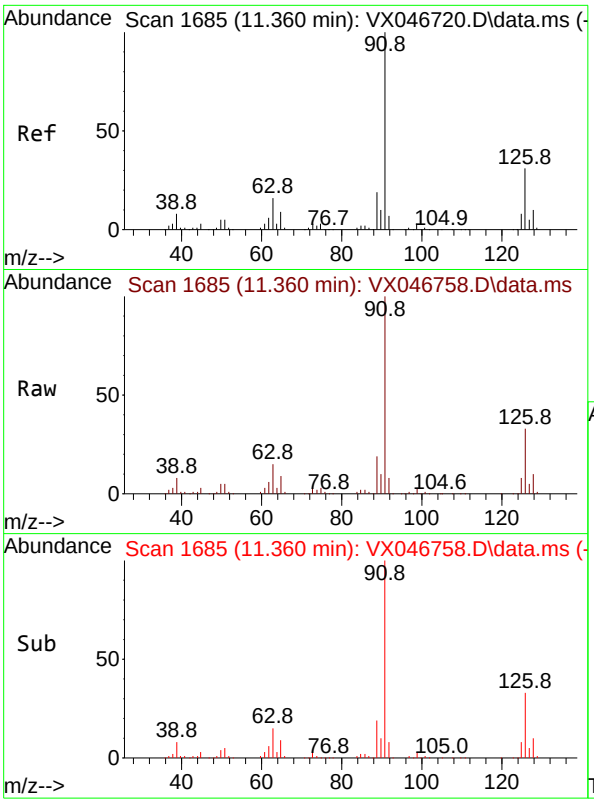




#78
n-propylbenzene
Concen: 51.296 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 434668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |



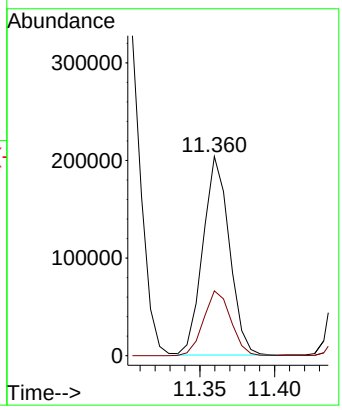


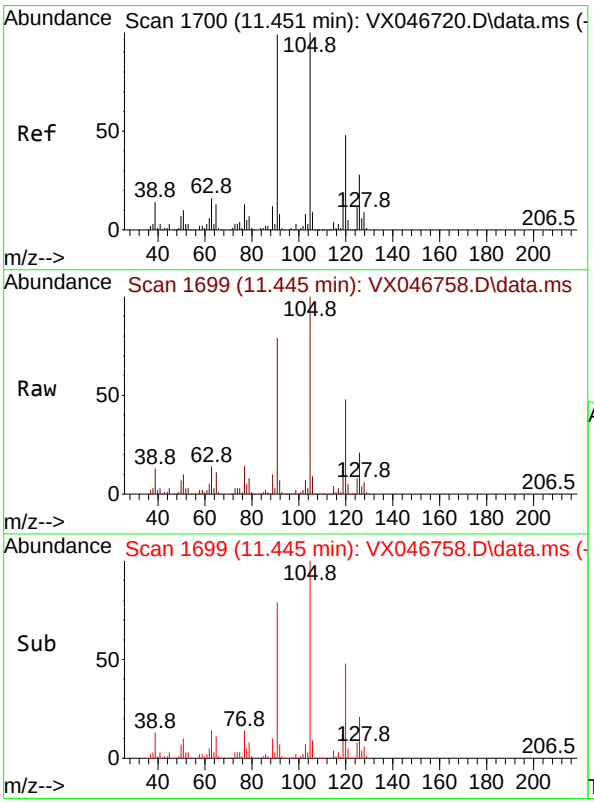

#79
2-Chlorotoluene
Concen: 49.529 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 250583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.6 | 16.6 | 49.7 |

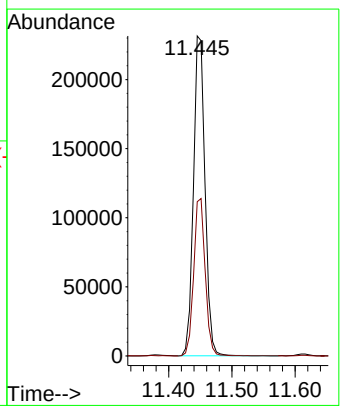


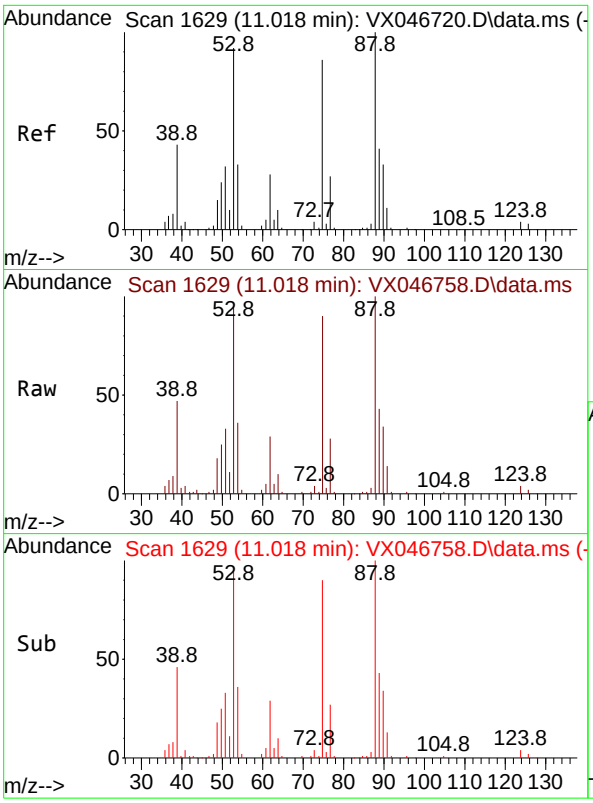




#80
1,3,5-Trimethylbenzene
Concen: 50.244 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:105 Resp: 294565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.1 | 24.1 | 72.2 |



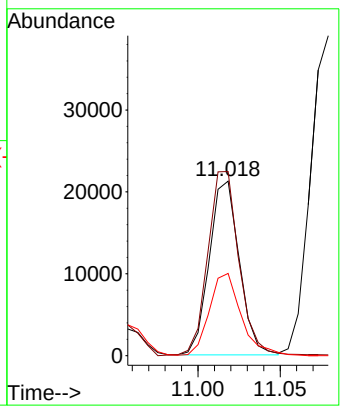


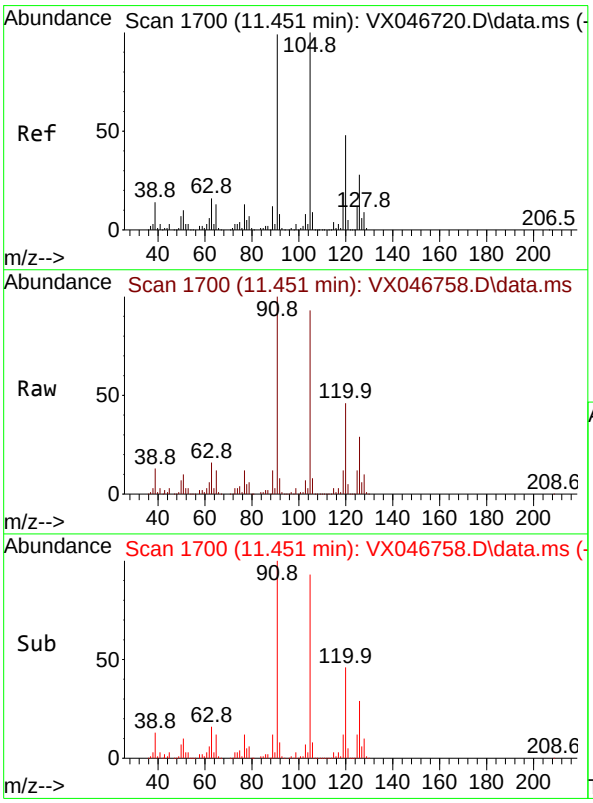

#81
trans-1,4-Dichloro-2-butene
Concen: 43.036 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 27012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.1 | 86.8 | 130.2 |
| 89 | 50.3 | 36.9 | 55.3 |

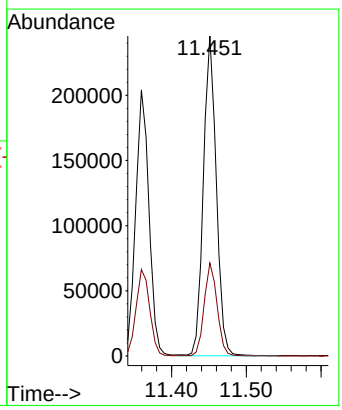


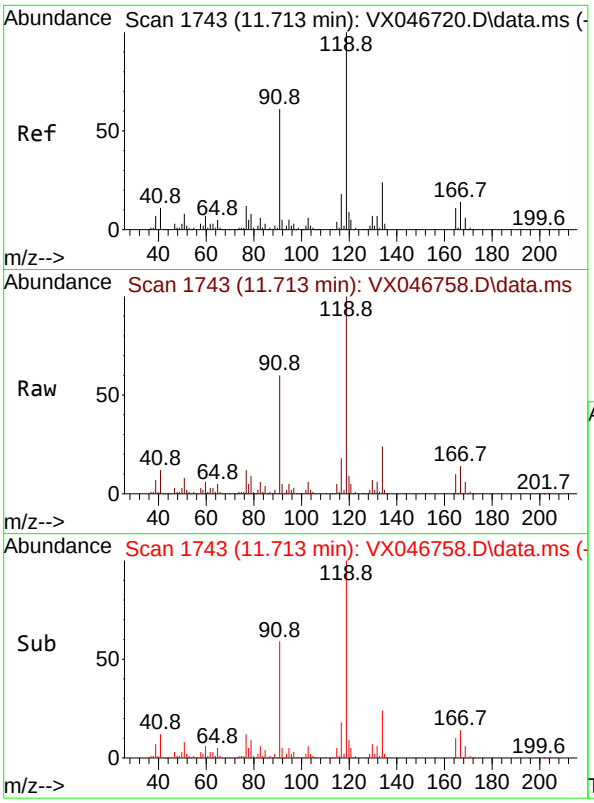




#82
4-Chlorotoluene
Concen: 49.875 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 91 Resp: 294491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |



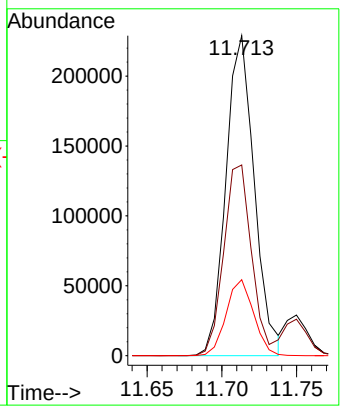


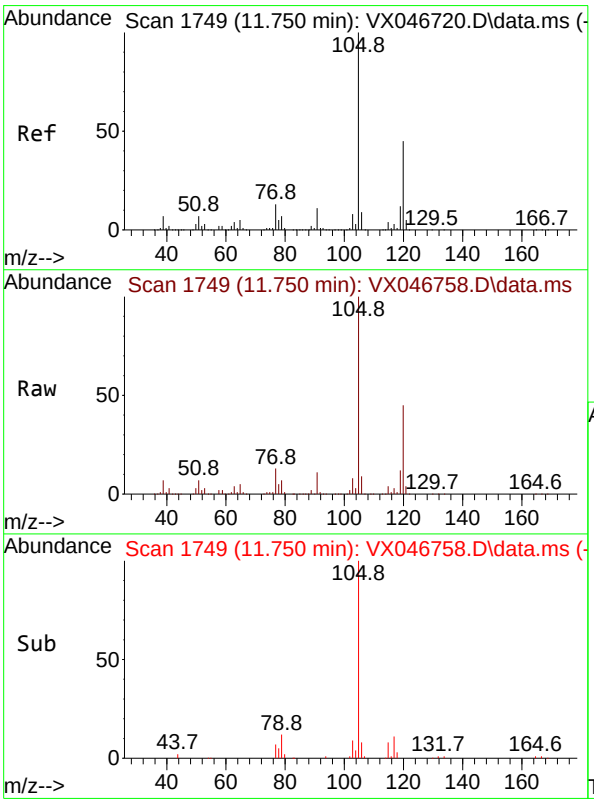

#83
tert-Butylbenzene
Concen: 49.891 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 302344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.1 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |

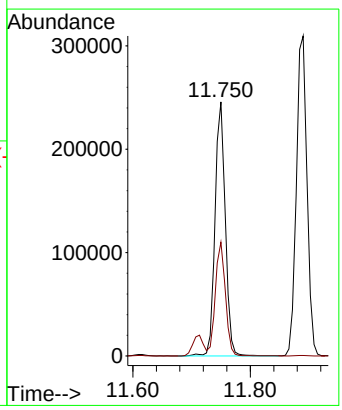


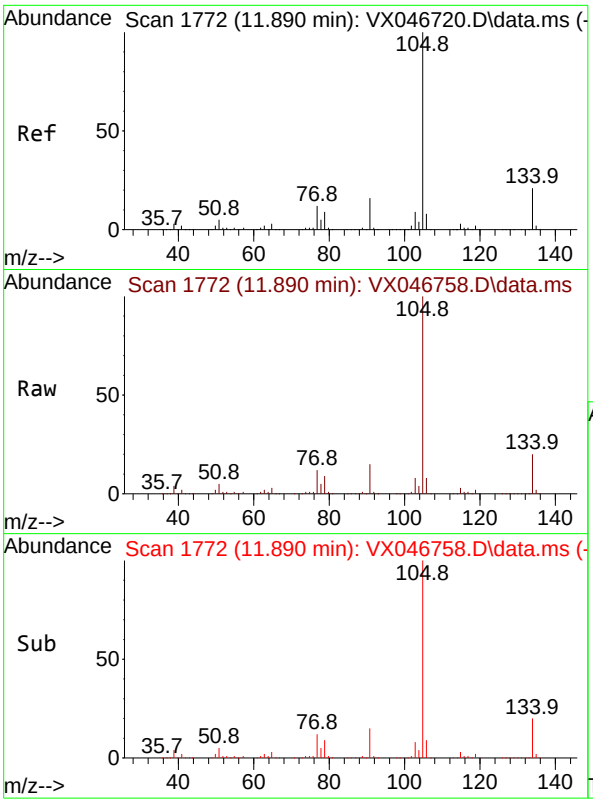




#84
1,2,4-Trimethylbenzene
Concen: 50.692 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:105 Resp: 298590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.3 |



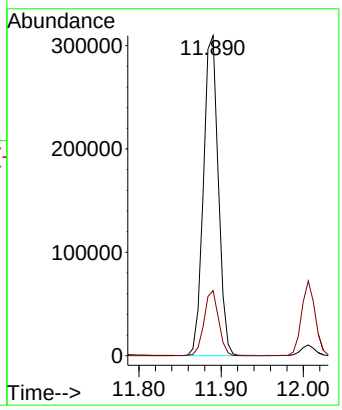


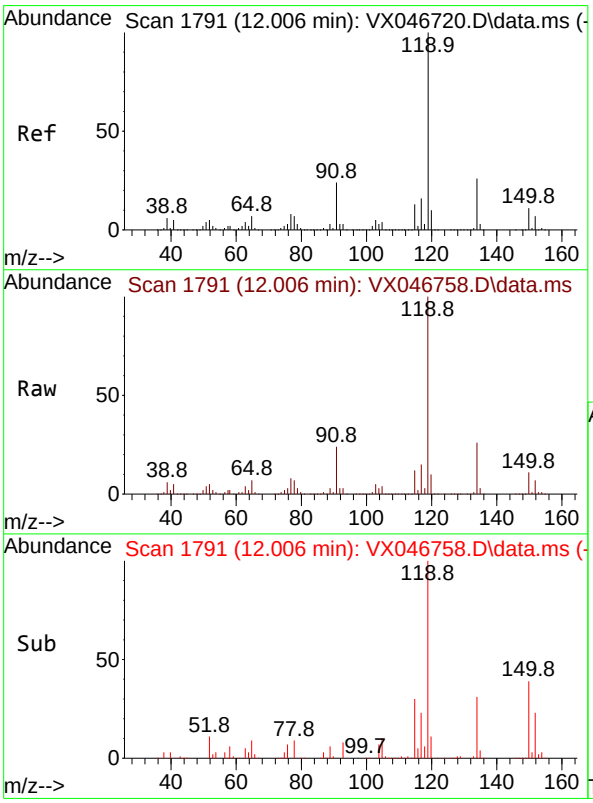

#85
sec-Butylbenzene
Concen: 50.841 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 389381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.8 | 29.4 |

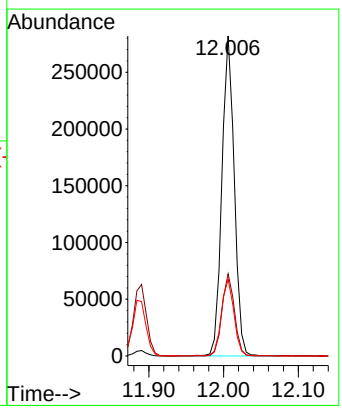


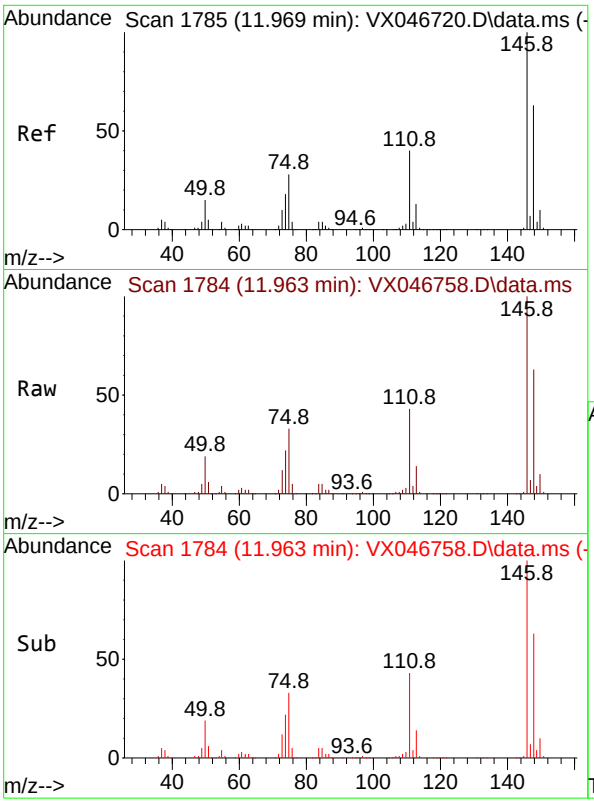




#86
p-Isopropyltoluene
Concen: 50.214 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:119 Resp: 324490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.9 | 38.7 |
| 91 | 24.3 | 12.3 | 36.9 |



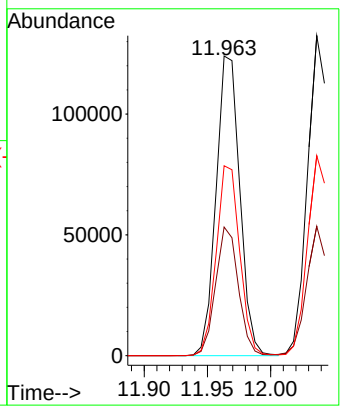


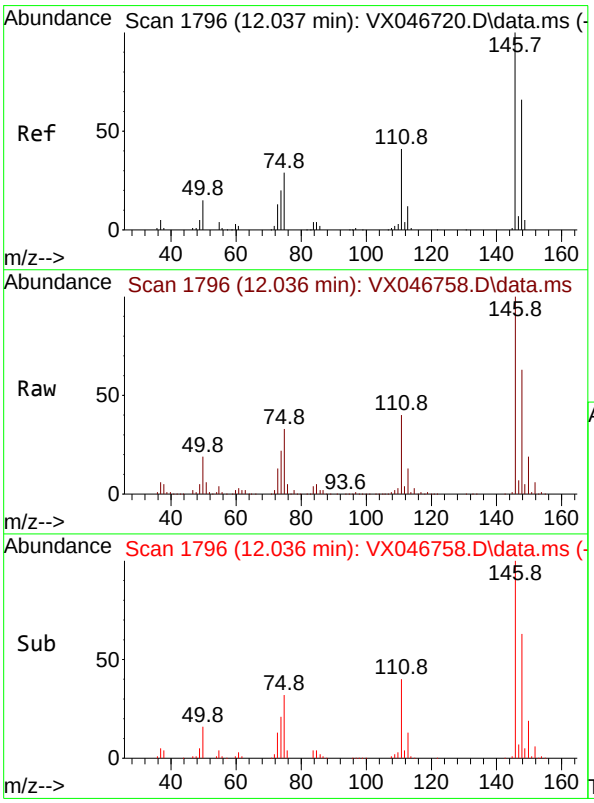

#87
1,3-Dichlorobenzene
Concen: 48.338 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 161807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 20.6 | 61.8 |
| 148 | 62.8 | 31.6 | 94.8 |

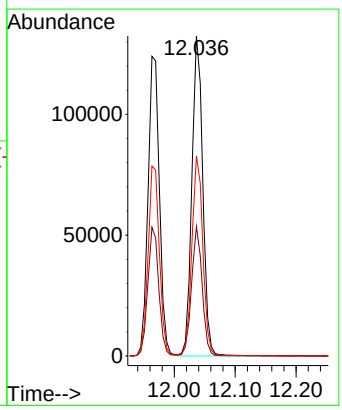


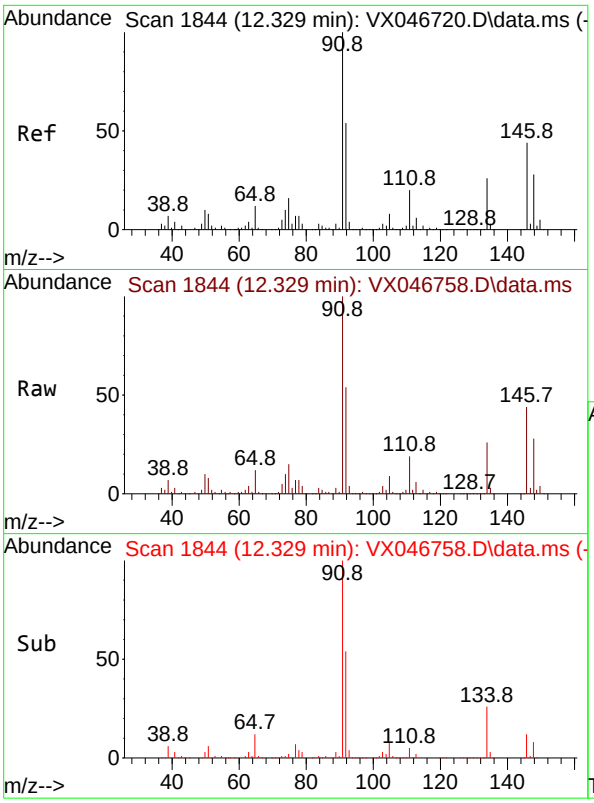




#88
1,4-Dichlorobenzene
Concen: 47.705 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:146 Resp: 164023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.3 | 61.0 |
| 148 | 62.4 | 32.1 | 96.5 |



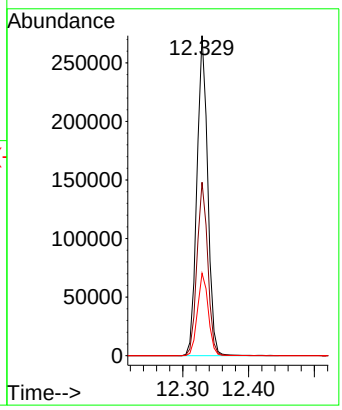


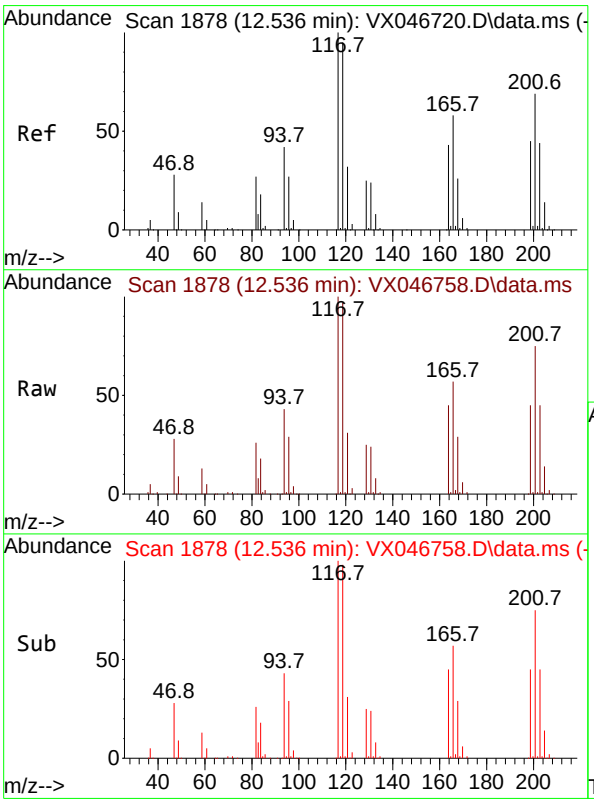

#89
n-Butylbenzene
Concen: 50.550 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 310154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.1 | 27.1 | 81.3 |
| 134 | 25.9 | 12.9 | 38.6 |

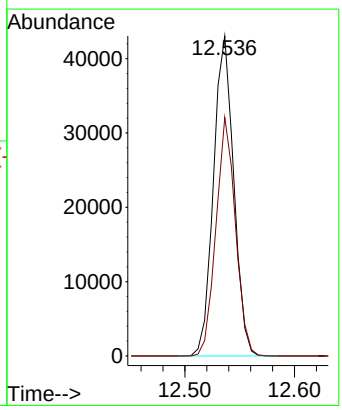


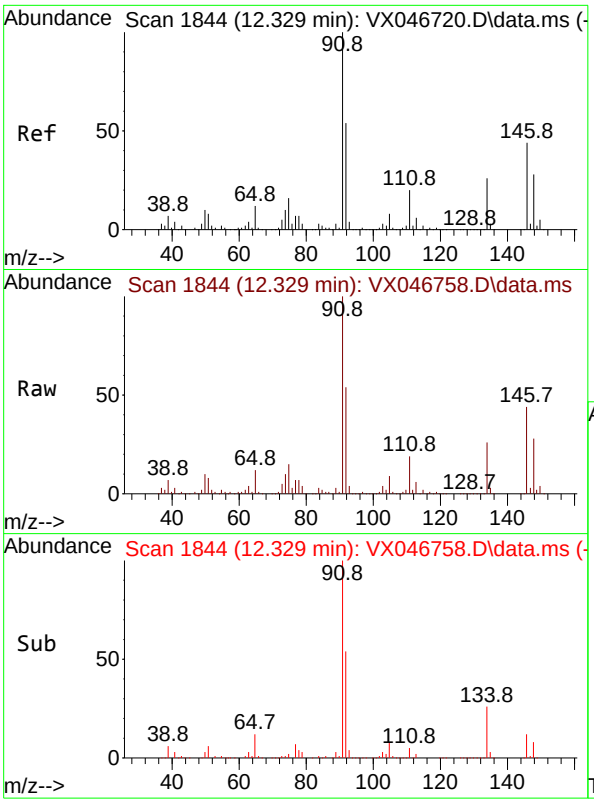




#90
Hexachloroethane
Concen: 48.837 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:117 Resp: 55264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 71.8 | 34.4 | 103.3 |



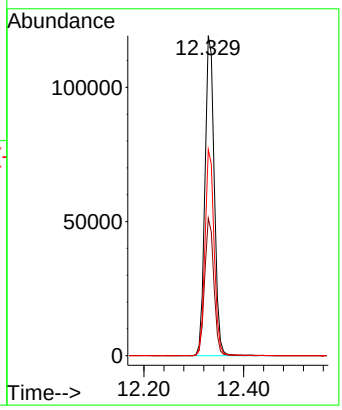


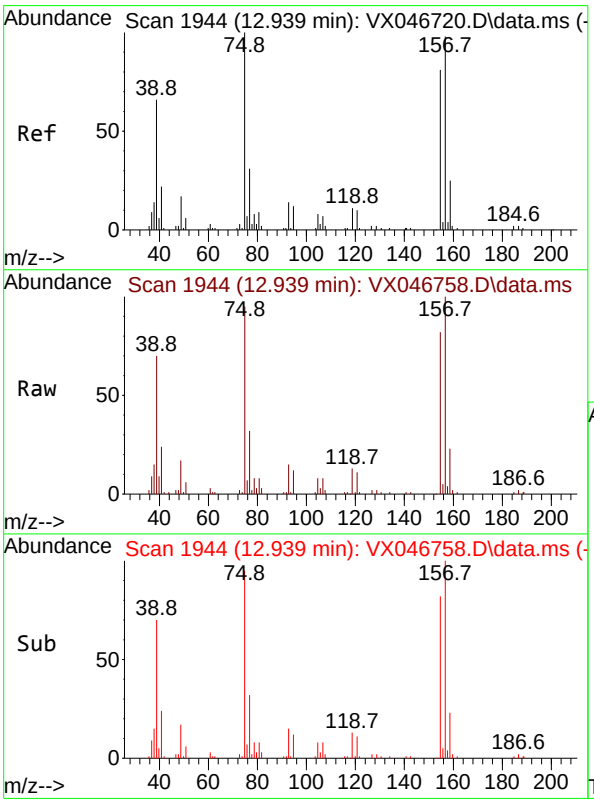

#91
1,2-Dichlorobenzene
Concen: 49.496 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 154832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.7 | 65.1 |
| 148 | 63.1 | 32.0 | 96.2 |

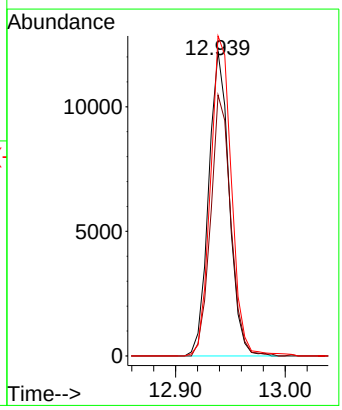


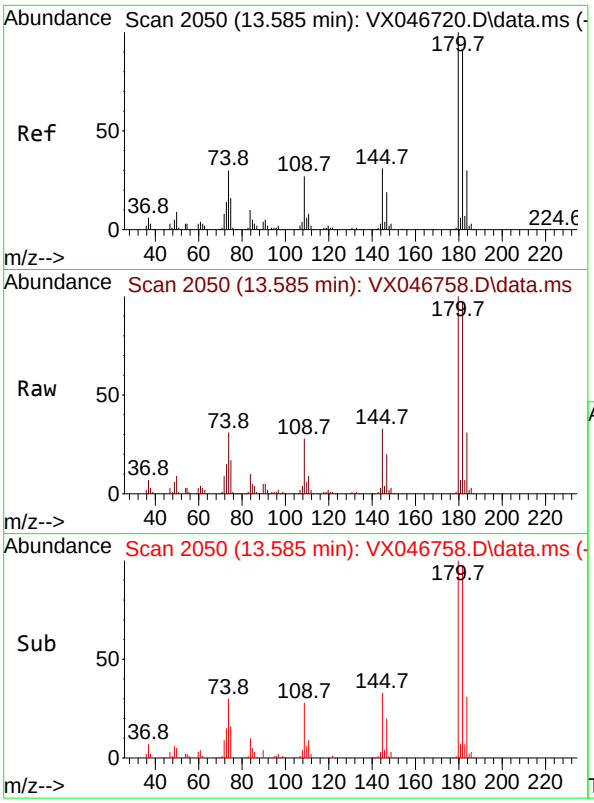




#92
1,2-Dibromo-3-Chloropropane
Concen: 40.348 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion: 75 Resp: 15868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 41.9 | 125.7 |
| 157 | 107.9 | 51.4 | 154.3 |



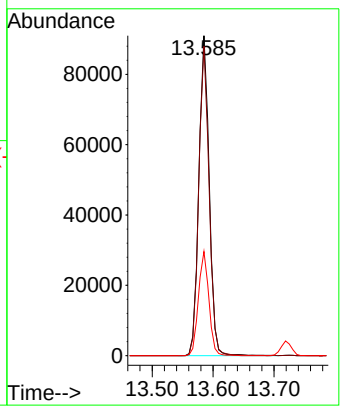


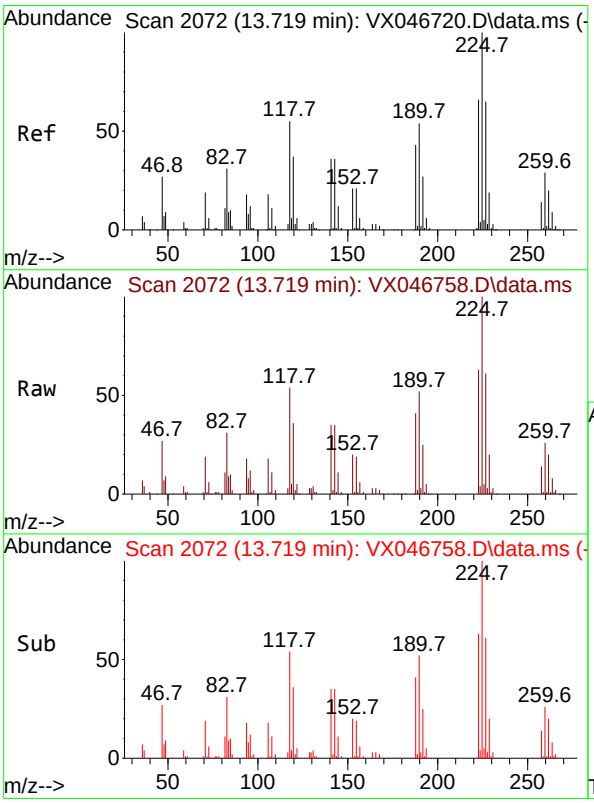

#93
1,2,4-Trichlorobenzene
Concen: 48.410 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 107660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 46.7 | 140.1 |
| 145 | 32.7 | 15.8 | 47.4 |

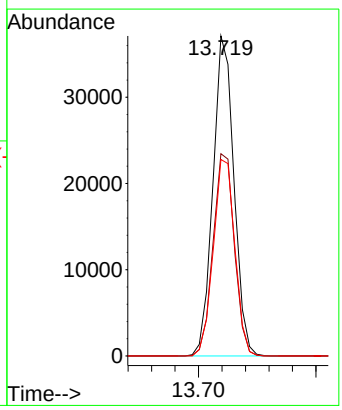


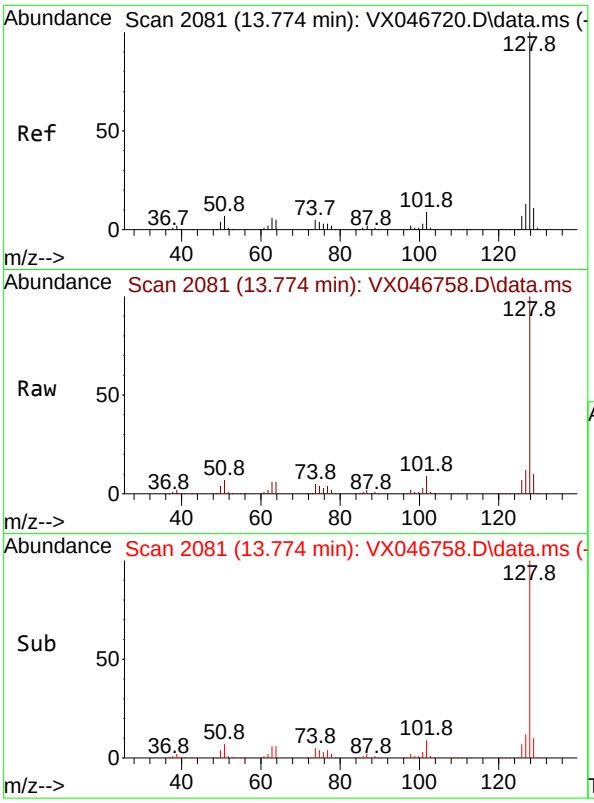




#94
Hexachlorobutadiene
Concen: 49.207 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:225 Resp: 46034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.5 | 97.5 |
| 227 | 63.2 | 32.2 | 96.6 |



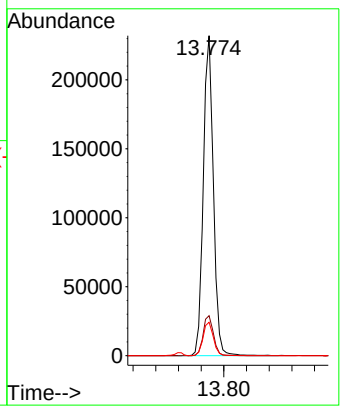


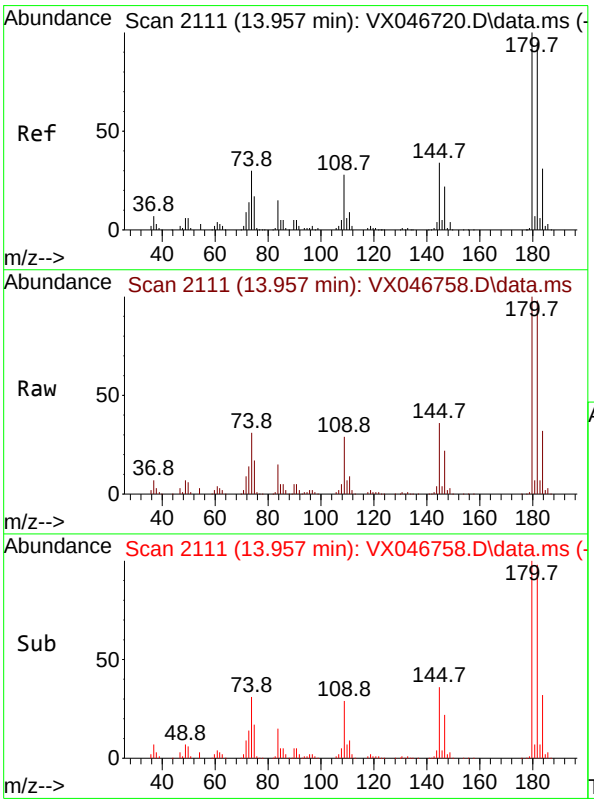

#95
Naphthalene
Concen: 45.216 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 286491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.1 | 15.1 |
| 129 | 10.7 | 8.7 | 13.1 |

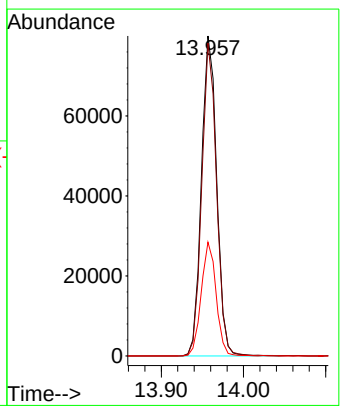



#96
1,2,3-Trichlorobenzene
Concen: 48.453 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046758.D
Acq: 19 Jun 2025 09:43

Tgt Ion:180 Resp: 103088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 47.8 | 143.4 |
| 145 | 34.7 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 137936 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 227140 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 207463 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104652 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 94946 | 49.765 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | | Recovery = 99.520% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 78196 | 52.032 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | | Recovery = 104.060% | | |
| 50) Toluene-d8 | 8.647 | 98 | 282602 | 52.340 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | | Recovery = 104.680% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 108869 | 54.092 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | | Recovery = 108.180% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 28069 | 19.060 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 29736 | 18.707 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 32033 | 18.898 | ug/l | 93 |
| 5) Bromomethane | 1.630 | 94 | 20191 | 21.172 | ug/l | 93 |
| 6) Chloroethane | 1.709 | 64 | 20468 | 19.923 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.910 | 101 | 47476 | 18.446 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 16252 | 18.400 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 29254 | 18.528 | ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 29614 | 18.018 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 10810 | 63.126 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 28292 | 18.570 | ug/l | 97 |
| 13) Acrolein | 2.251 | 56 | 18186 | 72.910 | ug/l | 98 |
| 14) Allyl chloride | 2.684 | 41 | 49324 | 17.868 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 62463 | 81.119 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 47143 | 74.096 | ug/l | 96 |
| 17) Carbon Disulfide | 2.532 | 76 | 78405 | 17.041 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 25862 | 16.004 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 80635 | 16.997 | ug/l | 98 |
| 20) Methylene Chloride | 2.806 | 84 | 32048 | 18.113 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 29757 | 18.253 | ug/l | 99 |
| 22) Diisopropyl ether | 3.769 | 45 | 100392 | 18.921 | ug/l | 94 |
| 23) Vinyl Acetate | 3.733 | 43 | 365712 | 86.676 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 55663 | 18.477 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 69661 | 77.416 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 39442 | 17.951 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 35547 | 18.560 | ug/l | 98 |
| 28) Bromochloromethane | 4.910 | 49 | 28430 | 20.816 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 44591 | 76.721 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 57187 | 18.982 | ug/l | 93 |
| 31) Cyclohexane | 5.483 | 56 | 53811 | 18.836 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 46675 | 17.665 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 40684 | 18.754 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 31829 | 15.895 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 42451 | 18.031 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 52931 | 18.541 | ug/l | 99 |
| 40) Benzene | 6.050 | 78 | 121111 | 18.864 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 17227 | 16.137 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 41780 | 18.518 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.348 | 43 | 51032 | 16.286 | ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 30093 | 18.392 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 29323 | 18.429 | ug/l | | 95 |
| 46) Dibromomethane | 7.592 | 93 | 20791 | 18.181 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 44034 | 18.870 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 25618 | 16.301 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 6374 | 299.149 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 152568 | 81.636 | ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 75814 | 19.048 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 38942 | 17.985 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 44663 | 18.171 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 27505 | 18.544 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 37095 | 16.942 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 47213 | 18.484 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 101869 | 89.565 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 101986 | 78.935 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 32154 | 18.395 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 27221 | 18.042 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 25376 | 17.655 | ug/l | | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 82392 | 17.991 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 27463 | 17.843 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 144047 | 18.002 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 111044 | 37.244 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 51894 | 18.572 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 89289 | 18.260 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 19576 | 16.701 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 139510 | 18.100 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 46412 | 15.893 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 37312 | 17.337 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 36095 | 18.832 | ug/l | | 98 |
| 77) Bromobenzene | 11.195 | 156 | 33896 | 18.275 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 168589 | 18.415 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 99687 | 18.238 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 115409 | 18.221 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 10102 | 14.897 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 116713 | 18.296 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 118027 | 18.027 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 116817 | 18.357 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 153043 | 18.496 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 127841 | 18.312 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 64330 | 17.788 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 64856 | 17.460 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 118756 | 17.915 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 20652 | 16.893 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 61156 | 18.096 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 6425 | 15.122 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 41109 | 17.110 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 17833 | 17.644 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 110507 | 16.144 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 40546 | 17.639 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

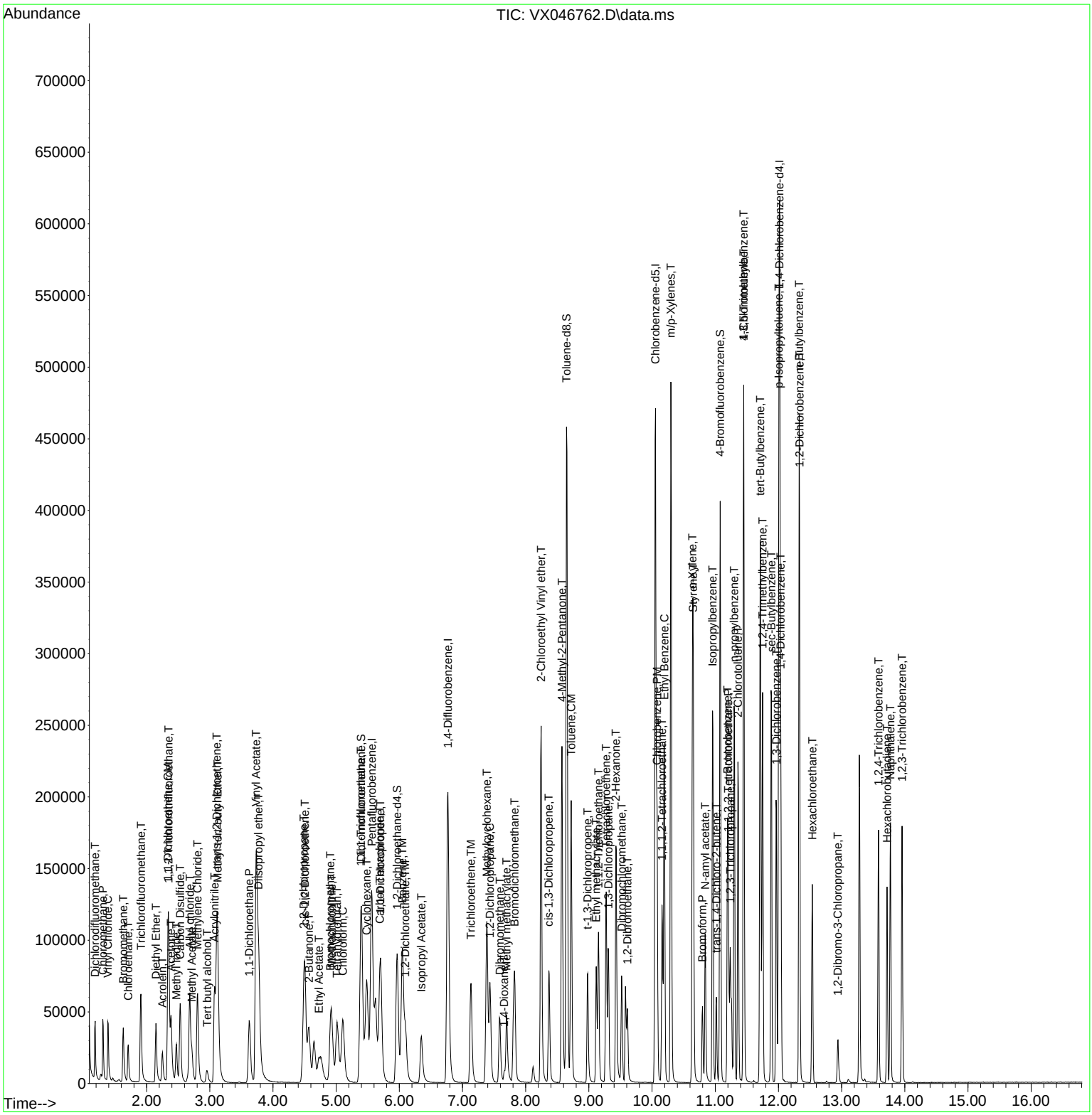
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

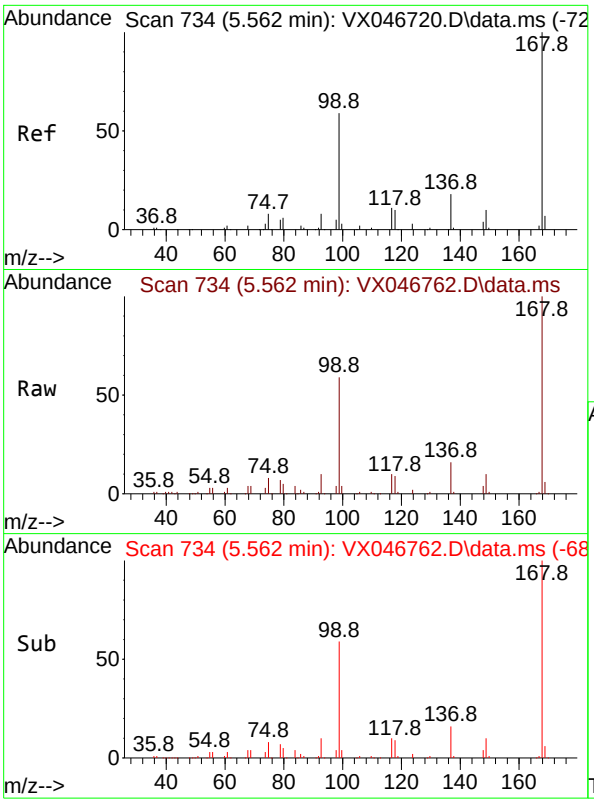
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046762.D
Acq On : 19 Jun 2025 11:24
Operator : JC/MD
Sample : VX0619WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Quant Time: Jun 20 05:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



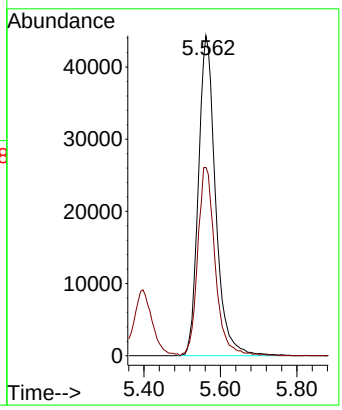


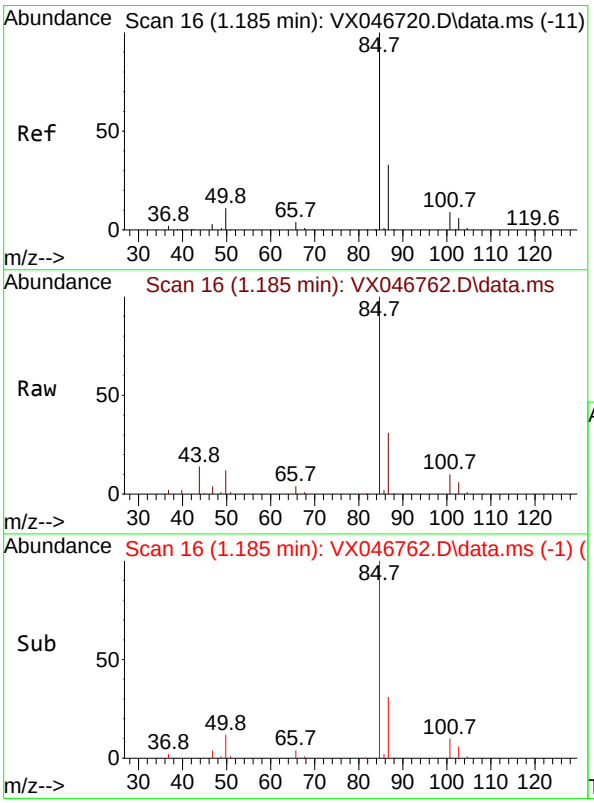

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:168 Resp: 137936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.9 | 48.5 | 72.7 |

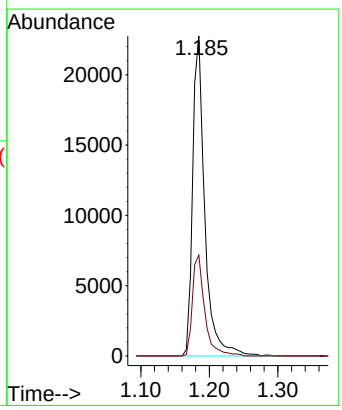


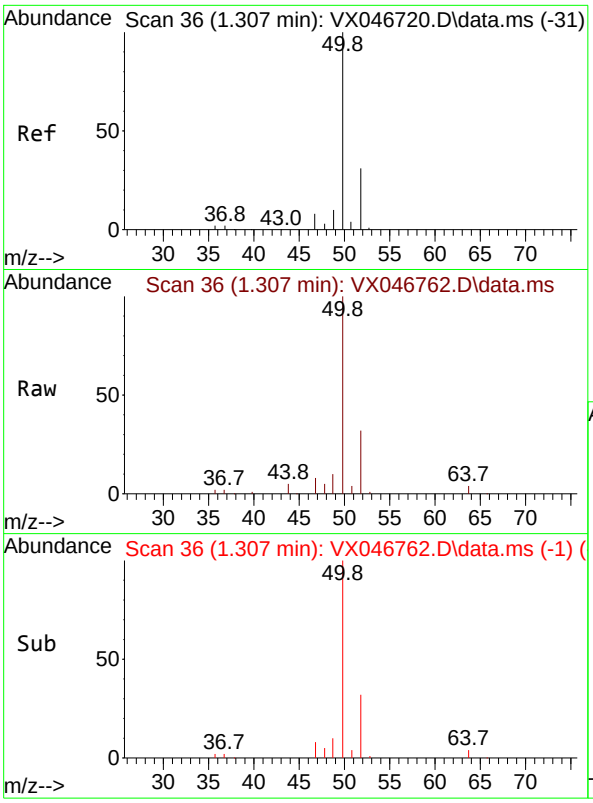




#2
Dichlorodifluoromethane
Concen: 19.060 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 85 Resp: 28069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 16.6 | 49.8 |



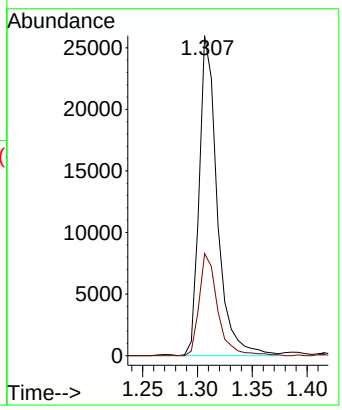


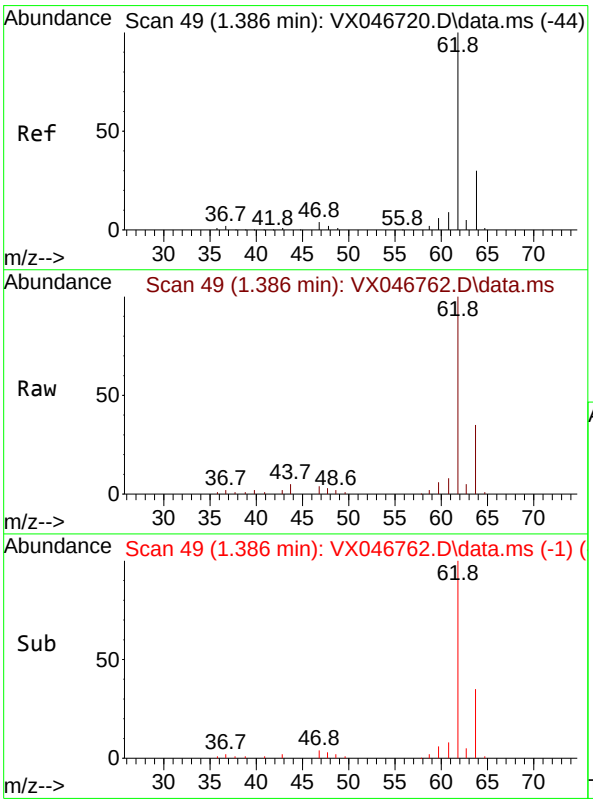

#3
Chloromethane
Concen: 18.707 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 50 Resp: 29736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 24.9 | 37.3 |

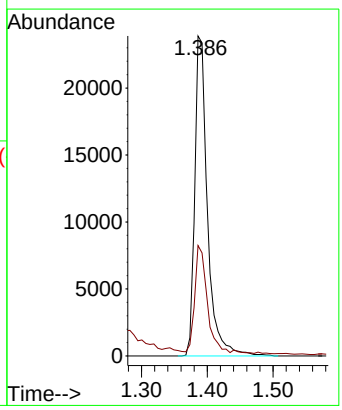


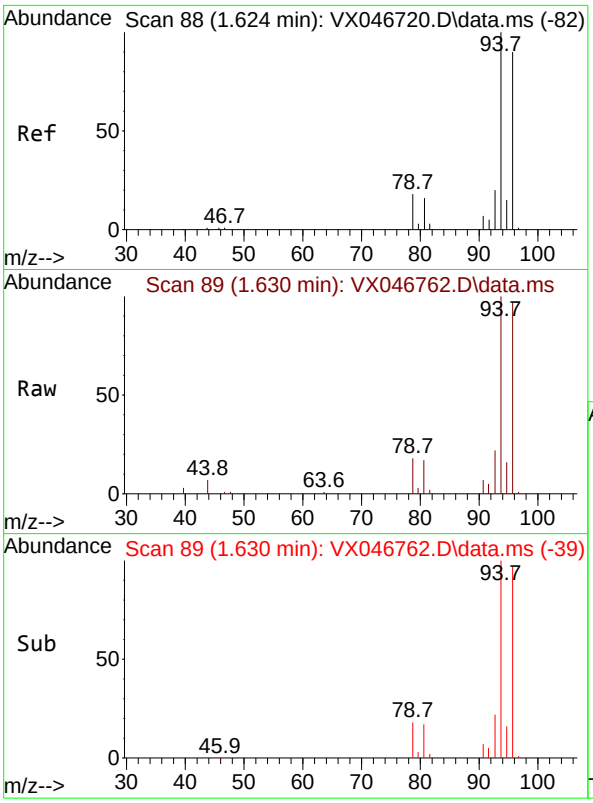




#4
Vinyl Chloride
Concen: 18.898 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 62 Resp: 32033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.8 | 23.9 | 35.9 |



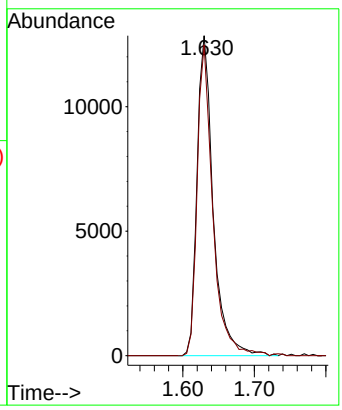


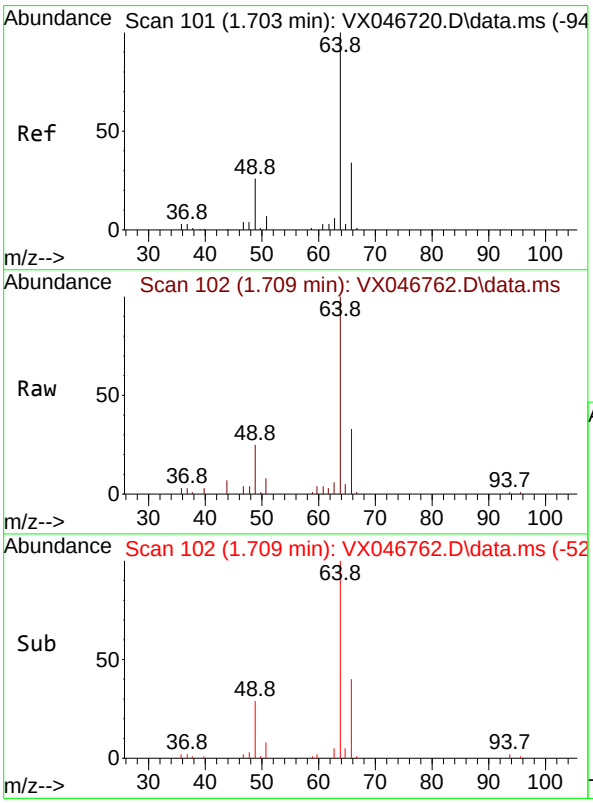

#5
Bromomethane
Concen: 21.172 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 94 Resp: 20191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.2 | 72.3 | 108.5 |

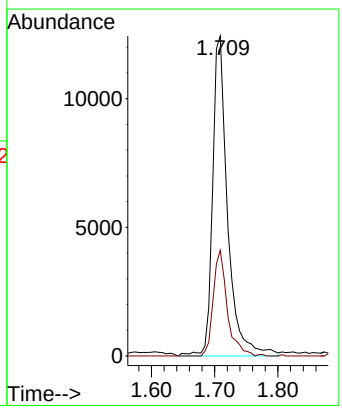


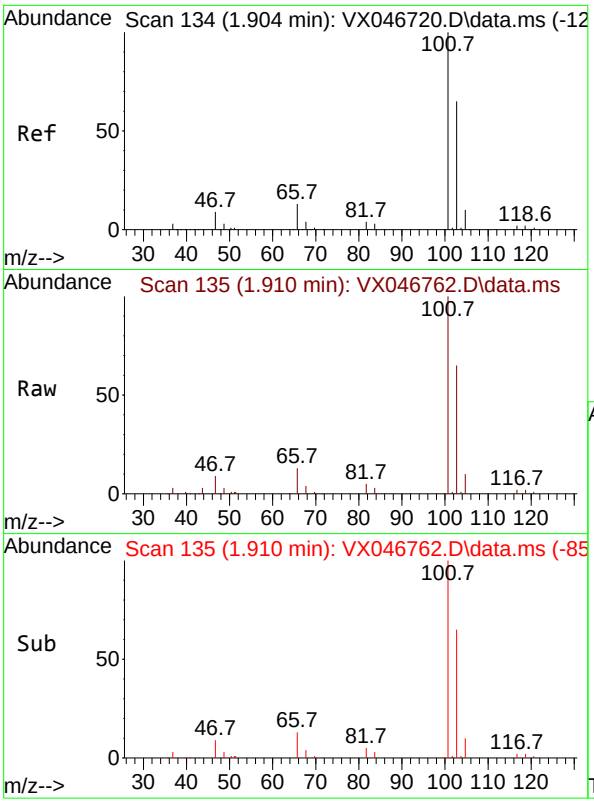




#6
Chloroethane
Concen: 19.923 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 64 Resp: 20468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.0 | 27.1 | 40.7 |



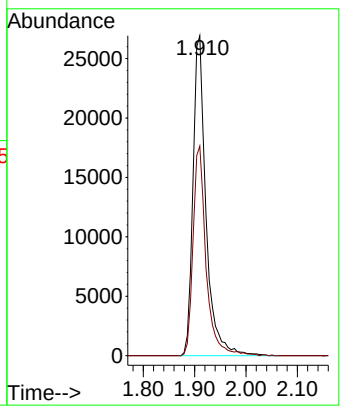


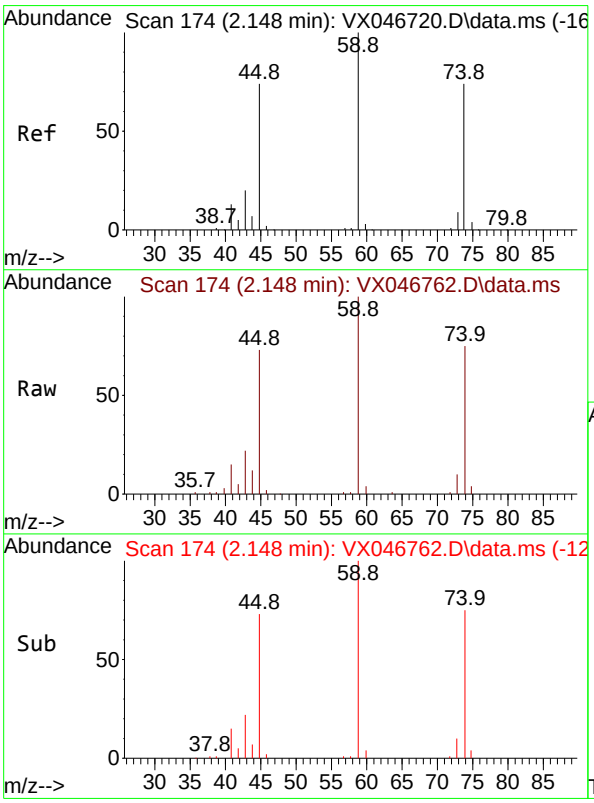

#7
Trichlorofluoromethane
Concen: 18.446 ug/l
RT: 1.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:101 Resp: 47476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.8 | 77.8 |

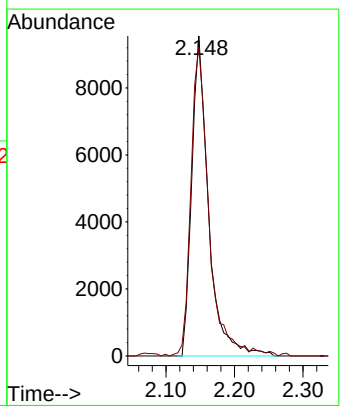


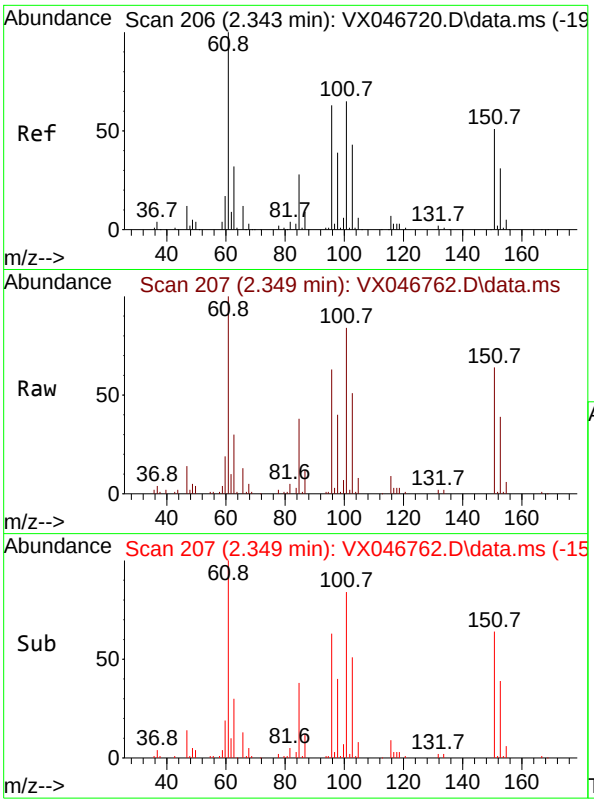




#8
Diethyl Ether
Concen: 18.400 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 74 Resp: 16252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.0 | 52.3 | 157.1 |



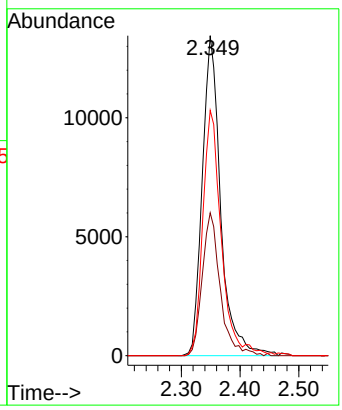


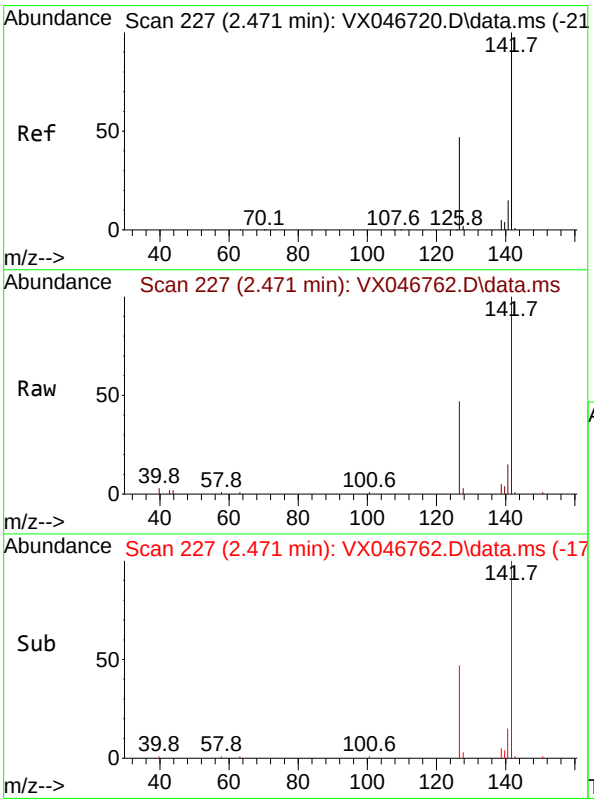

#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.528 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:101 Resp: 29254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.4 | 53.0 |
| 151 | 76.9 | 61.2 | 91.8 |

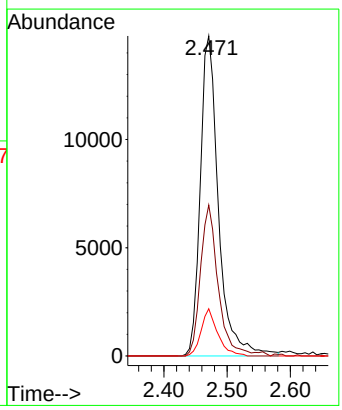


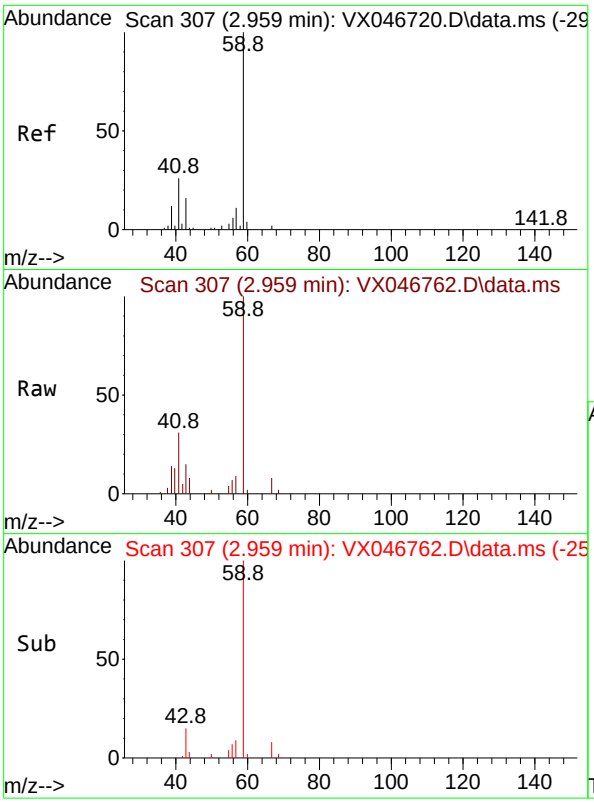




#10
Methyl Iodide
Concen: 18.018 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:142 Resp: 29614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.8 | 37.0 | 55.6 |
| 141 | 13.4 | 11.5 | 17.3 |



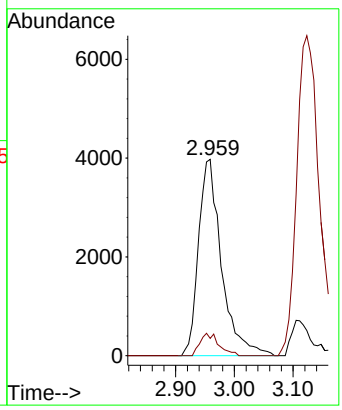


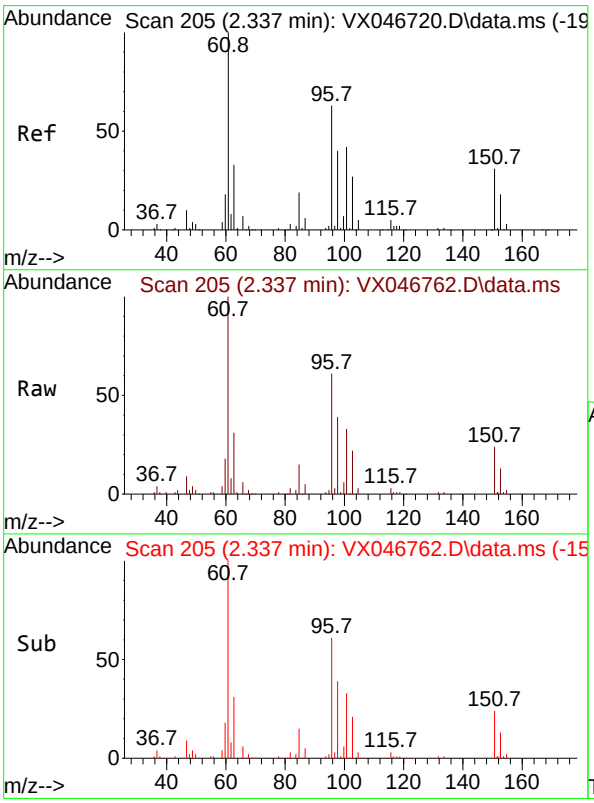

#11
Tert butyl alcohol
Concen: 63.126 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 59 Resp: 10810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.3 | 8.3 | 12.5 |

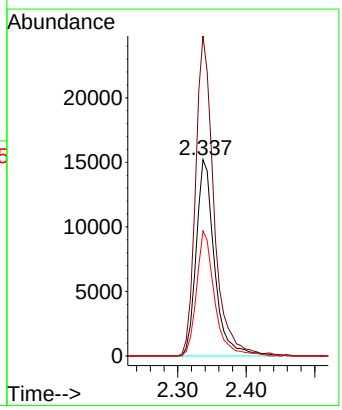


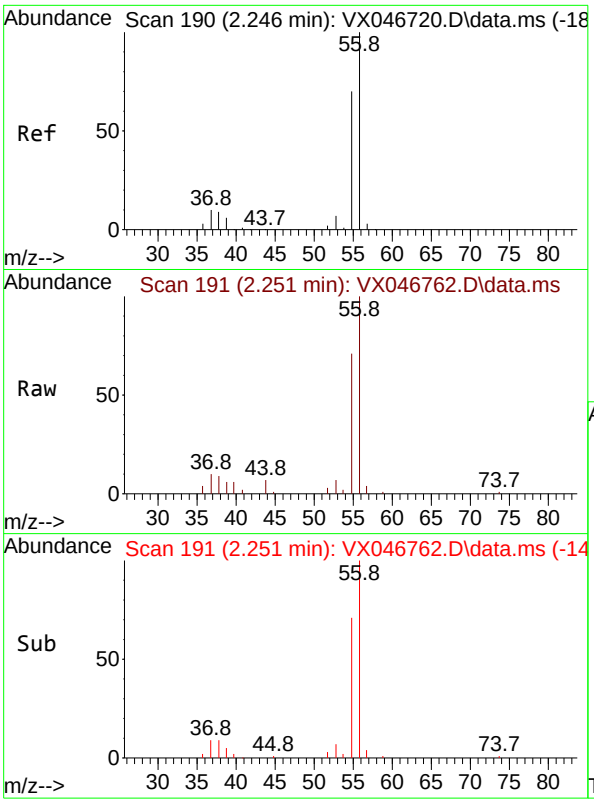




#12
1,1-Dichloroethene
Concen: 18.570 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 96 Resp: 28292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.0 | 126.6 | 189.8 |
| 98 | 63.7 | 50.7 | 76.1 |



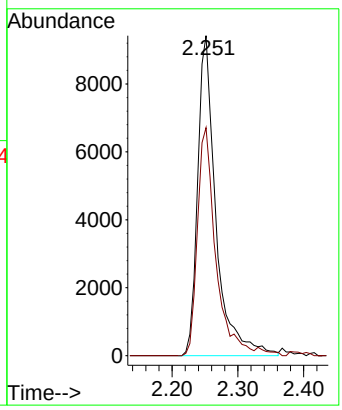


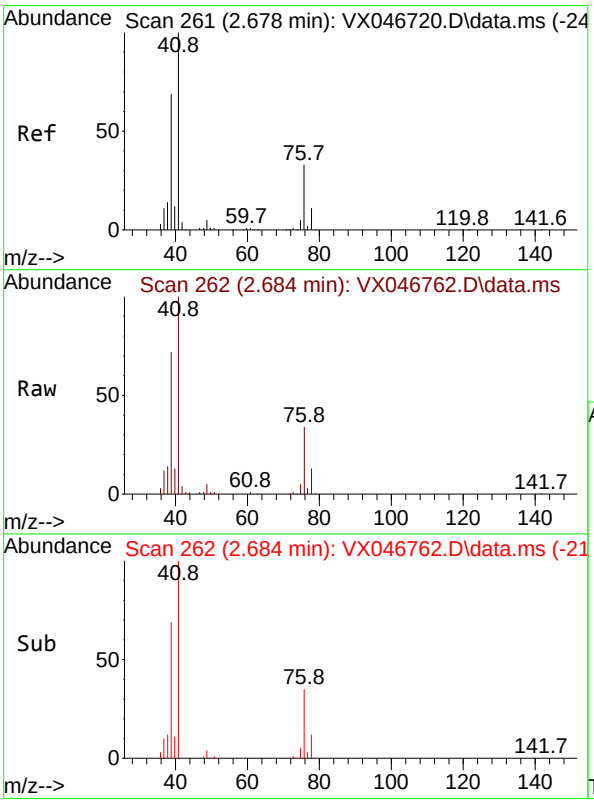

#13
Acrolein
Concen: 72.910 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 56 Resp: 18186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 55.2 | 82.8 |

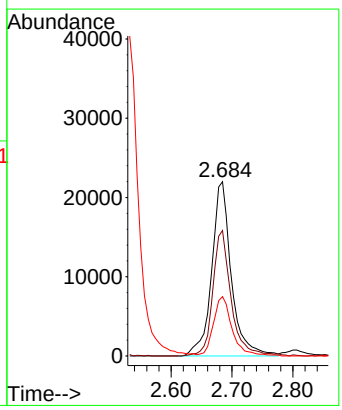


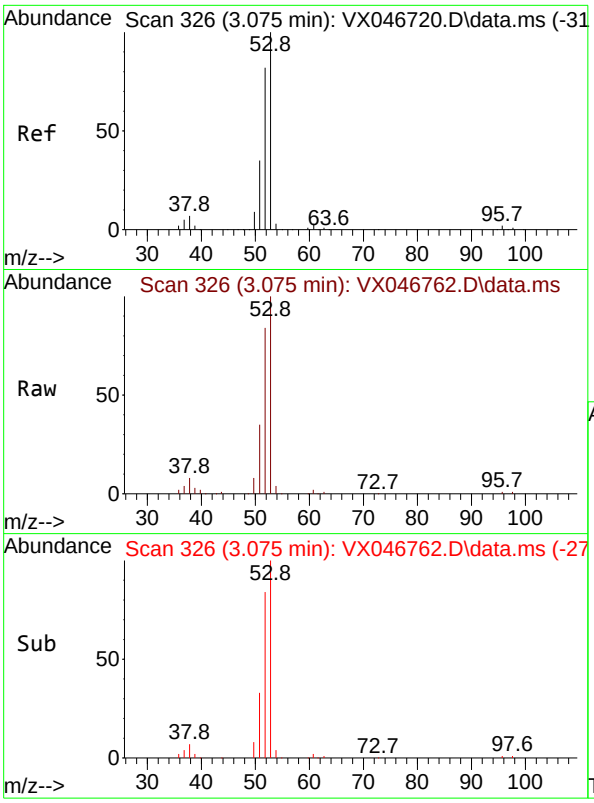




#14
Allyl chloride
Concen: 17.868 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 41 Resp: 49324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 53.6 | 80.4 |
| 76 | 32.3 | 26.8 | 40.2 |



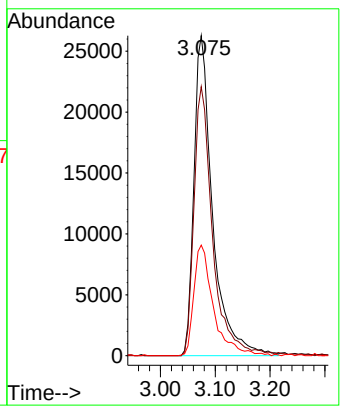


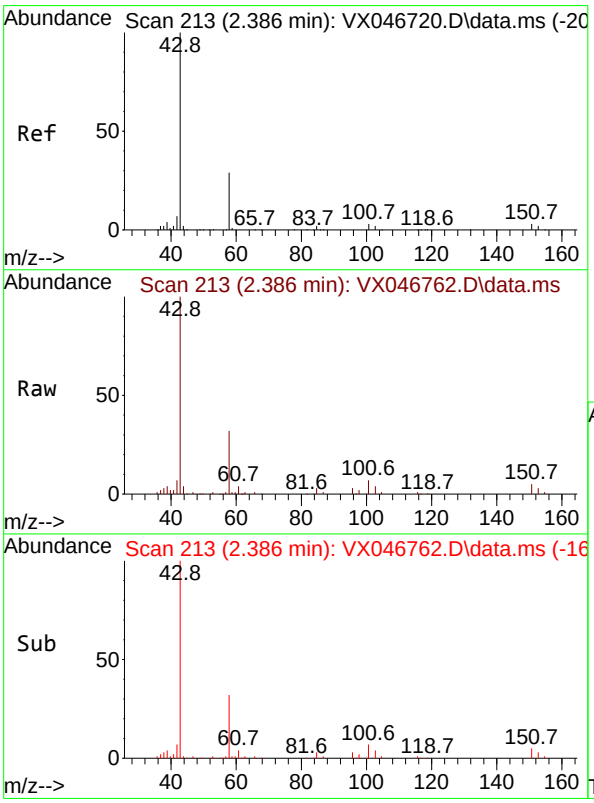

#15
Acrylonitrile
Concen: 81.119 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 53 Resp: 62463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.7 | 65.1 | 97.7 |
| 51 | 36.4 | 28.9 | 43.3 |

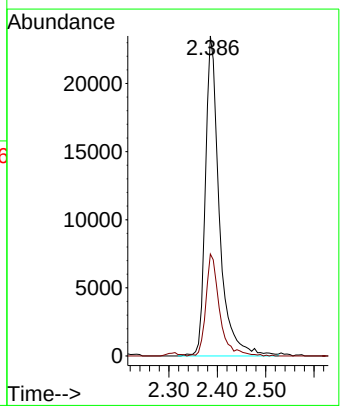


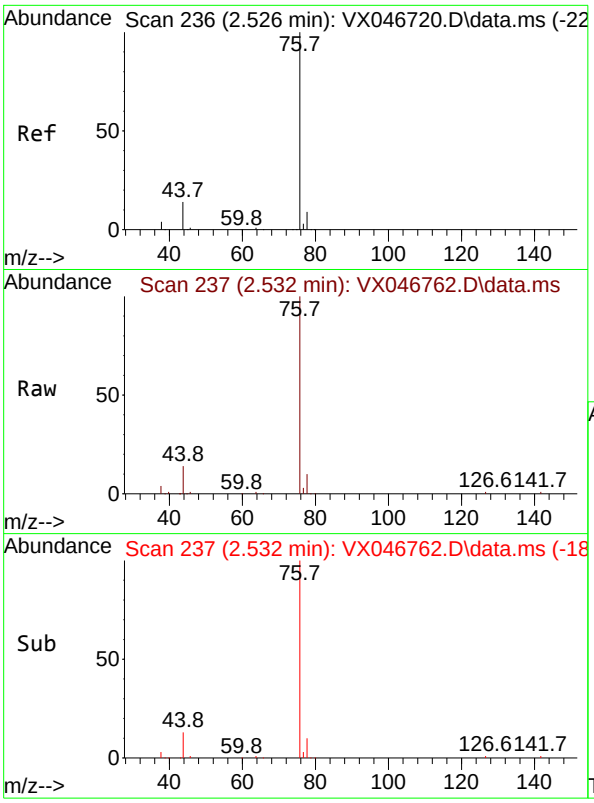




#16
Acetone
Concen: 74.096 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 47143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 24.5 | 36.7 |



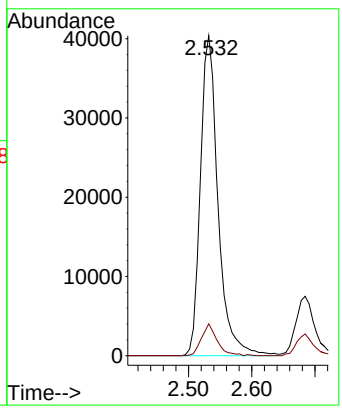


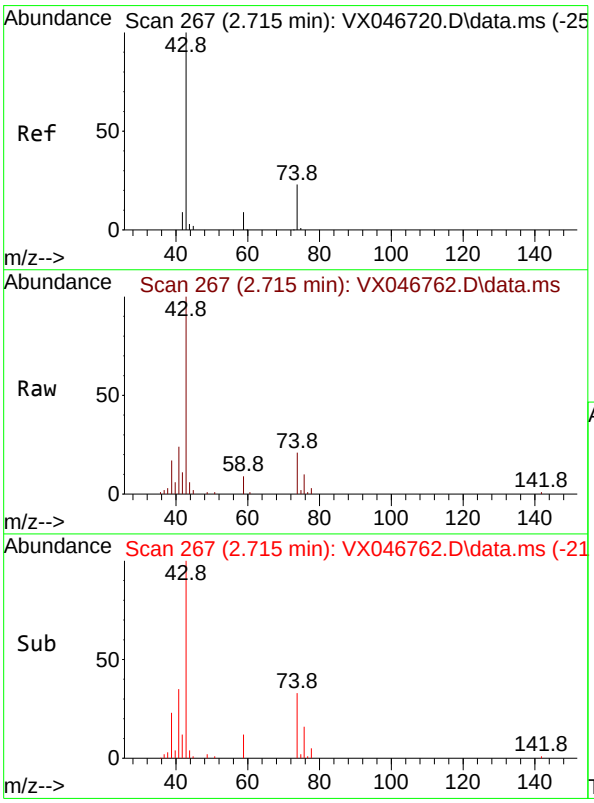

#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 76 Resp: 78405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.2 | 7.5 | 11.3 |

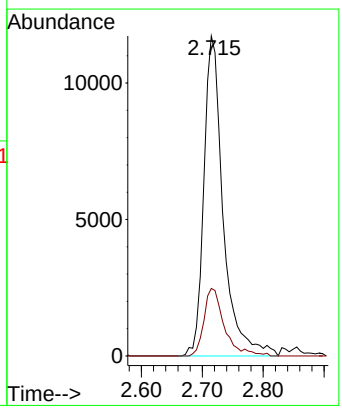


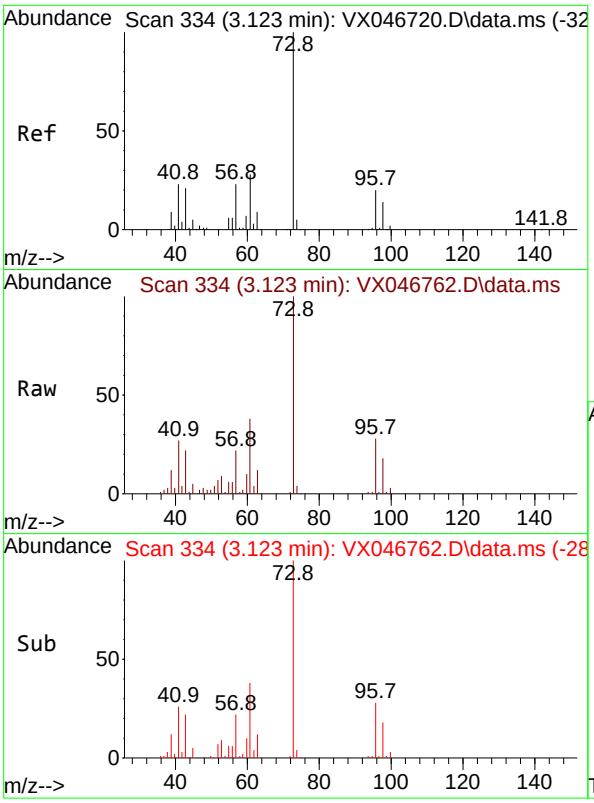




#18
Methyl Acetate
Concen: 16.004 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 25862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 18.4 | 27.6 |



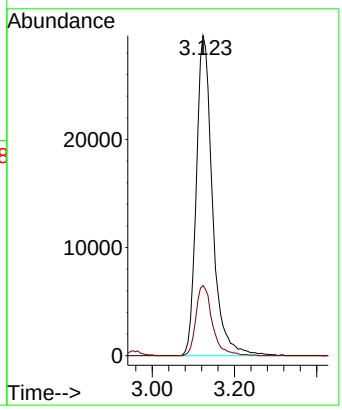


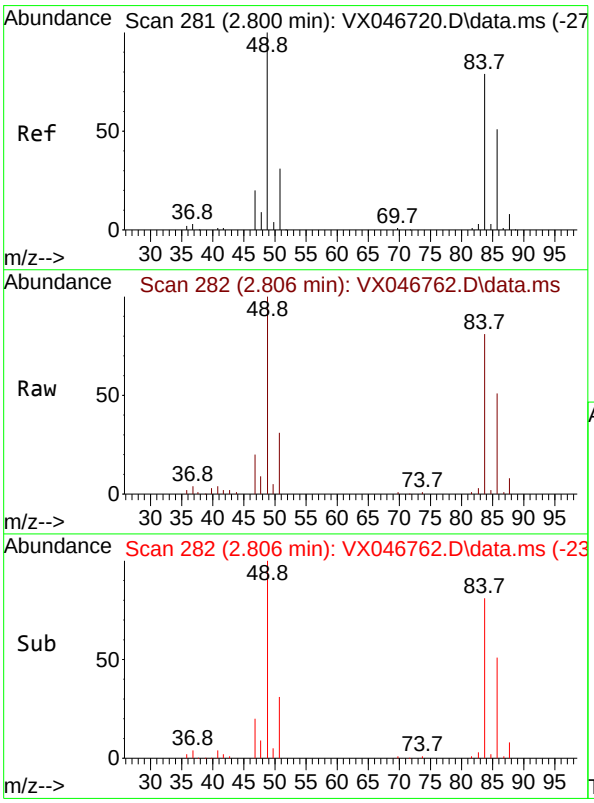

#19
Methyl tert-butyl Ether
Concen: 16.997 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 73 Resp: 80635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 18.2 | 27.2 |

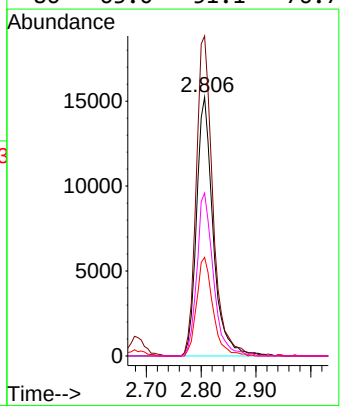


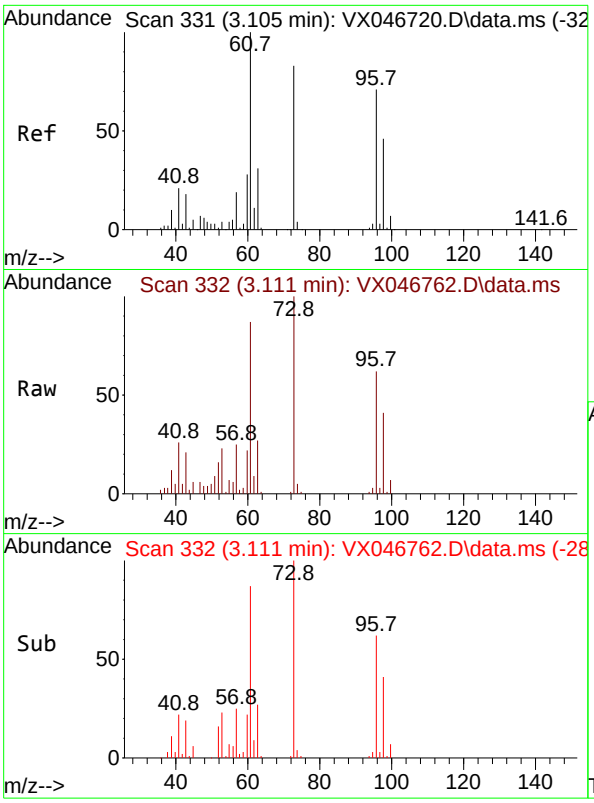




#20
Methylene Chloride
Concen: 18.113 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 84 Resp: 32048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.7 | 101.3 | 151.9 |
| 51 | 38.1 | 31.0 | 46.6 |
| 86 | 63.0 | 51.1 | 76.7 |



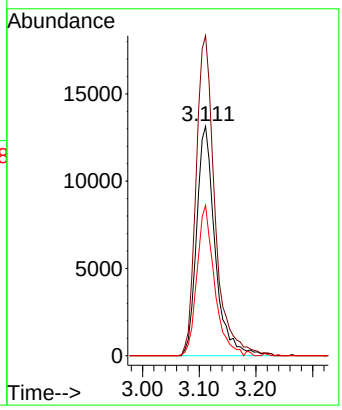


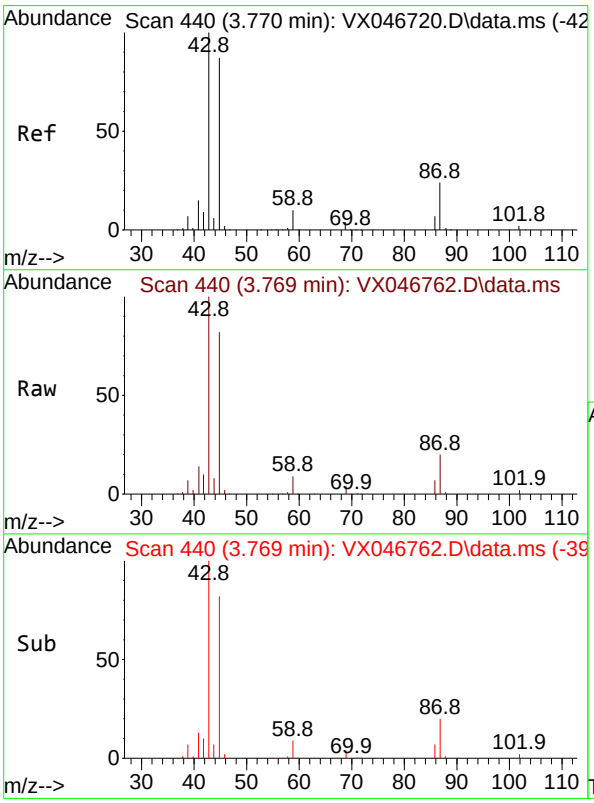

#21
trans-1,2-Dichloroethene
Concen: 18.253 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 96 Resp: 29757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.5 | 112.5 | 168.7 |
| 98 | 65.5 | 51.9 | 77.9 |

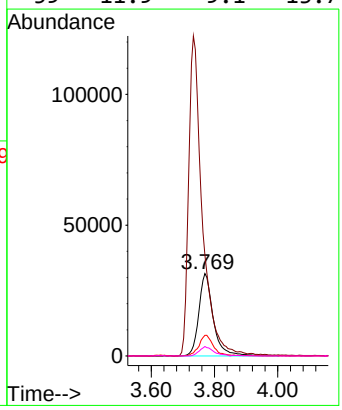


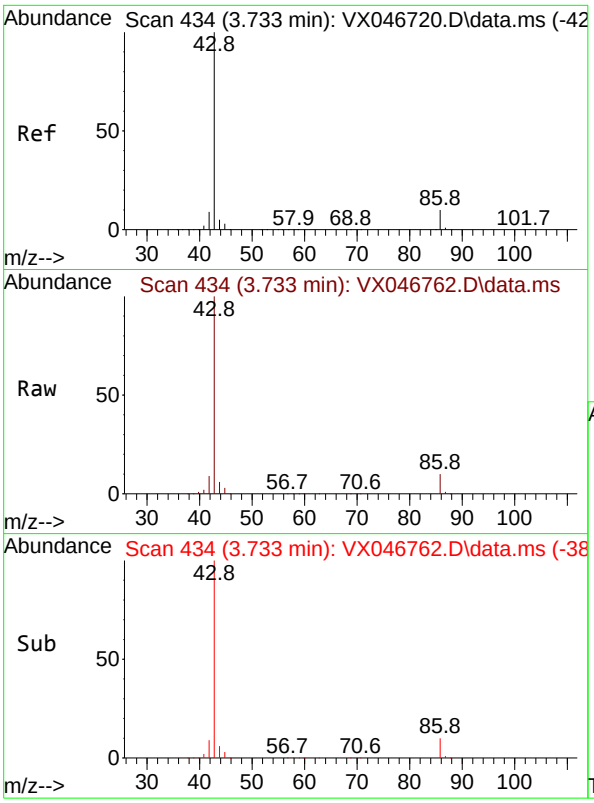




#22
Diisopropyl ether
Concen: 18.921 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 45 Resp: 100392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 121.9 | 91.9 | 137.9 |
| 87 | 25.0 | 22.0 | 33.0 |
| 59 | 11.9 | 9.1 | 13.7 |



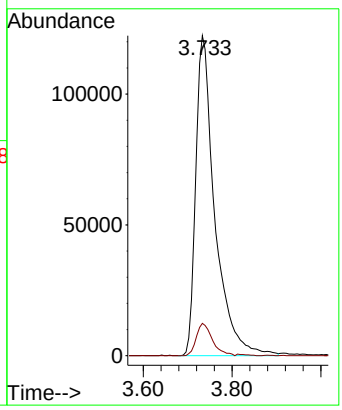


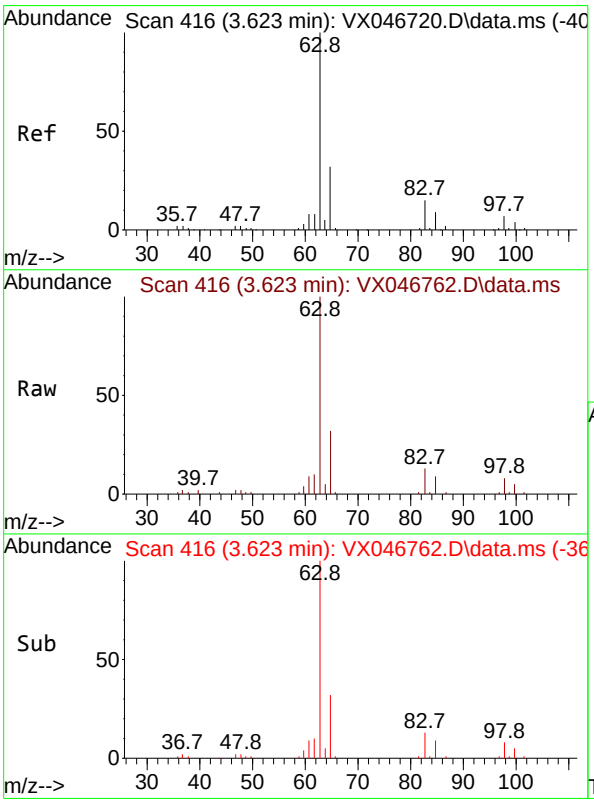

#23
Vinyl Acetate
Concen: 86.676 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 365712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.2 | 12.2 |

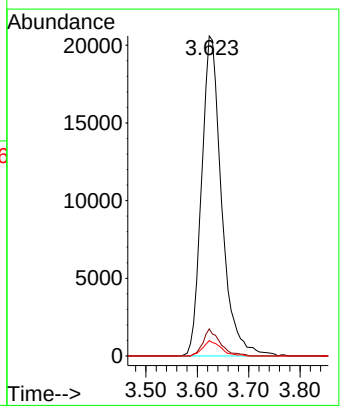


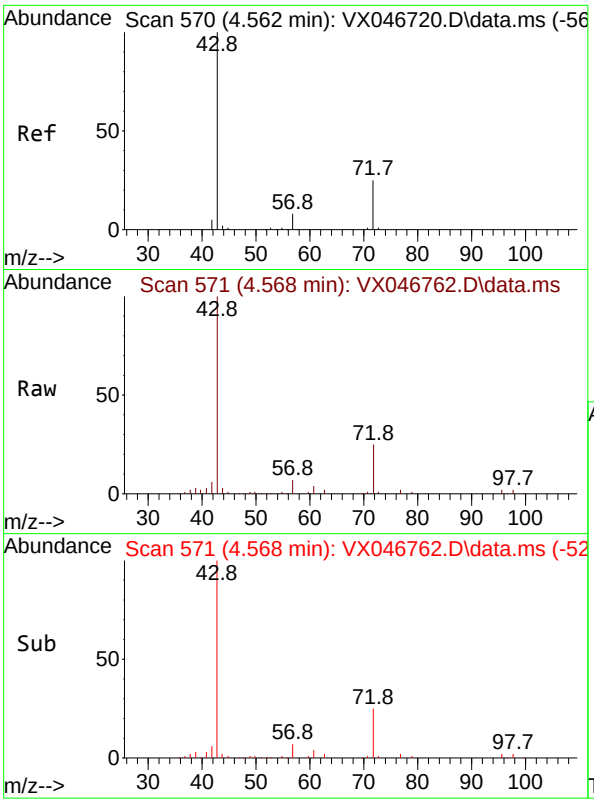




#24
1,1-Dichloroethane
Concen: 18.477 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 63 Resp: 55663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.5 | 4.0 | 11.9 |
| 100 | 4.8 | 2.2 | 6.6 |



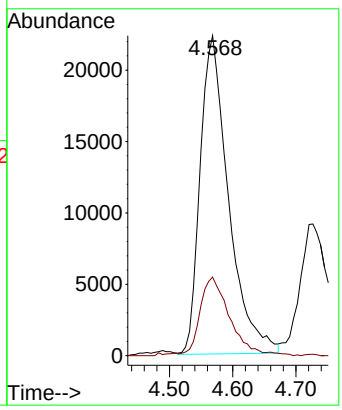


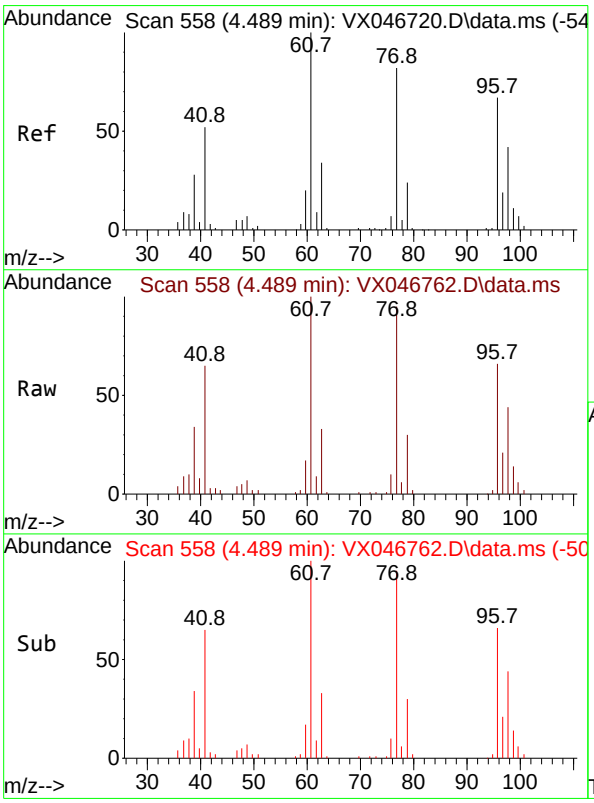

#25
2-Butanone
Concen: 77.416 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 69661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.4 |

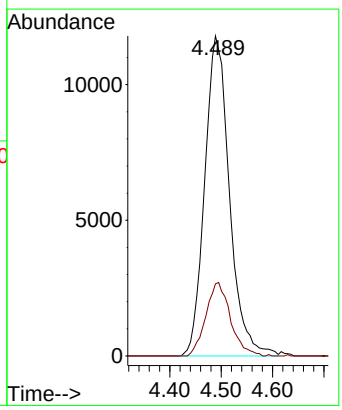


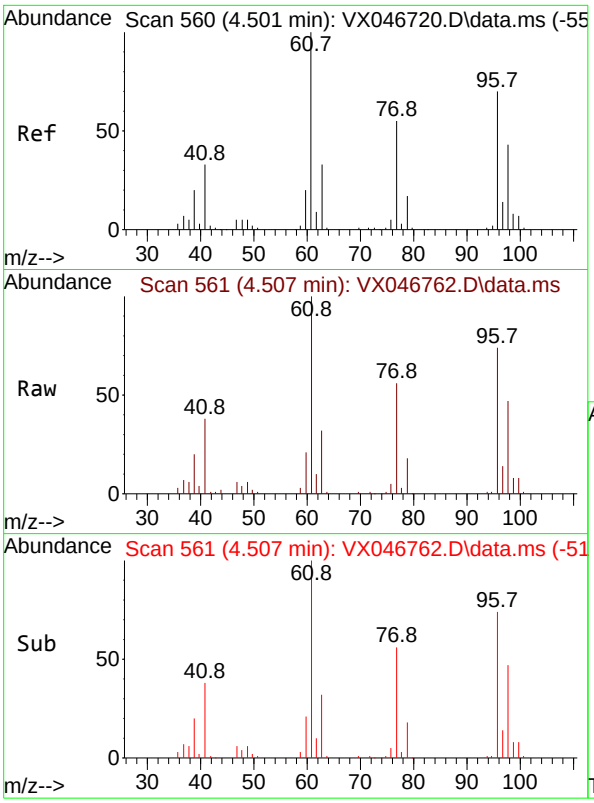




#26
2,2-Dichloropropane
Concen: 17.951 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 77 Resp: 39442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.8 | 11.8 | 35.3 |



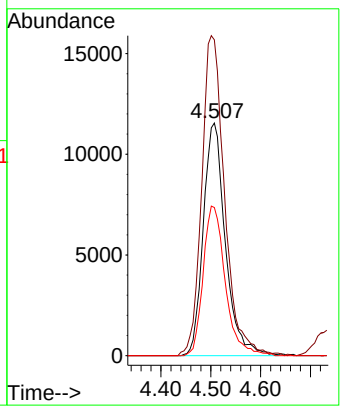


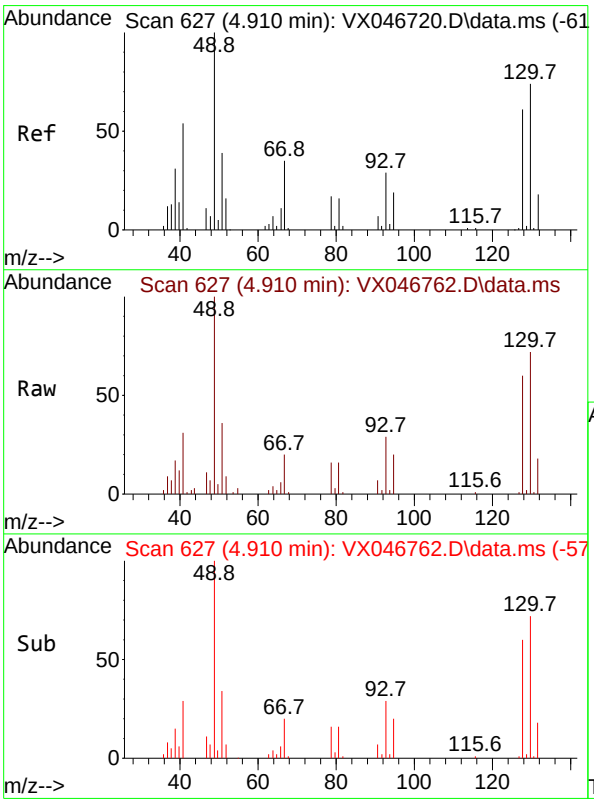

#27
cis-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 96 Resp: 35547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.4 | 0.0 | 291.0 |
| 98 | 64.5 | 0.0 | 126.8 |

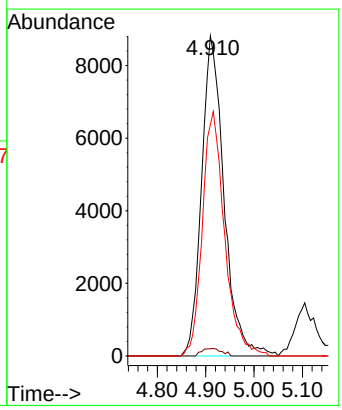


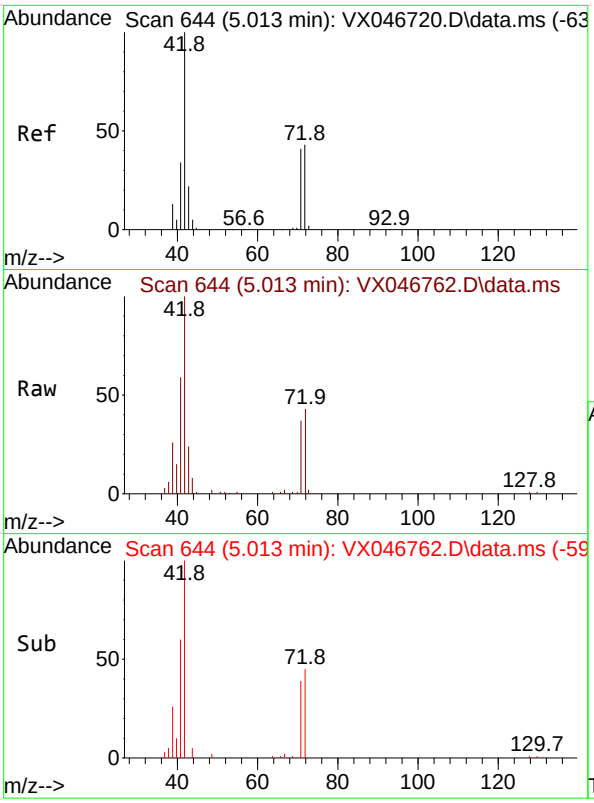




#28
Bromochloromethane
Concen: 20.816 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 49 Resp: 28430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 3.8 |
| 130 | 75.5 | 61.4 | 92.0 |



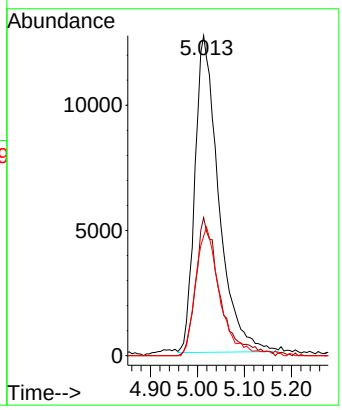


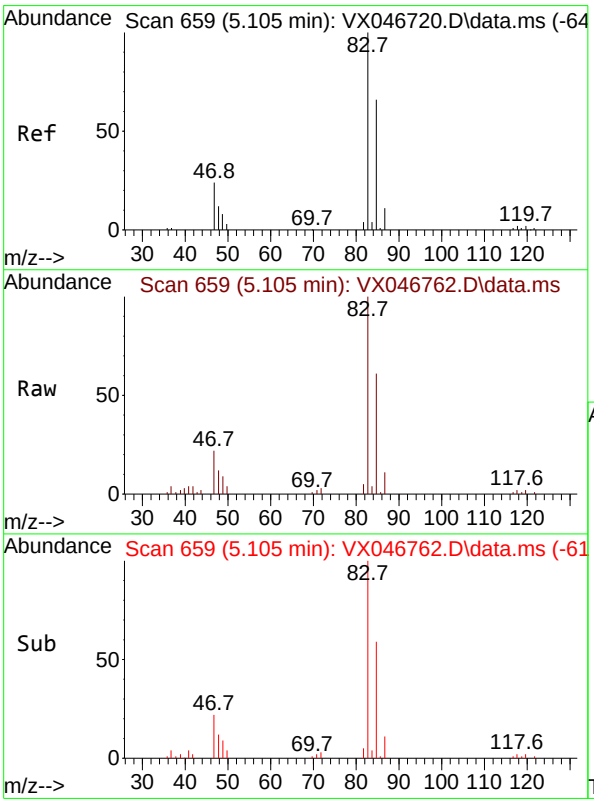

#29
Tetrahydrofuran
Concen: 76.721 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 42 Resp: 44591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 34.9 | 52.3 |
| 71 | 41.1 | 32.2 | 48.2 |

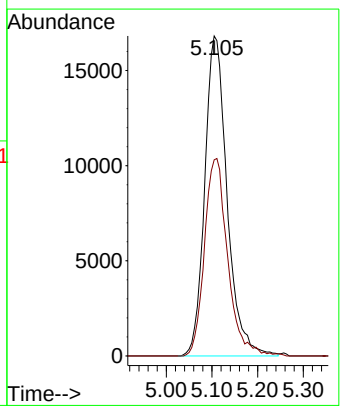


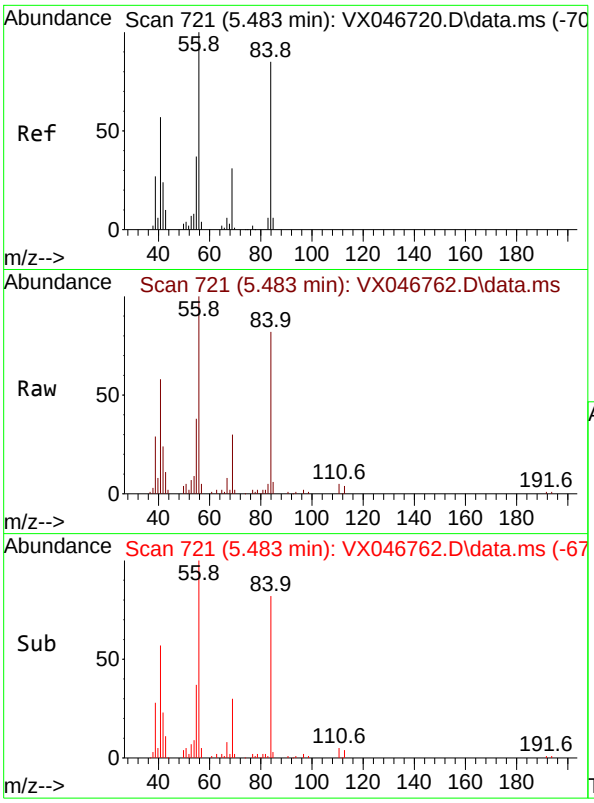




#30
Chloroform
Concen: 18.982 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 83 Resp: 57187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.3 | 53.7 | 80.5 |



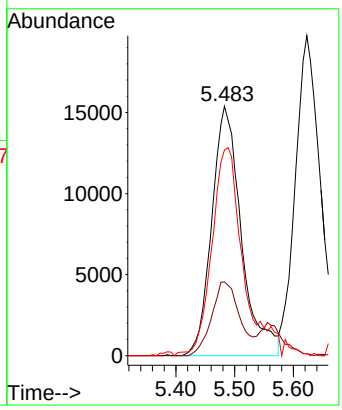


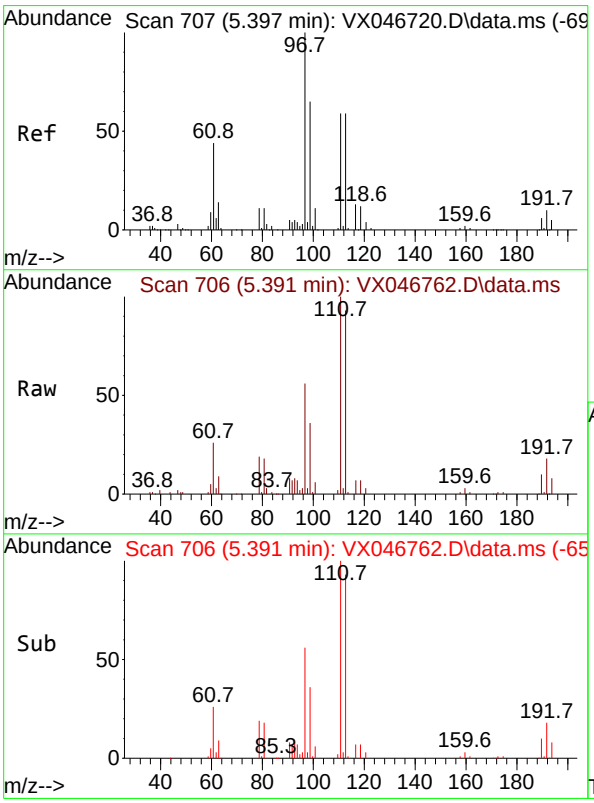

#31
Cyclohexane
Concen: 18.836 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 56 Resp: 53811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 24.8 | 37.2 |
| 84 | 81.2 | 68.2 | 102.2 |

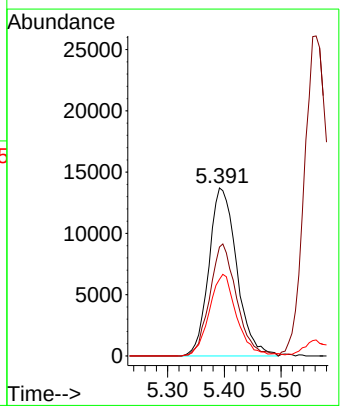


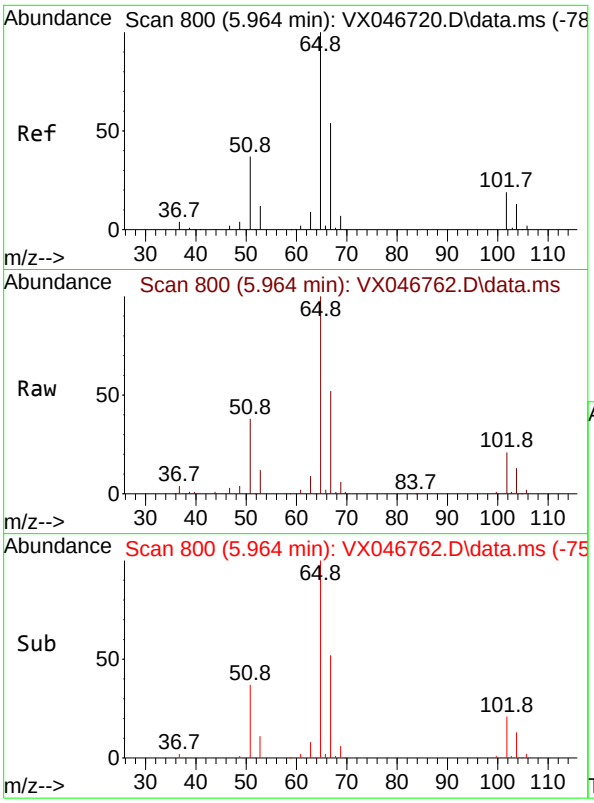




#32
1,1,1-Trichloroethane
Concen: 17.665 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 97 Resp: 46675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.3 | 76.9 |
| 61 | 47.4 | 36.4 | 54.6 |



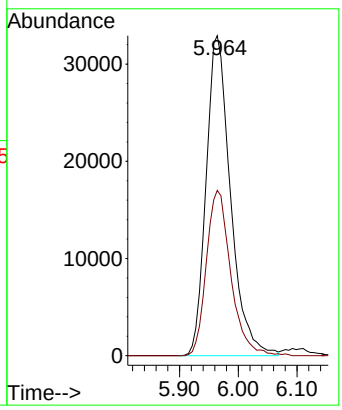


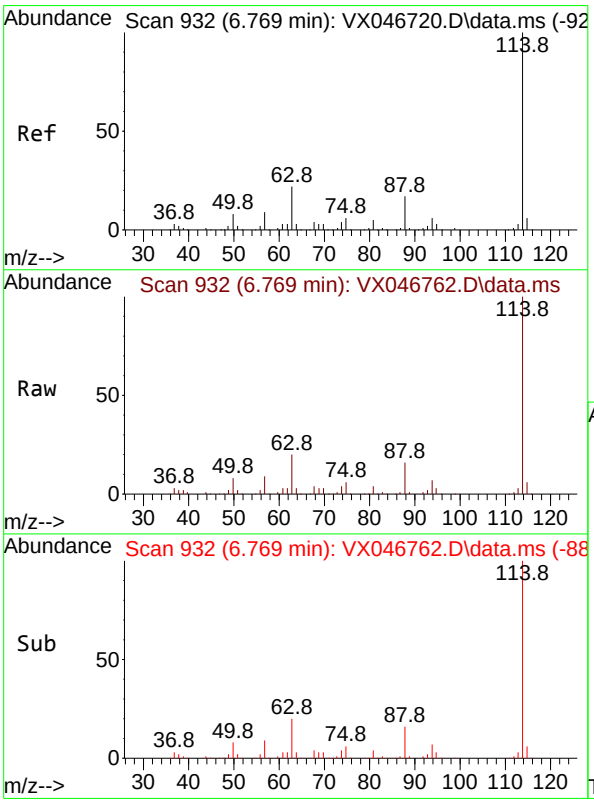

#33
1,2-Dichloroethane-d4
Concen: 49.765 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 65 Resp: 94946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.4 |

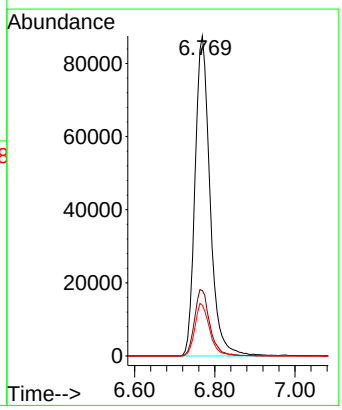


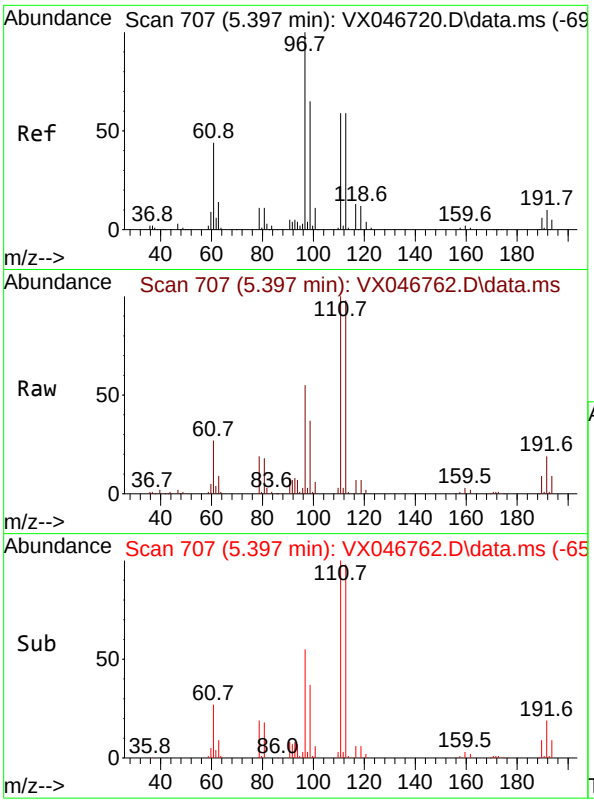




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:114 Resp: 227140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |



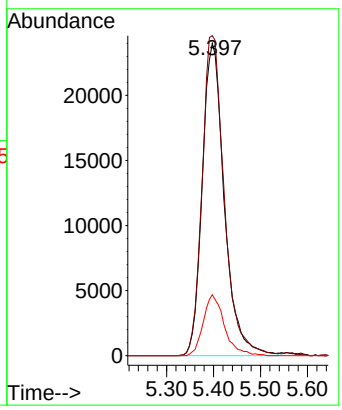


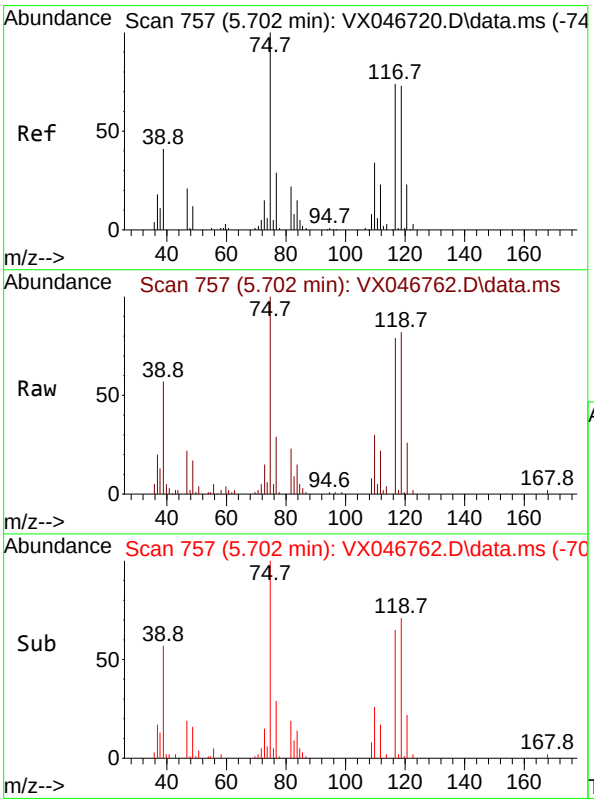

#35
Dibromofluoromethane
Concen: 52.032 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:113 Resp: 78196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |

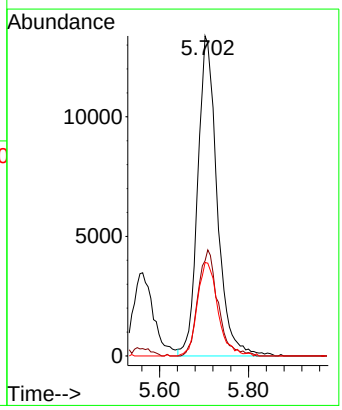


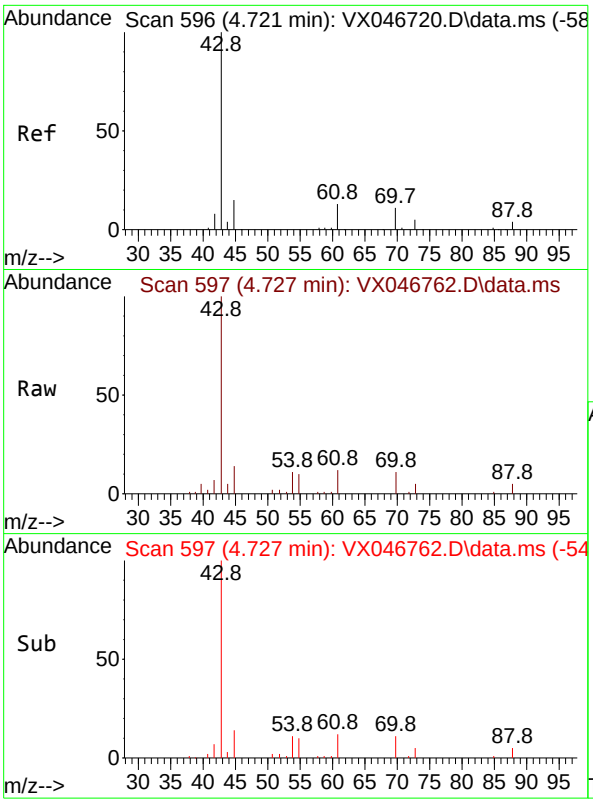




#36
1,1-Dichloropropene
Concen: 18.754 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 40684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.0 | 17.2 | 51.5 |
| 77 | 31.1 | 24.2 | 36.4 |



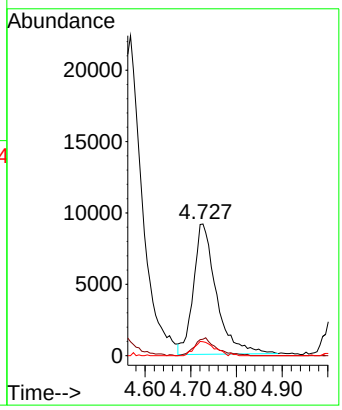


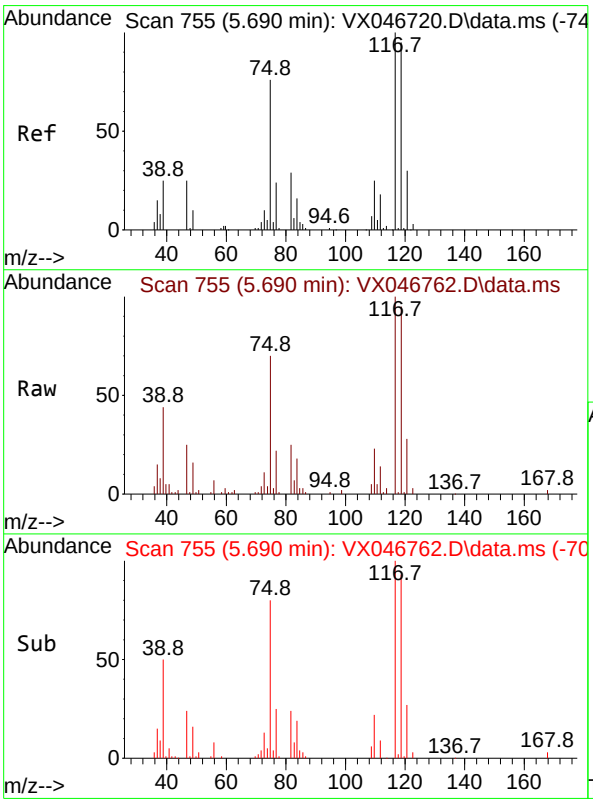

#37
Ethyl Acetate
Concen: 15.895 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 31829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 9.7 | 14.5 |
| 70 | 9.5 | 8.1 | 12.1 |

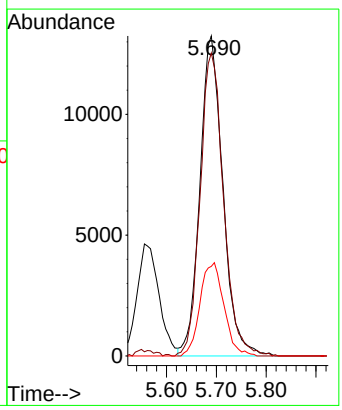


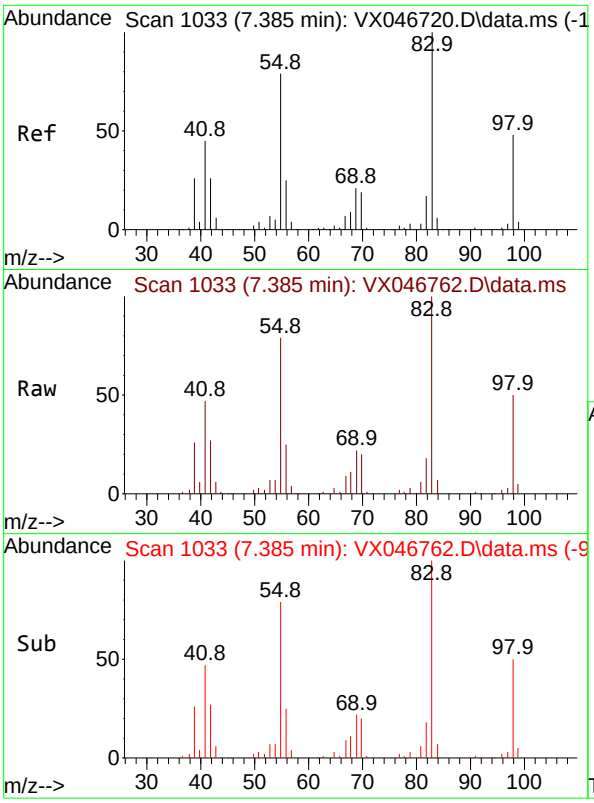




#38
Carbon Tetrachloride
Concen: 18.031 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:117 Resp: 42451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.2 | 112.8 |
| 121 | 28.0 | 24.1 | 36.1 |



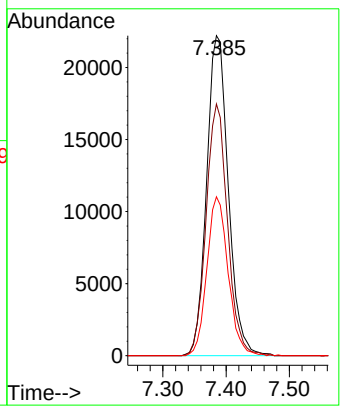


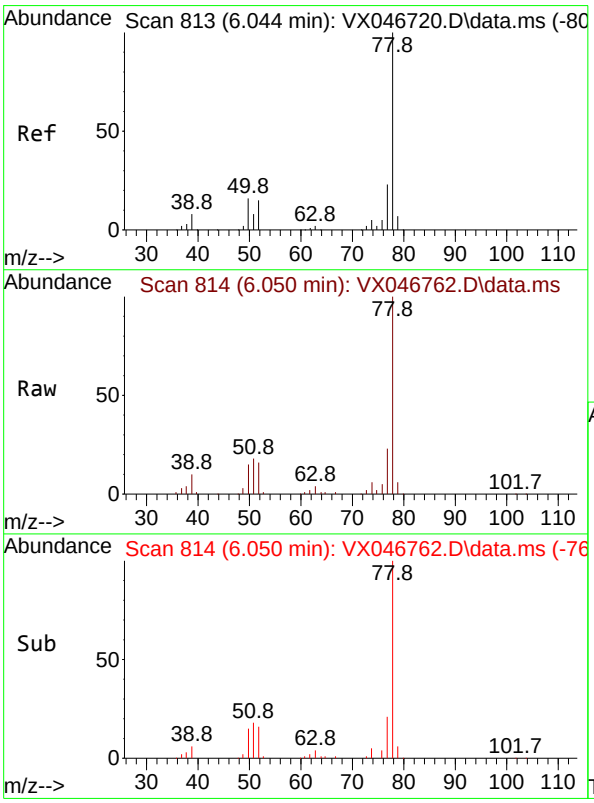

#39
Methylcyclohexane
Concen: 18.541 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 83 Resp: 52931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.7 | 63.0 | 94.4 |
| 98 | 49.6 | 38.8 | 58.2 |

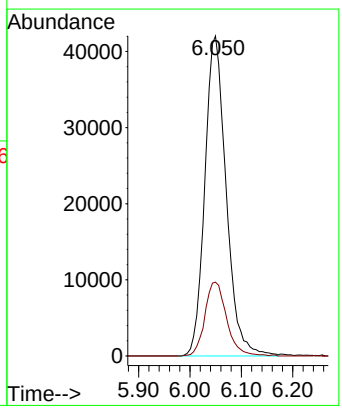


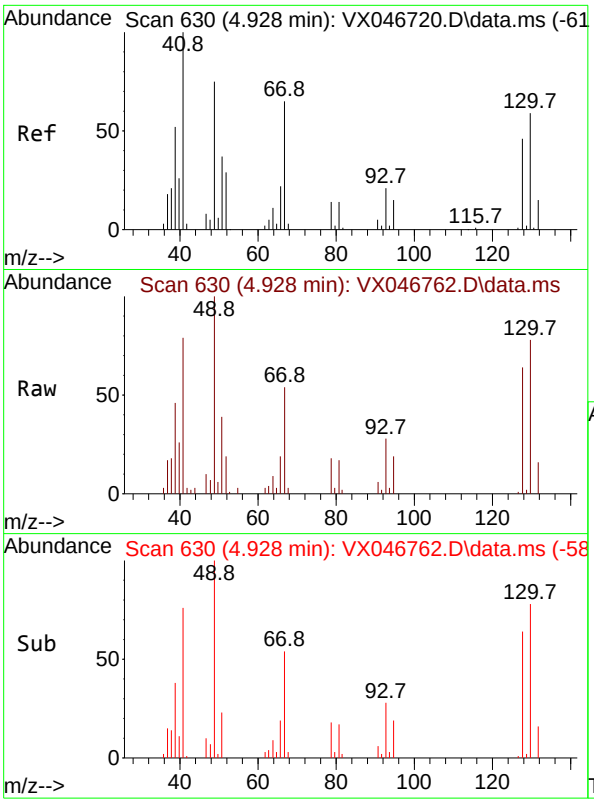




#40
Benzene
Concen: 18.864 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 78 Resp: 121111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.0 | 18.8 | 28.2 |



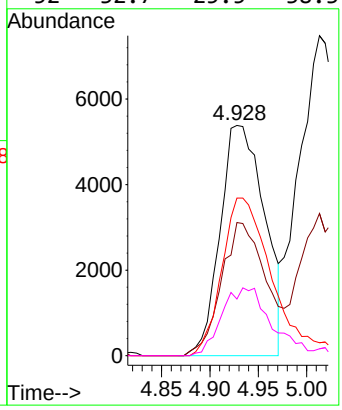


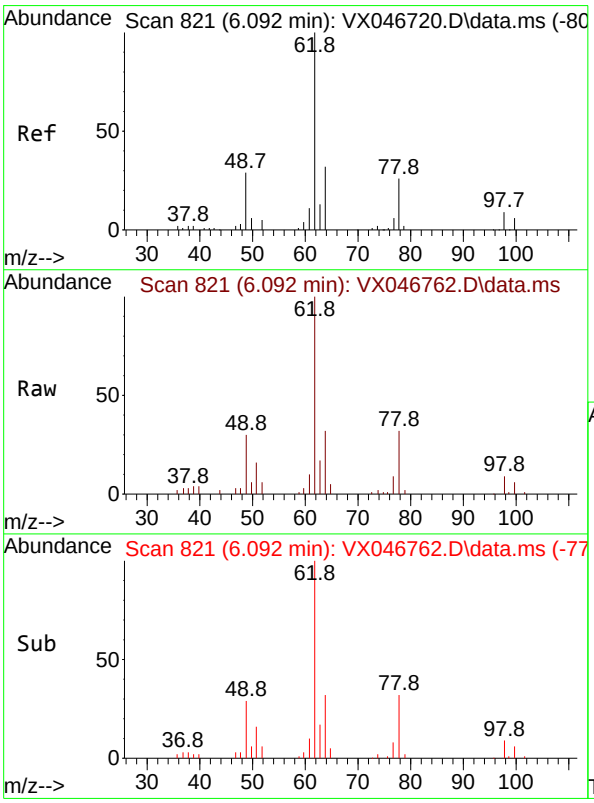

#41
Methacrylonitrile
Concen: 16.137 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 41 Resp: 17227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.4 | 45.9 | 68.9 |
| 67 | 77.6 | 61.2 | 91.8 |
| 52 | 32.7 | 25.5 | 38.3 |

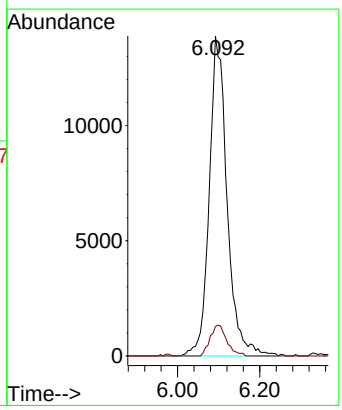


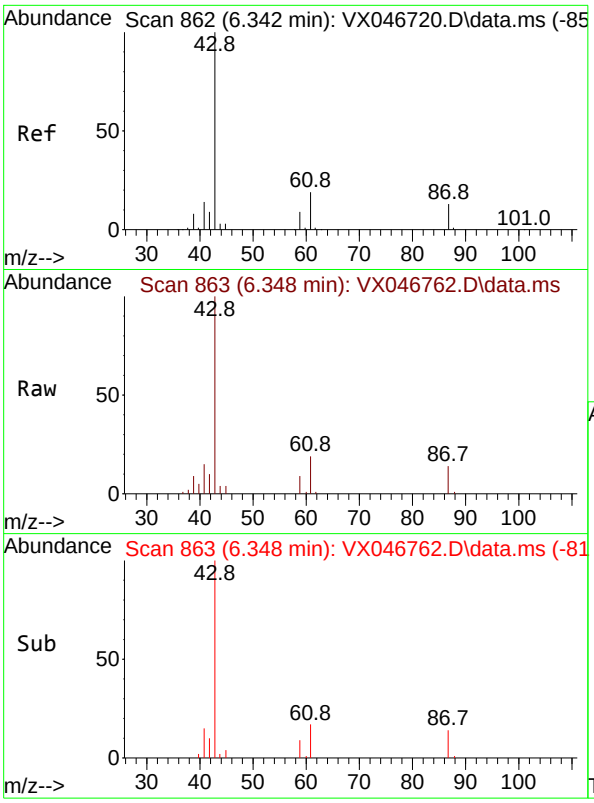




#42
1,2-Dichloroethane
Concen: 18.518 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 62 Resp: 41780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.8 |



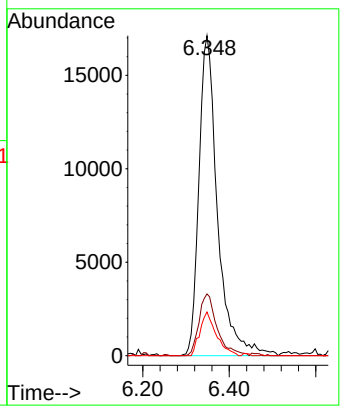


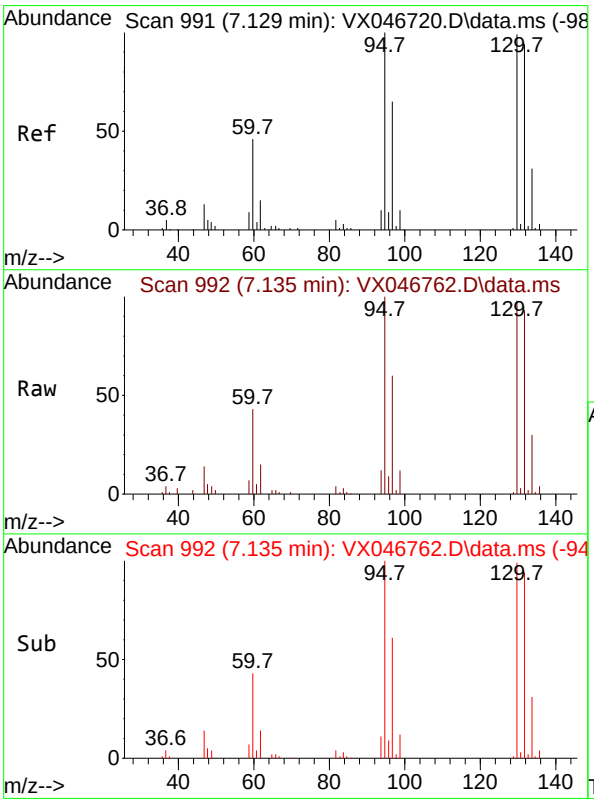

#43
Isopropyl Acetate
Concen: 16.286 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 51032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 15.3 | 22.9 |
| 87 | 12.0 | 10.0 | 15.0 |

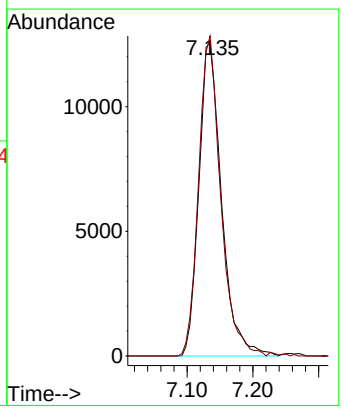


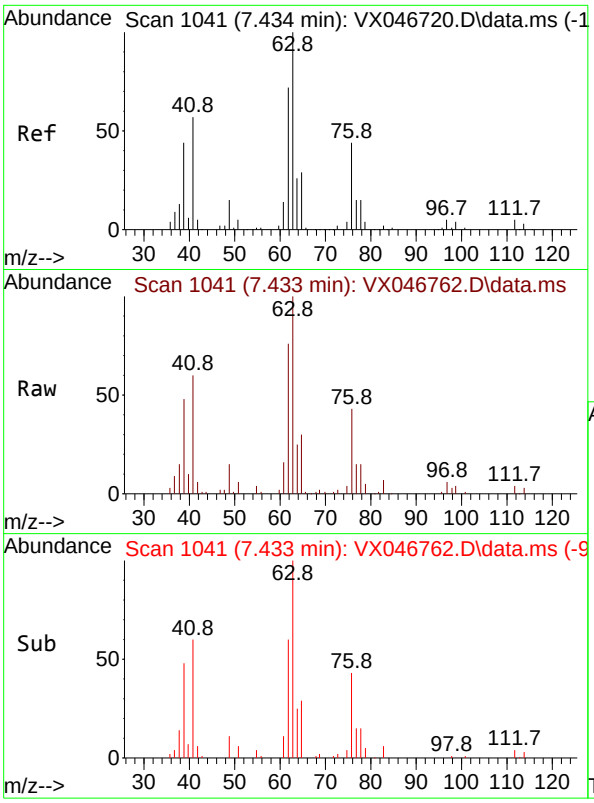




#44
Trichloroethene
Concen: 18.392 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:130 Resp: 30093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.2 | 0.0 | 202.6 |



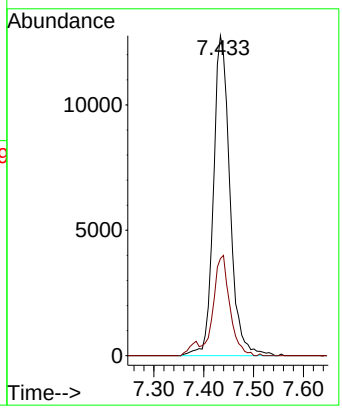


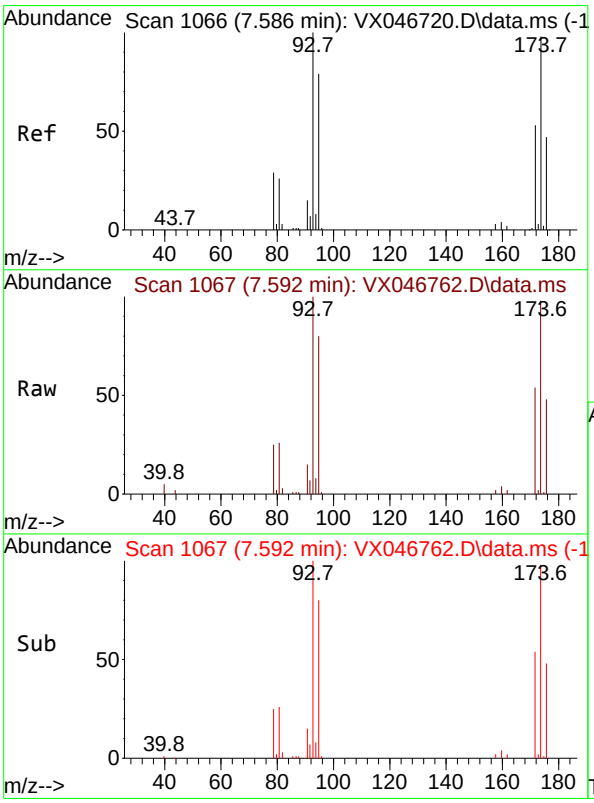

#45
1,2-Dichloropropane
Concen: 18.429 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 63 Resp: 29323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 22.9 | 34.3 |

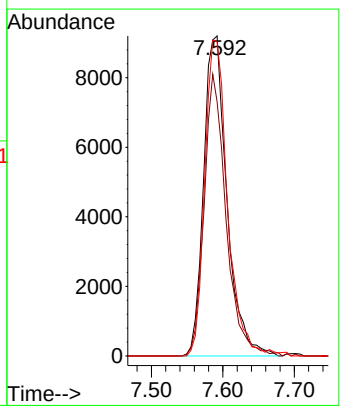


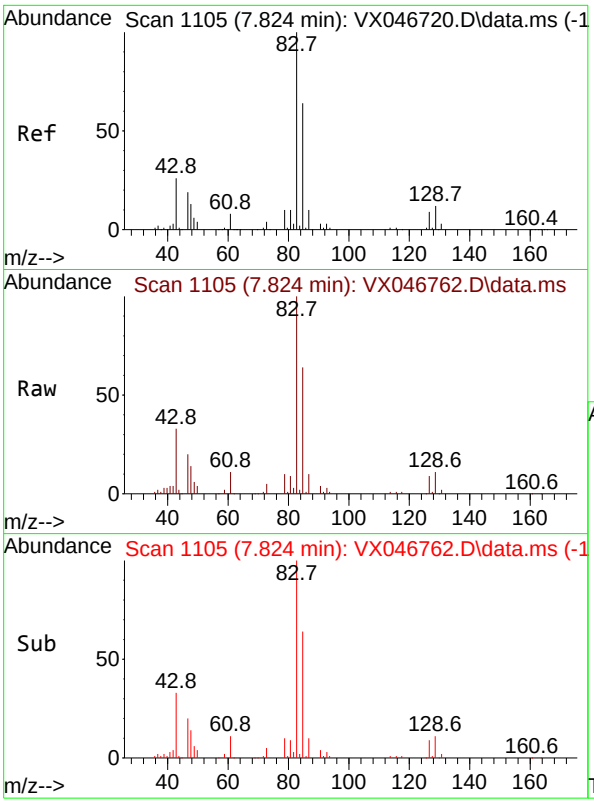




#46
Dibromomethane
Concen: 18.181 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 93 Resp: 20791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 66.2 | 99.4 |
| 174 | 97.3 | 77.0 | 115.6 |



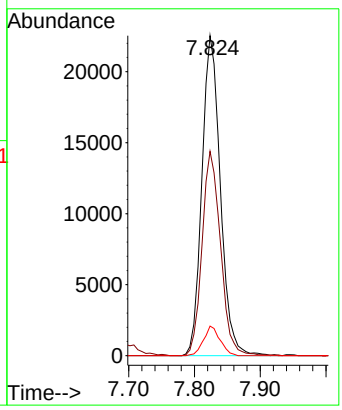


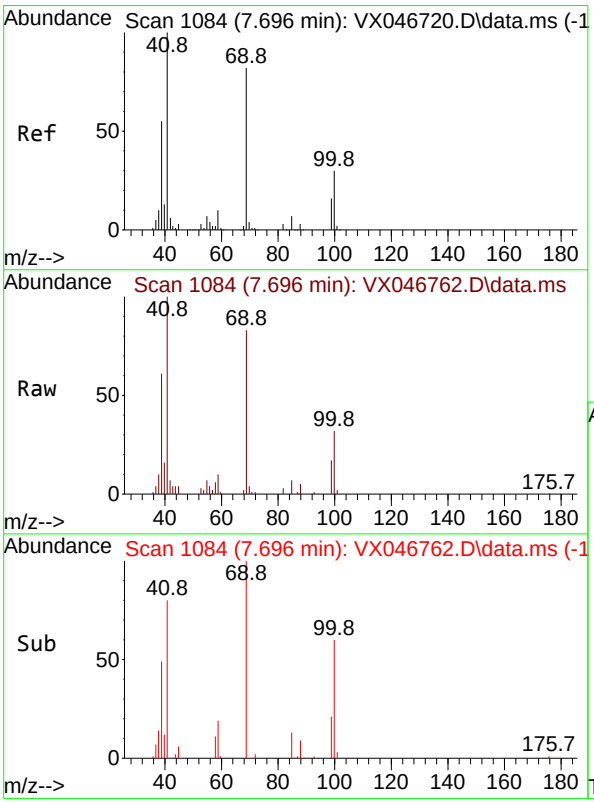

#47
Bromodichloromethane
Concen: 18.870 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 83 Resp: 44034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 51.4 | 77.2 |
| 127 | 9.3 | 6.9 | 10.3 |

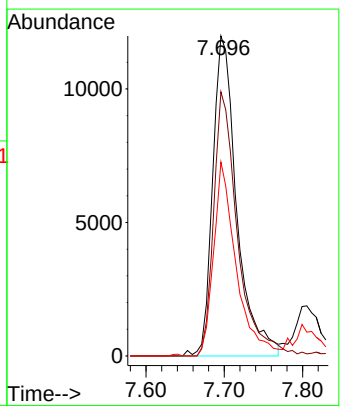


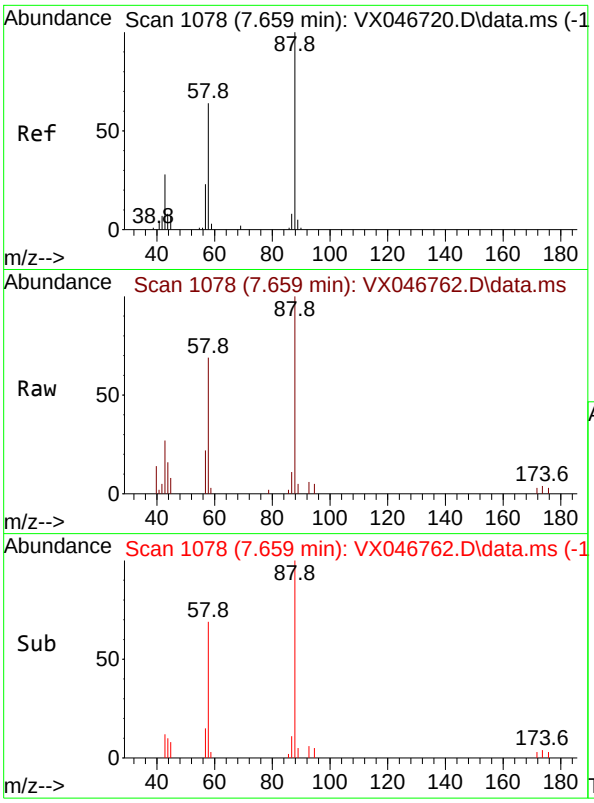




#48
Methyl methacrylate
Concen: 16.301 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 41 Resp: 25618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.0 | 63.4 | 95.2 |
| 39 | 57.0 | 45.4 | 68.0 |



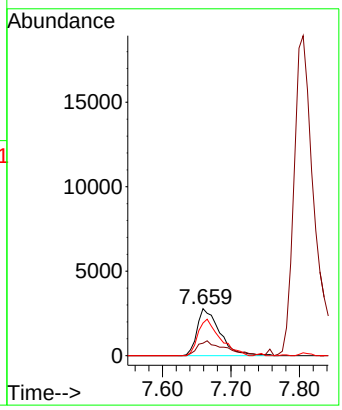


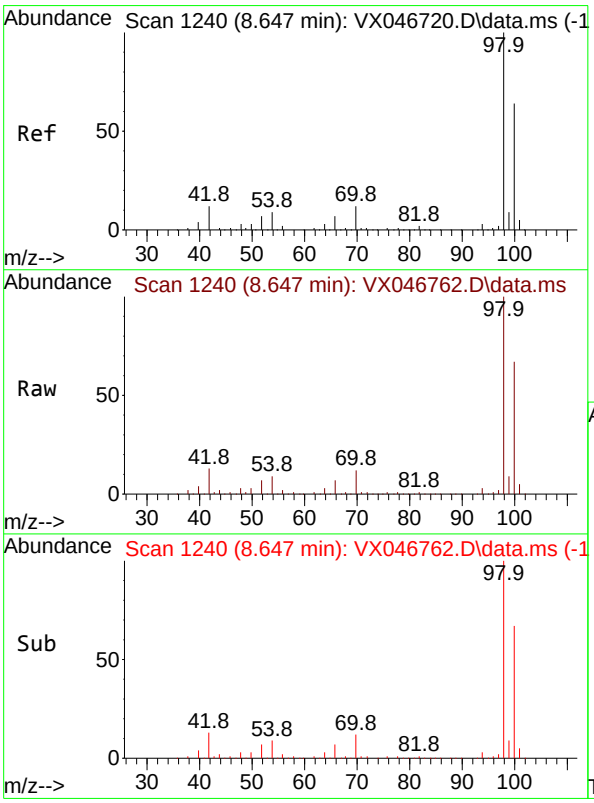

#49
1,4-Dioxane
Concen: 299.149 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 88 Resp: 6374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 31.2 | 46.8 |
| 58 | 75.1 | 54.7 | 82.1 |

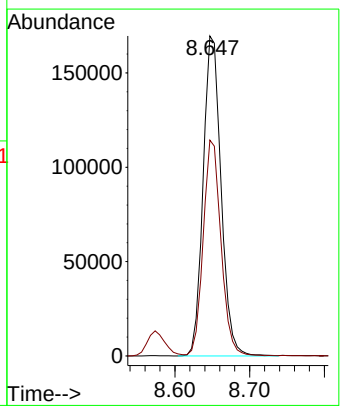


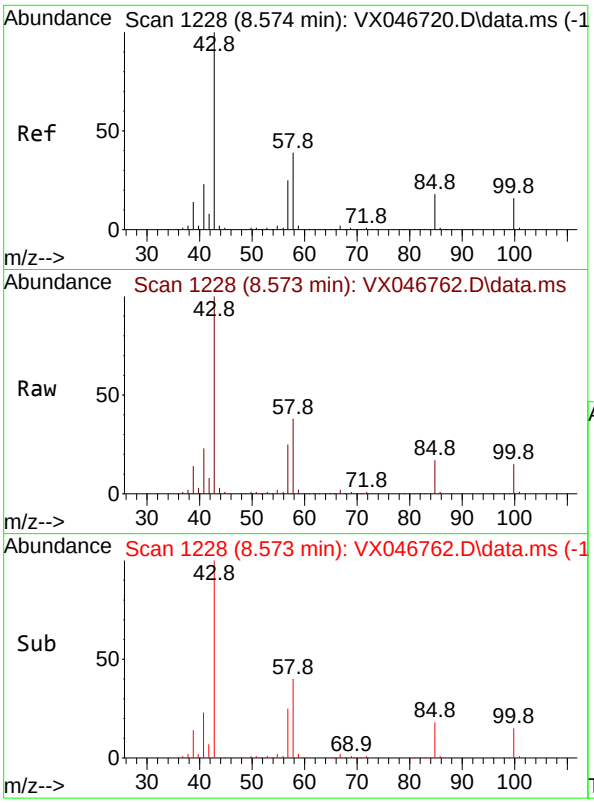




#50
Toluene-d8
Concen: 52.340 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 98 Resp: 282602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |



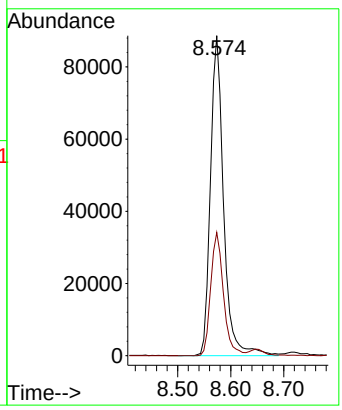


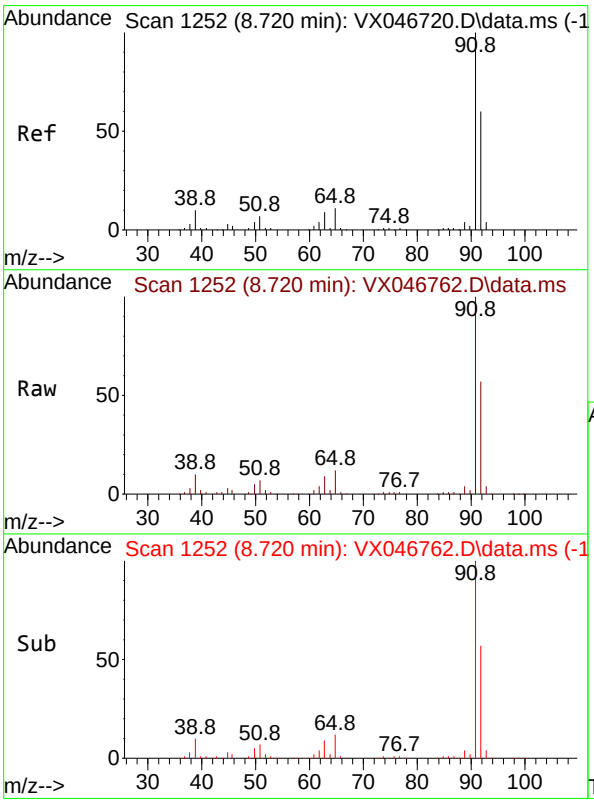

#51
4-Methyl-2-Pentanone
Concen: 81.636 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 152568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.8 | 46.2 |

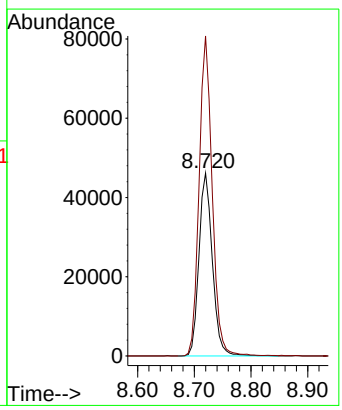


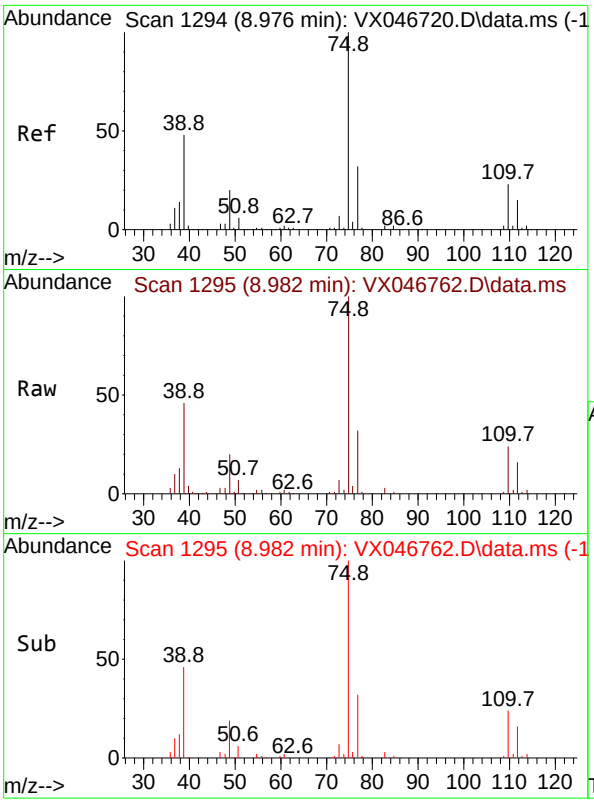




#52
Toluene
Concen: 19.048 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 92 Resp: 75814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.6 | 134.8 | 202.2 |



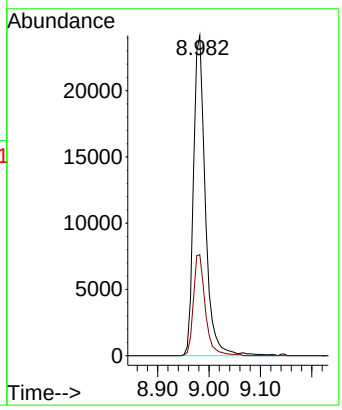


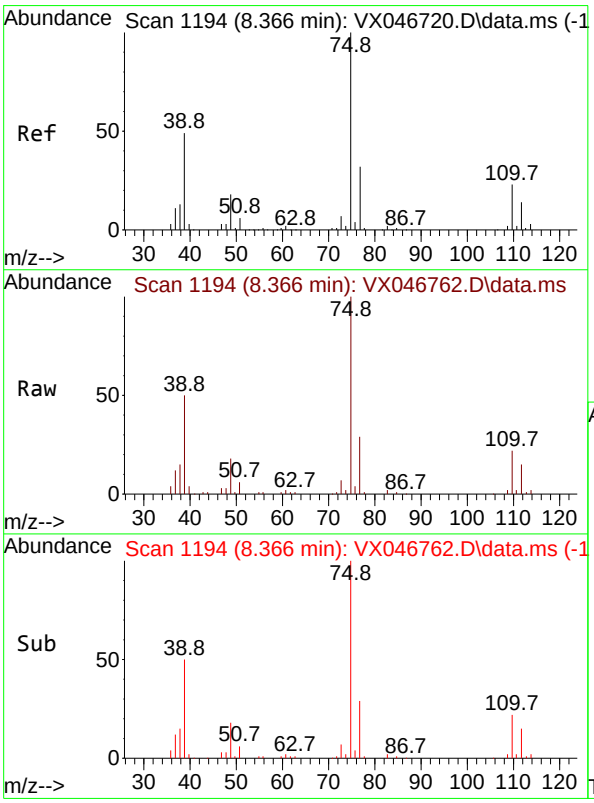

#53
t-1,3-Dichloropropene
Concen: 17.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 75 Resp: 38942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.6 | 38.4 |

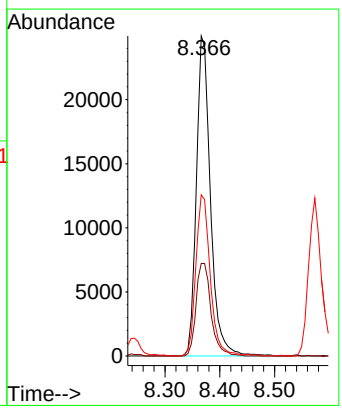


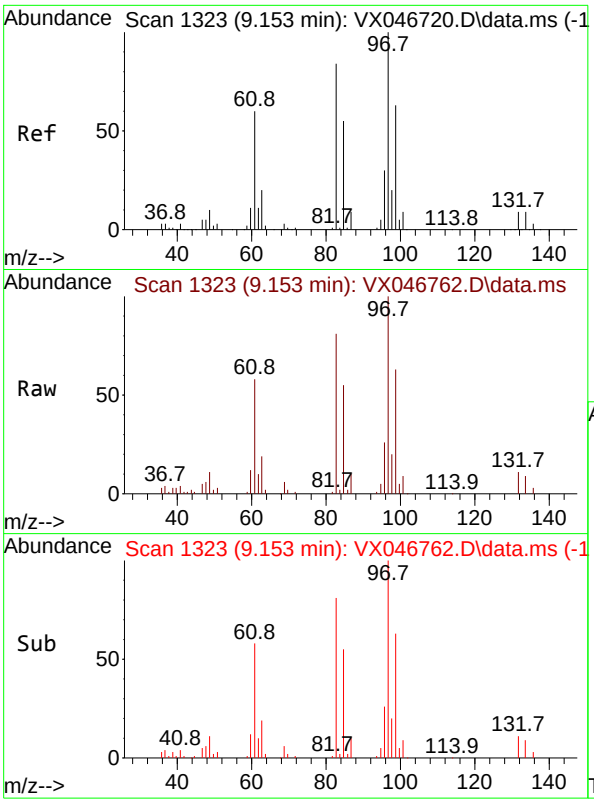




#54
cis-1,3-Dichloropropene
Concen: 18.171 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 44663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.9 | 25.3 | 37.9 |
| 39 | 48.7 | 39.2 | 58.8 |



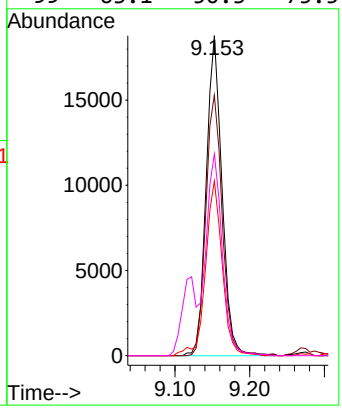


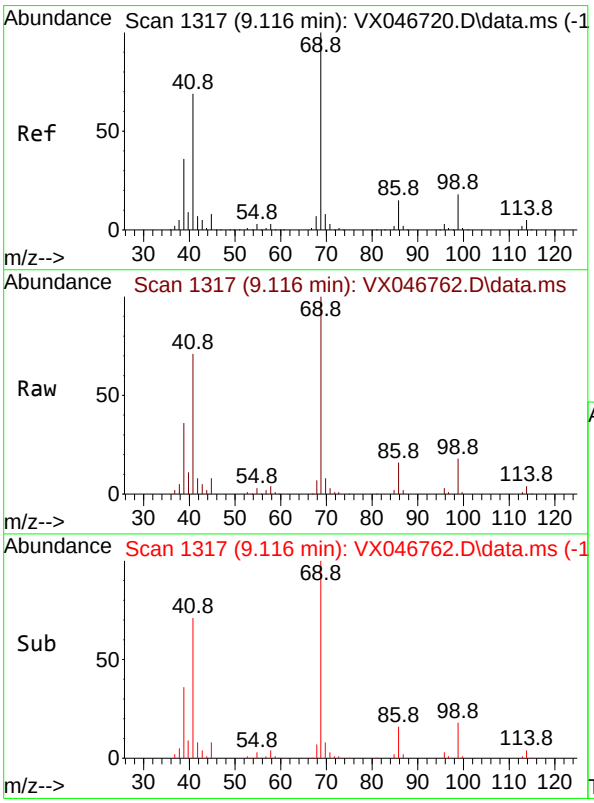

#55
1,1,2-Trichloroethane
Concen: 18.544 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 97 Resp: 27505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.4 | 67.2 | 100.8 |
| 85 | 54.6 | 44.1 | 66.1 |
| 99 | 63.1 | 50.3 | 75.5 |

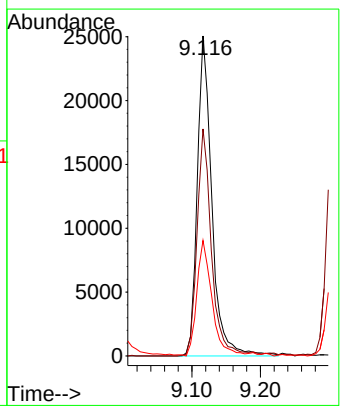


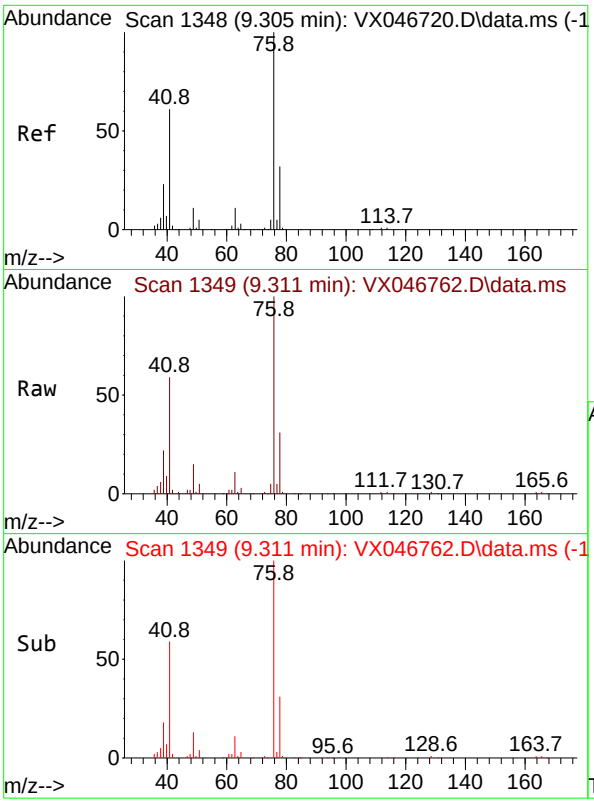




#56
Ethyl methacrylate
Concen: 16.942 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 69 Resp: 37095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 55.4 | 83.2 |
| 39 | 36.2 | 29.7 | 44.5 |



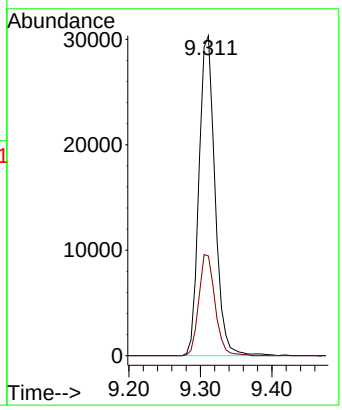


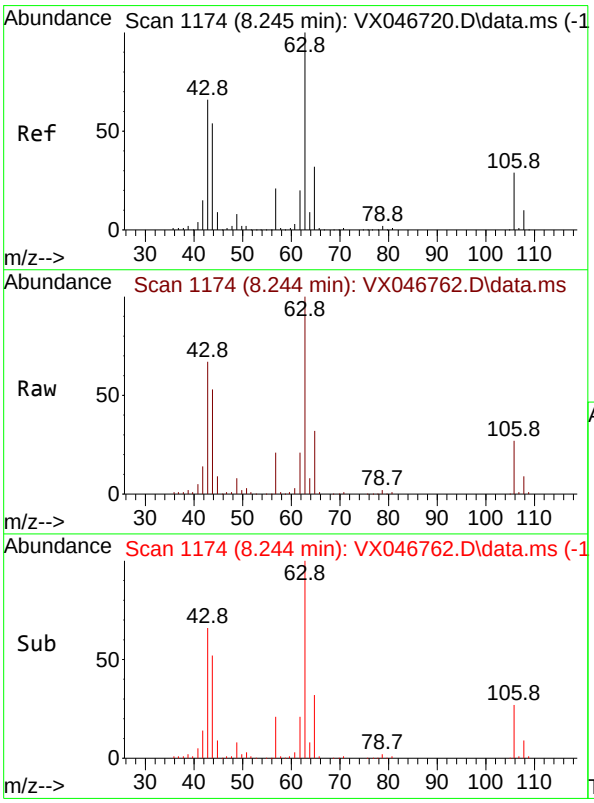

#57
1,3-Dichloropropane
Concen: 18.484 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 76 Resp: 47213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.7 | 38.5 |

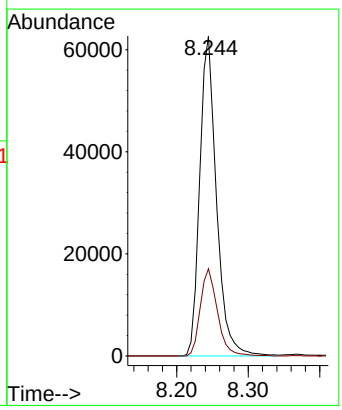


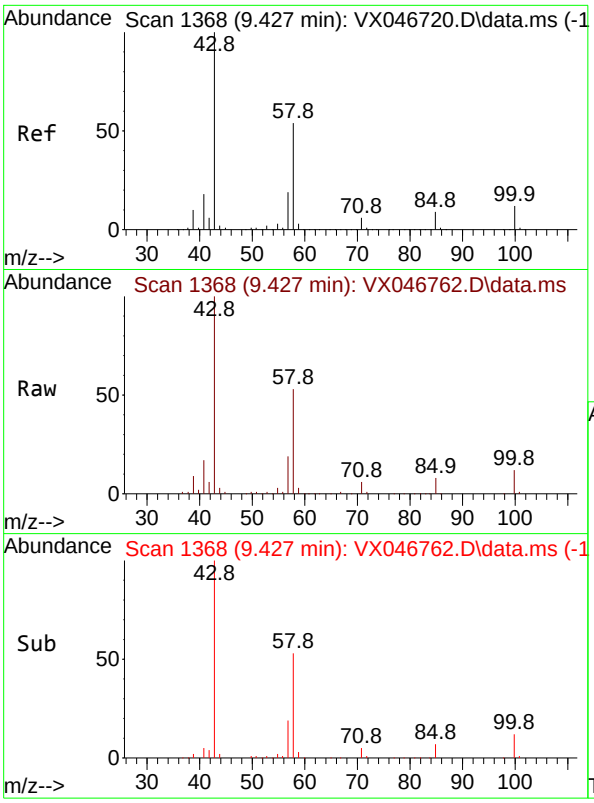




#58
2-Chloroethyl Vinyl ether
Concen: 89.565 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 63 Resp: 101869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.8 | 22.6 | 34.0 |



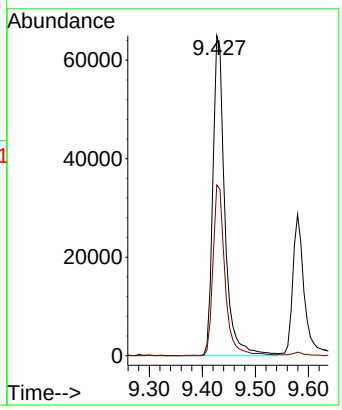


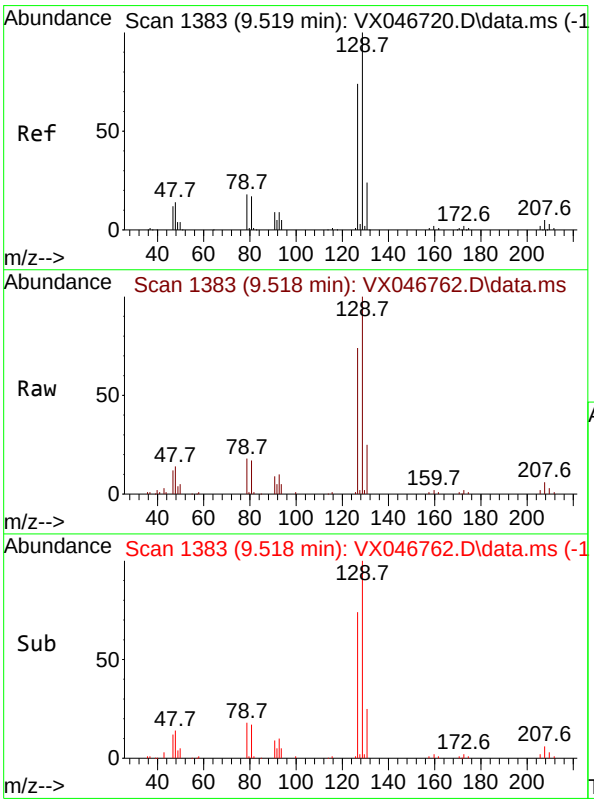

#59
2-Hexanone
Concen: 78.935 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 43 Resp: 101986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.7 | 26.8 | 80.4 |

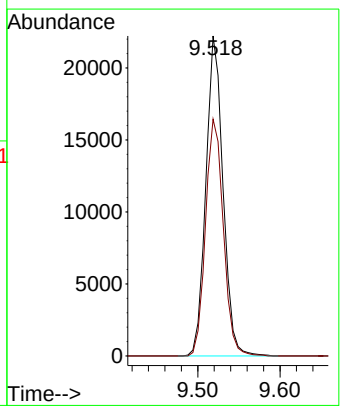


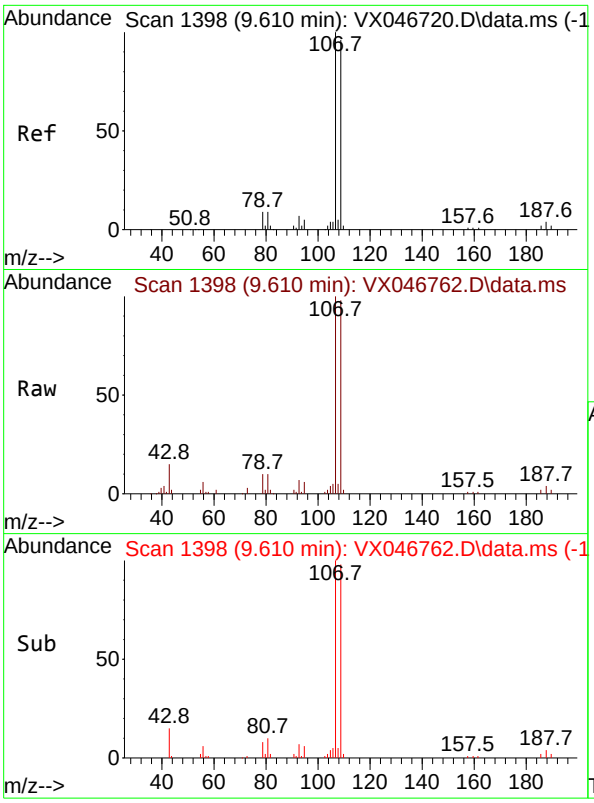




#60
Dibromochloromethane
Concen: 18.395 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:129 Resp: 32154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.4 | 115.2 |



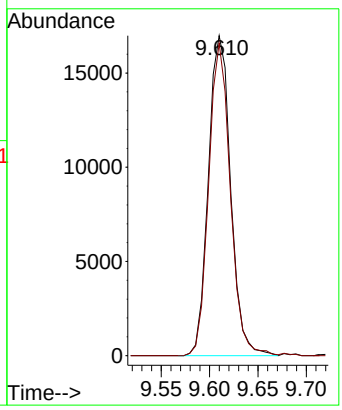


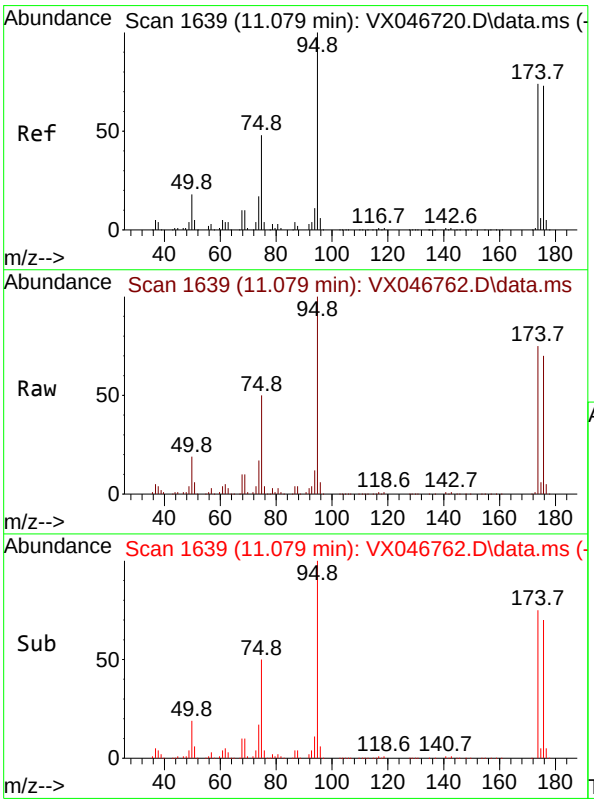

#61
1,2-Dibromoethane
Concen: 18.042 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:107 Resp: 27221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 75.8 | 113.6 |

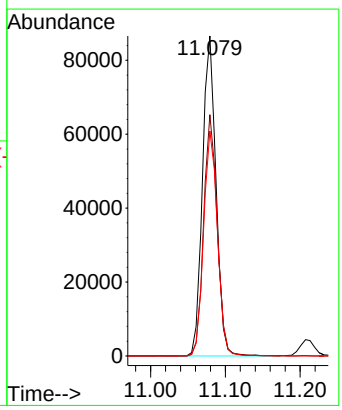


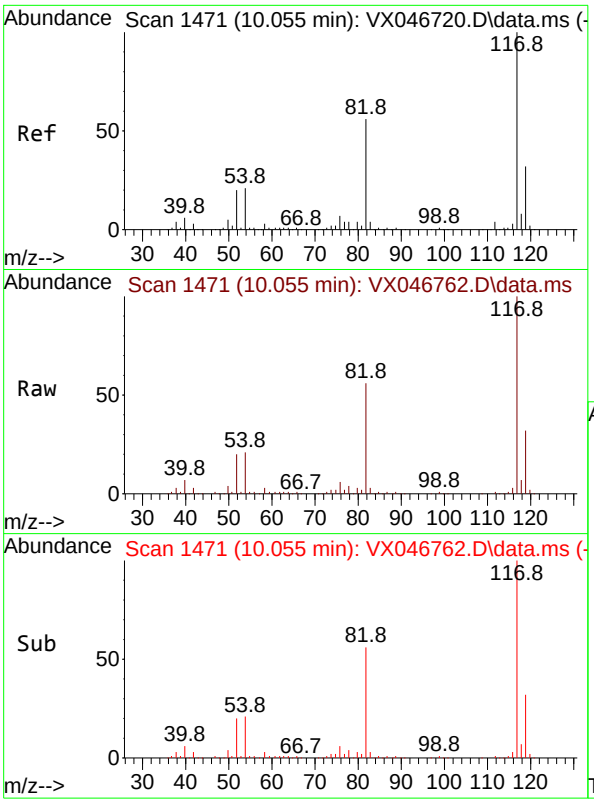




#62
4-Bromofluorobenzene
Concen: 54.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 95 Resp: 108869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.4 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |



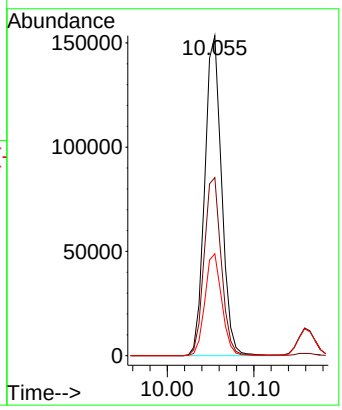


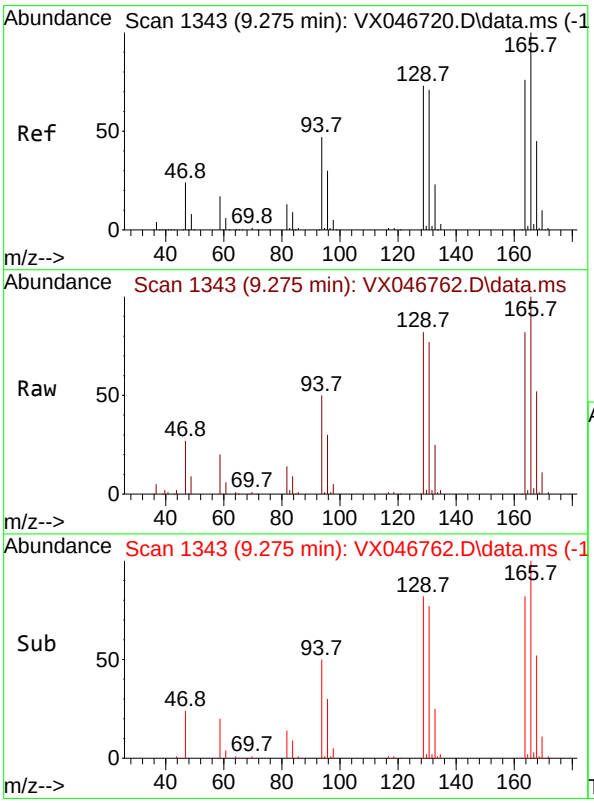

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:117 Resp: 207463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 44.6 | 66.8 |
| 119 | 31.9 | 25.8 | 38.8 |

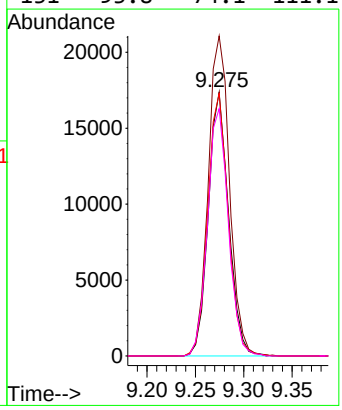


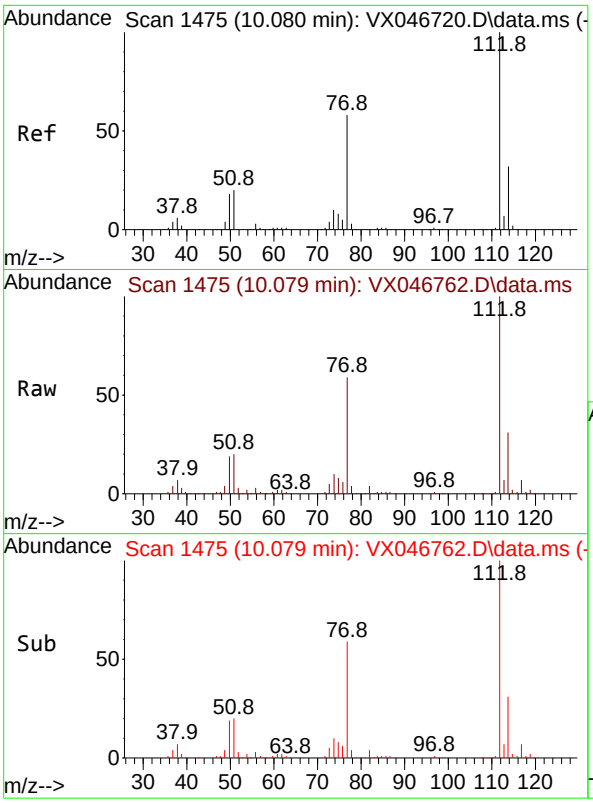




#64
Tetrachloroethene
Concen: 17.655 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:164 Resp: 25376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.4 | 104.6 | 157.0 |
| 129 | 99.6 | 76.3 | 114.5 |
| 131 | 93.8 | 74.1 | 111.1 |



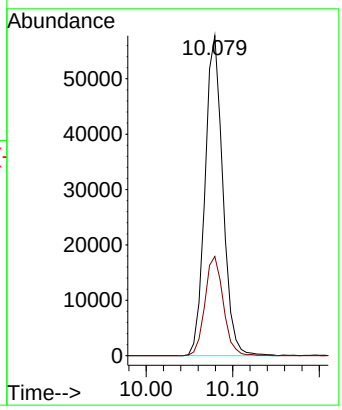


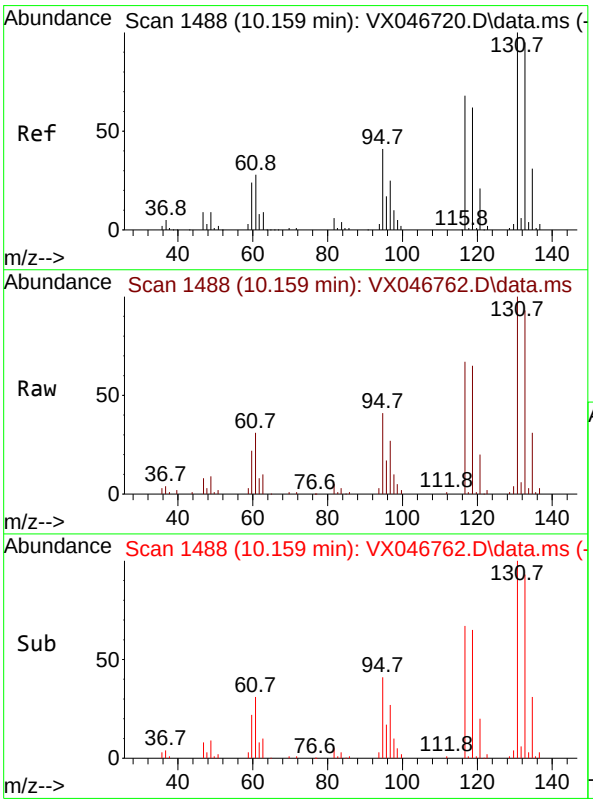

#65
Chlorobenzene
Concen: 17.991 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:112 Resp: 82392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.5 | 38.3 |

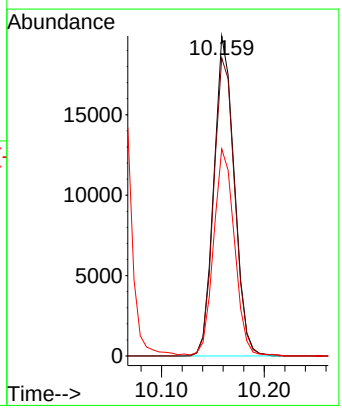


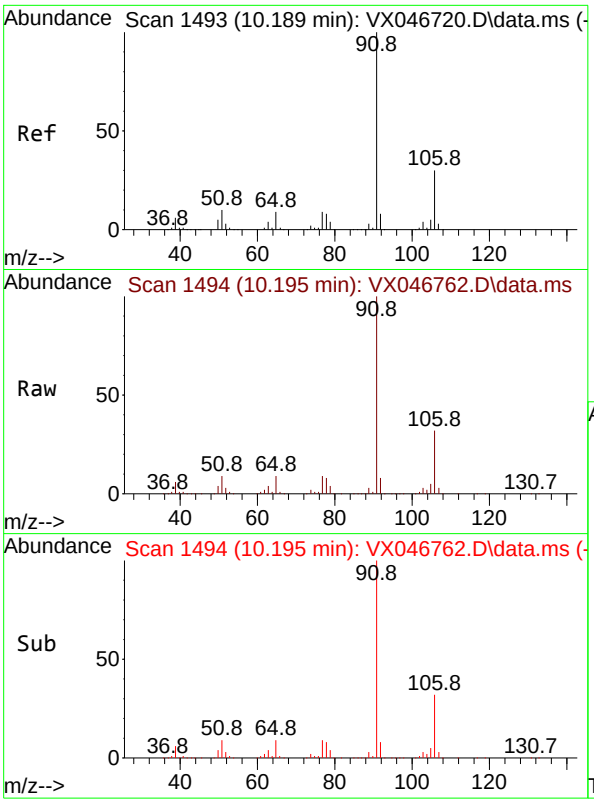




#66
1,1,1,2-Tetrachloroethane
Concen: 17.843 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:131 Resp: 27463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.2 | 47.3 | 141.8 |
| 119 | 66.0 | 32.1 | 96.3 |



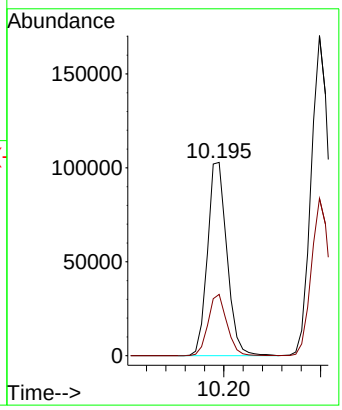


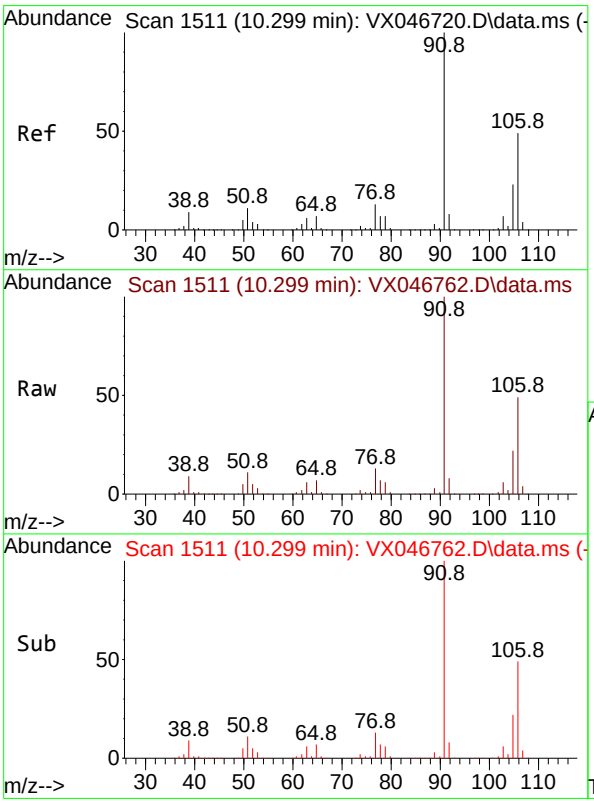

#67
Ethyl Benzene
Concen: 18.002 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 91 Resp: 144047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 24.2 | 36.2 |

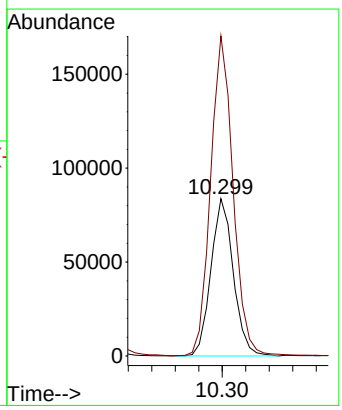


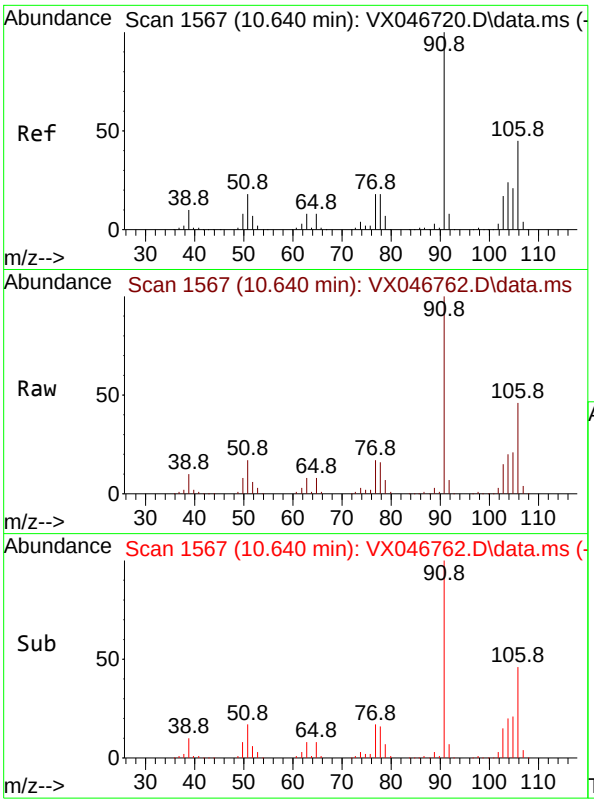




#68
m/p-Xylenes
Concen: 37.244 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:106 Resp: 111044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.3 | 164.8 | 247.2 |



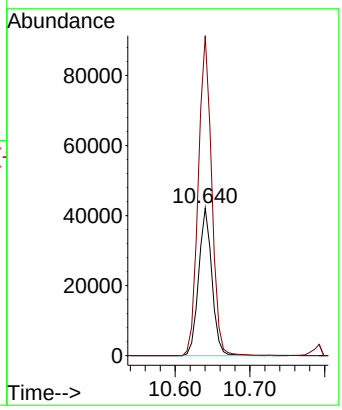


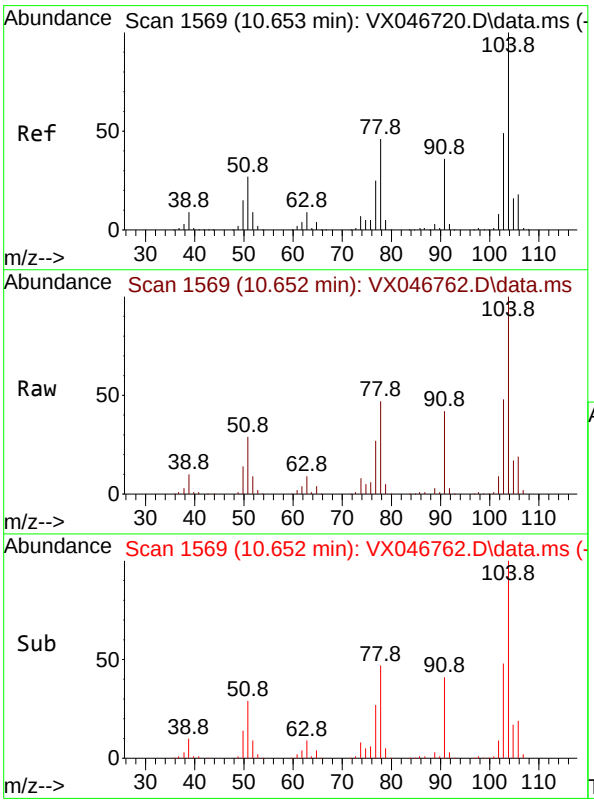

#69
o-Xylene
Concen: 18.572 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:106 Resp: 51894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.2 | 111.3 | 333.9 |

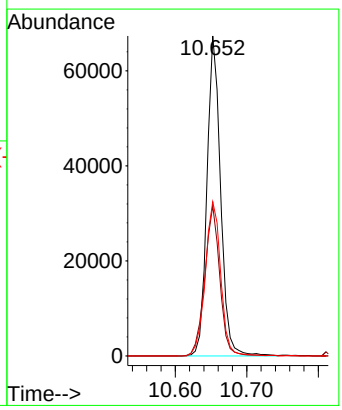


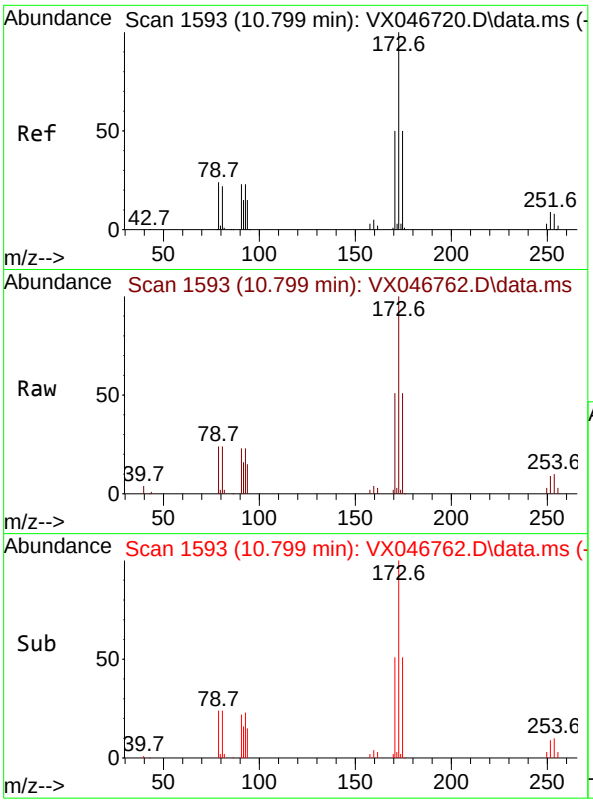




#70
Styrene
Concen: 18.260 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:104 Resp: 89289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.0 | 41.4 | 62.2 |
| 103 | 54.7 | 43.1 | 64.7 |



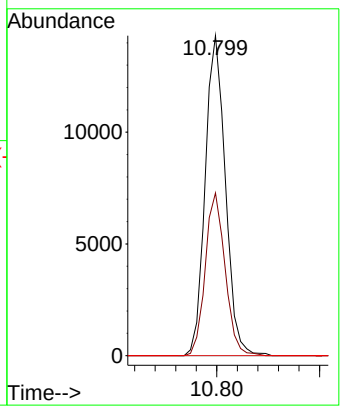


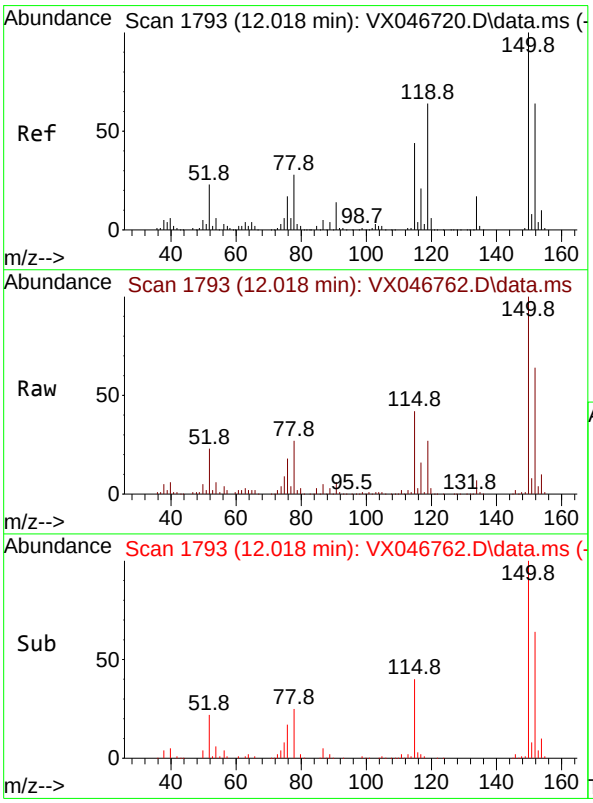

#71
Bromoform
Concen: 16.701 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:173 Resp: 19576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.0 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

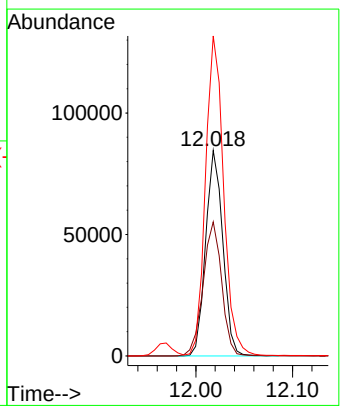


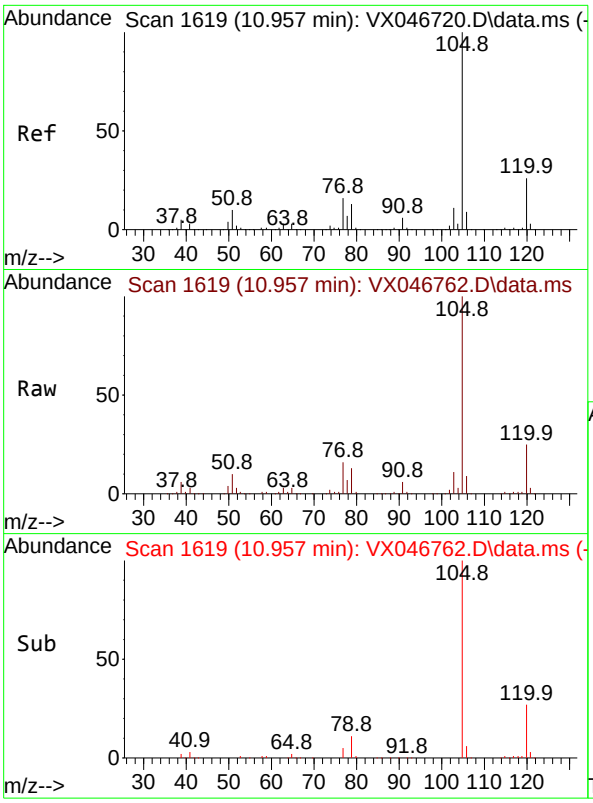




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:152 Resp: 104652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.8 | 43.2 | 129.6 |
| 150 | 164.1 | 0.0 | 346.8 |



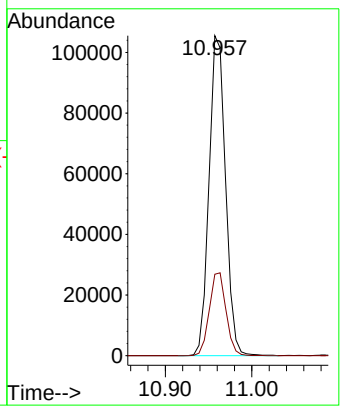


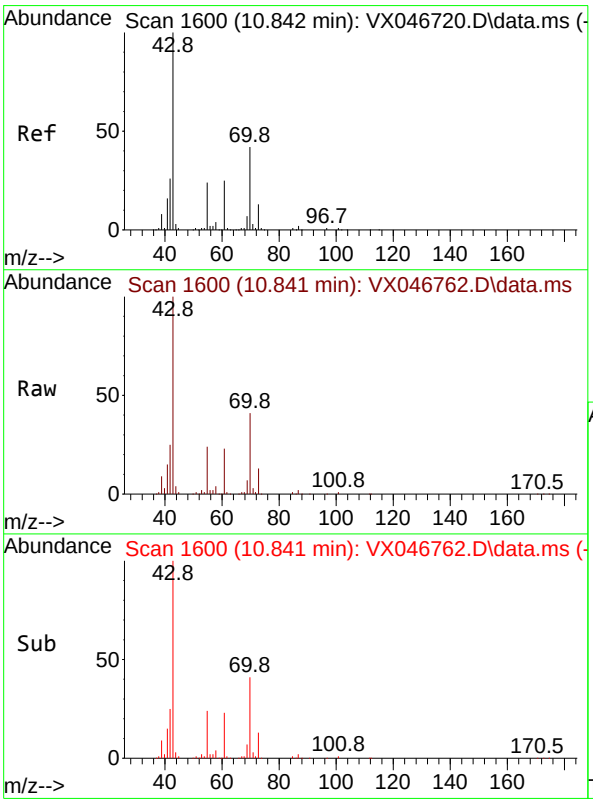

#73
Isopropylbenzene
Concen: 18.100 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:105 Resp: 139510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.3 | 13.0 | 39.0 |

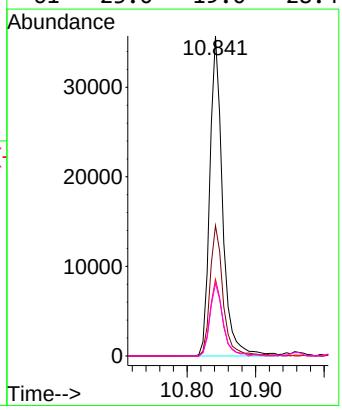


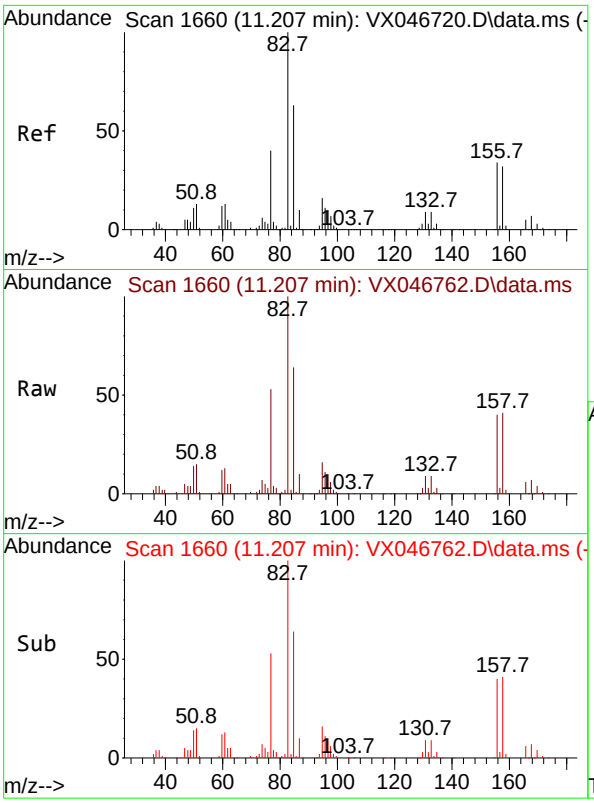




#74
N-amyl acetate
Concen: 15.893 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 43 Resp: 46412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.3 | 33.4 | 50.0 |
| 55 | 24.2 | 19.1 | 28.7 |
| 61 | 23.0 | 19.0 | 28.4 |



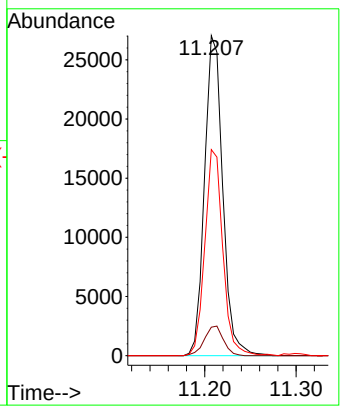


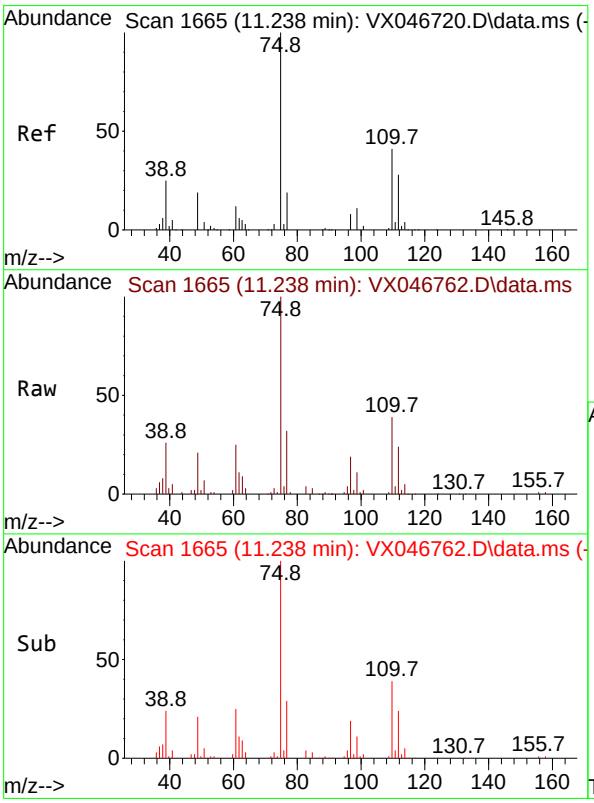

#75
1,1,2,2-Tetrachloroethane
Concen: 17.337 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 83 Resp: 37312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 4.9 | 14.6 |
| 85 | 63.7 | 32.0 | 96.0 |

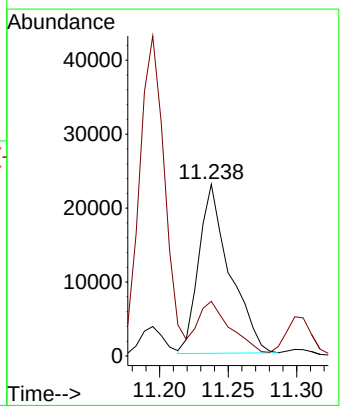


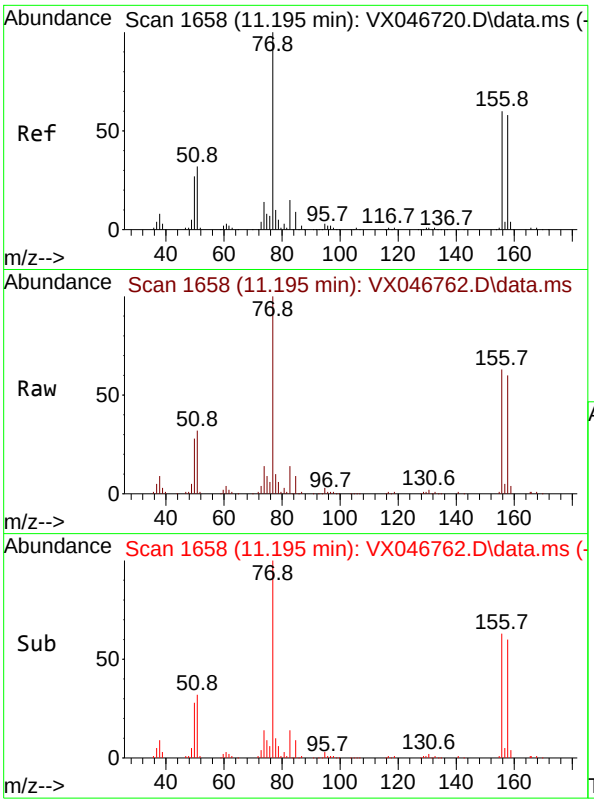




#76
1,2,3-Trichloropropane
Concen: 18.832 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 36095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.6 | 18.5 | 55.5 |



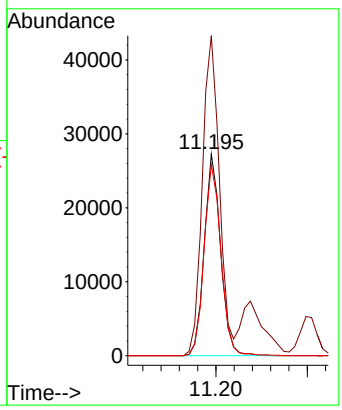


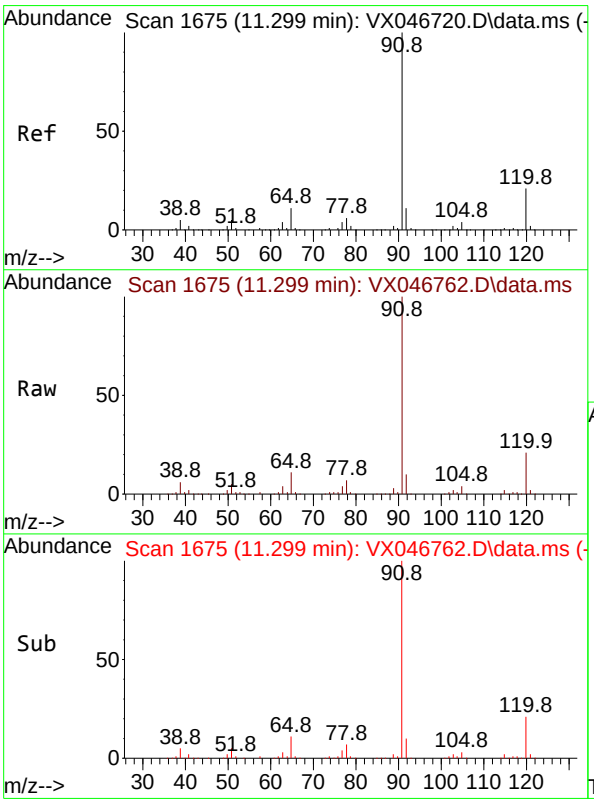

#77
Bromobenzene
Concen: 18.275 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:156 Resp: 33896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.7 | 82.8 | 248.6 |
| 158 | 97.8 | 47.6 | 142.9 |

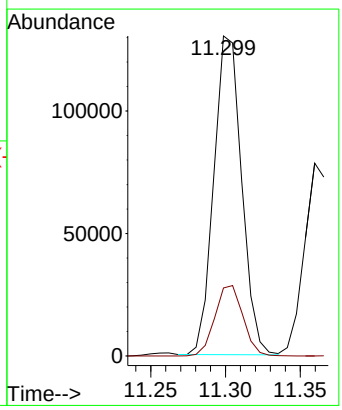


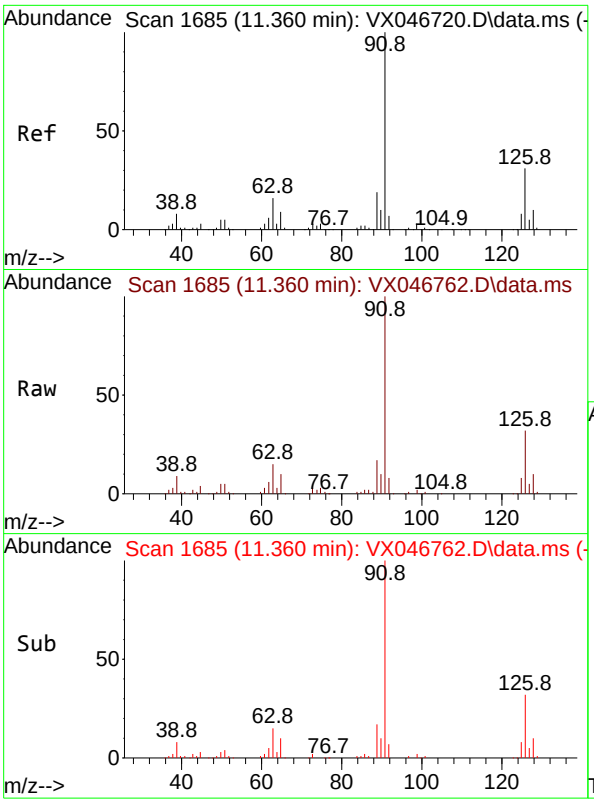




#78
n-propylbenzene
Concen: 18.415 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 168589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.4 | 34.1 |



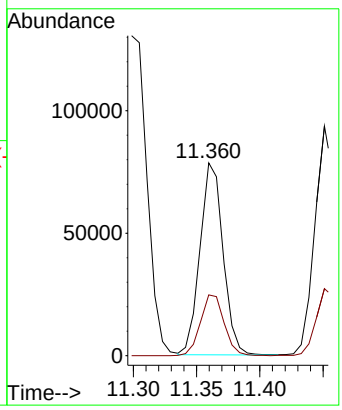


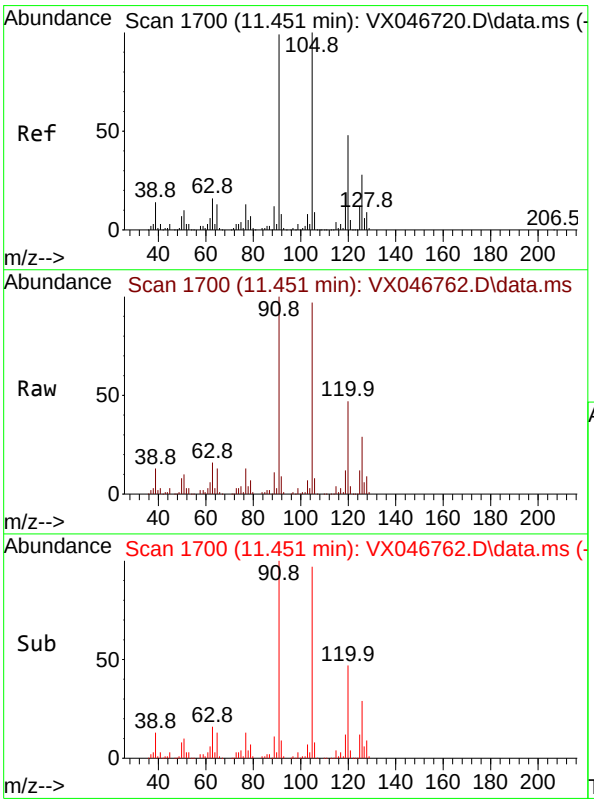

#79
2-Chlorotoluene
Concen: 18.238 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 91 Resp: 99687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.6 | 49.7 |

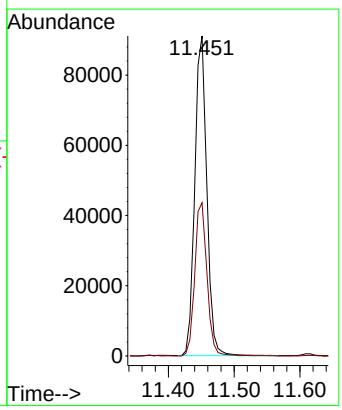


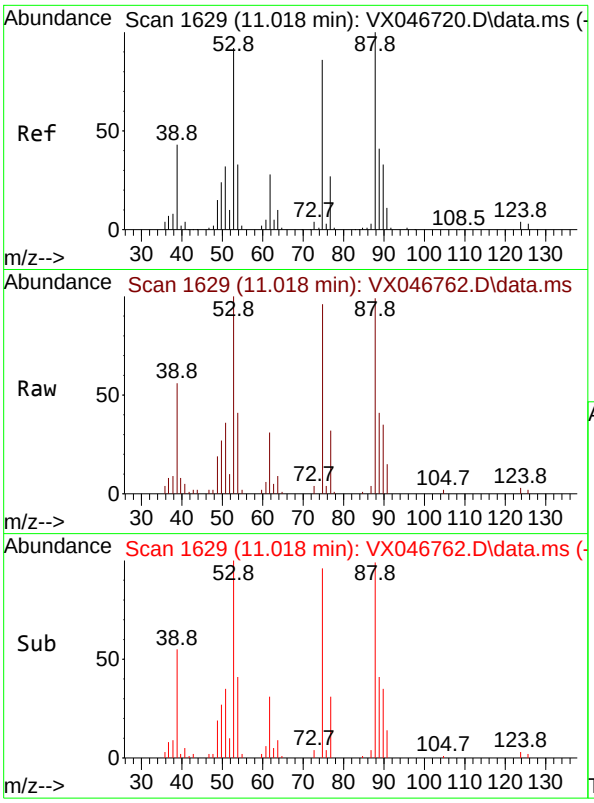




#80
1,3,5-Trimethylbenzene
Concen: 18.221 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 115409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.1 | 72.2 |



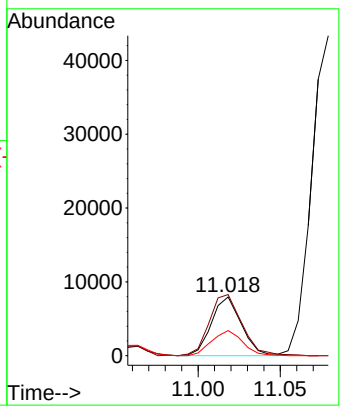


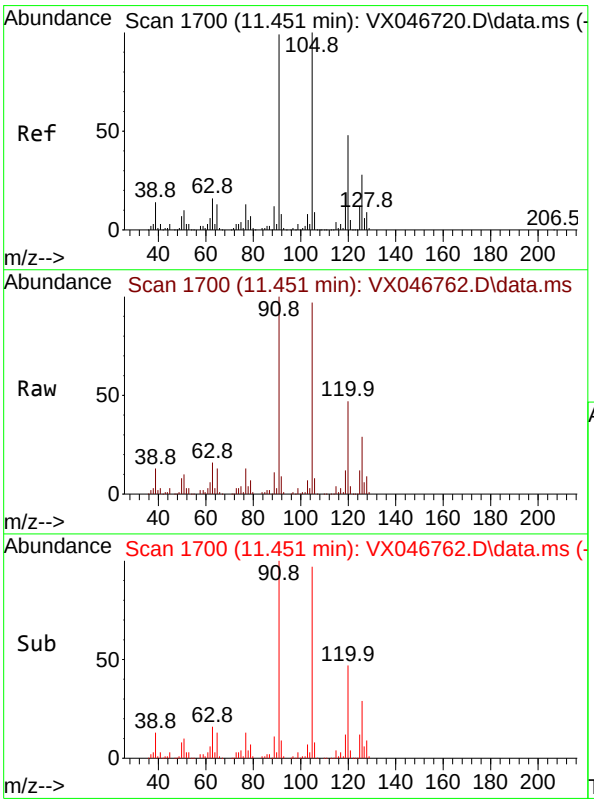

#81
trans-1,4-Dichloro-2-butene
Concen: 14.897 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 75 Resp: 10102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 112.7 | 86.8 | 130.2 |
| 89 | 43.9 | 36.9 | 55.3 |

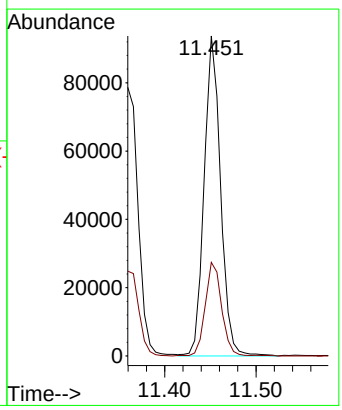


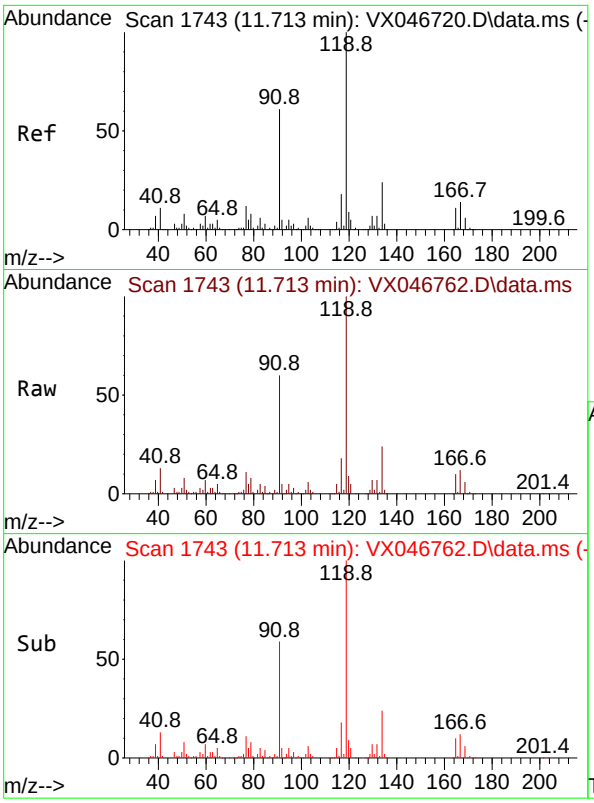




#82
4-Chlorotoluene
Concen: 18.296 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 91 Resp: 116713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.3 | 14.4 | 43.2 |



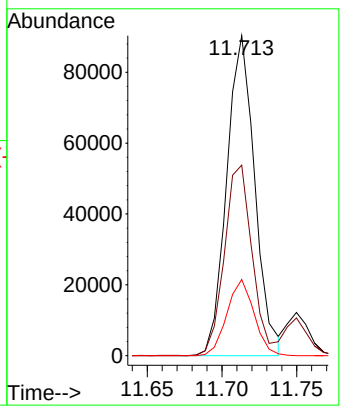


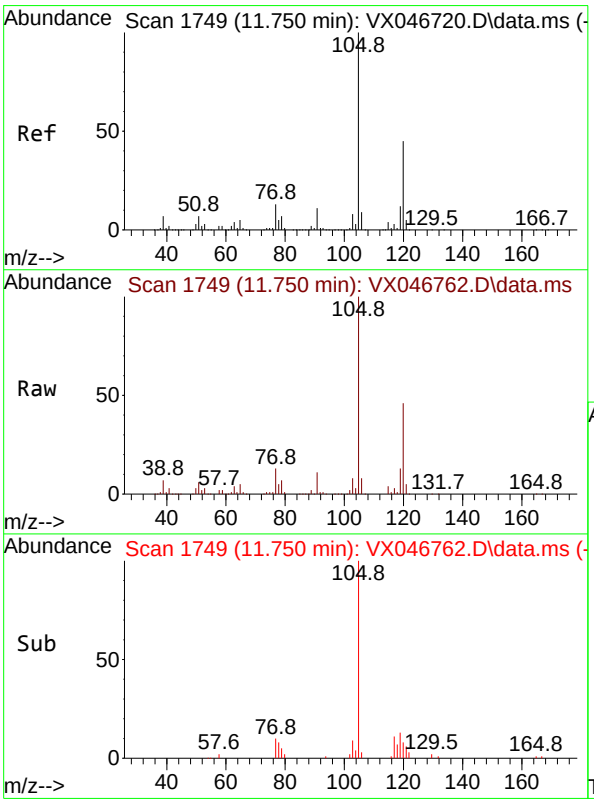

#83
tert-Butylbenzene
Concen: 18.027 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:119 Resp: 118027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.4 | 29.5 | 88.6 |
| 134 | 23.0 | 11.7 | 35.0 |

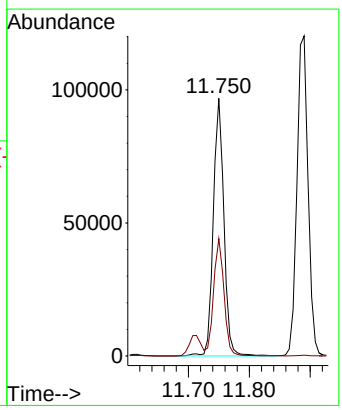


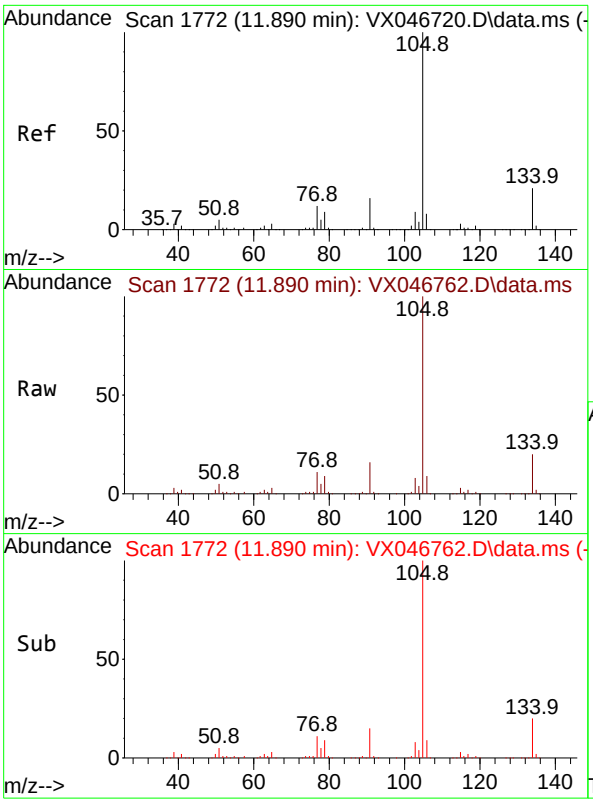




#84
1,2,4-Trimethylbenzene
Concen: 18.357 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:105 Resp: 116817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.1 | 66.3 |



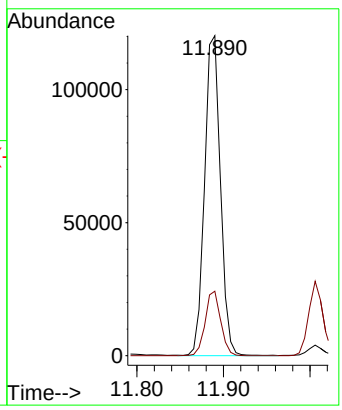


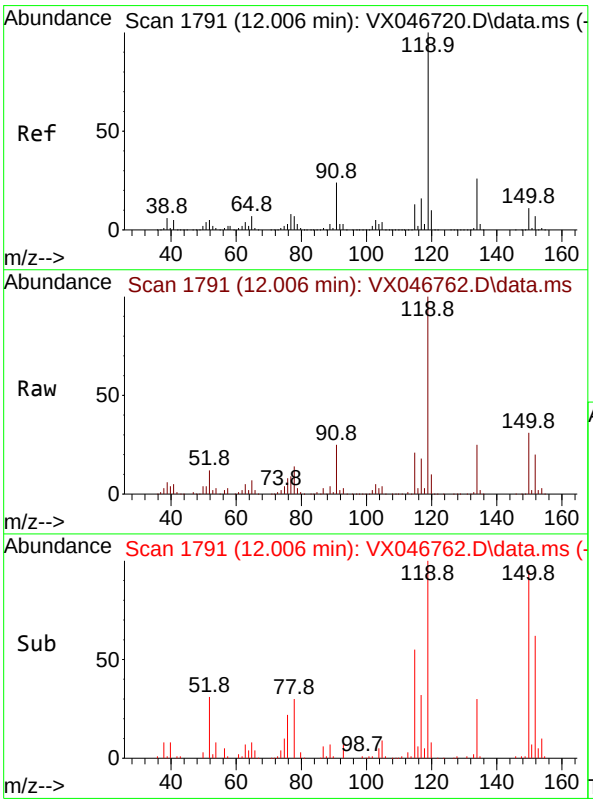

#85
sec-Butylbenzene
Concen: 18.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:105 Resp: 153043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.4 |

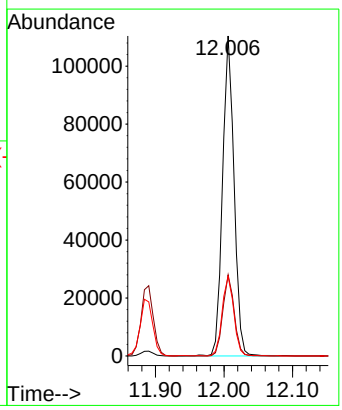


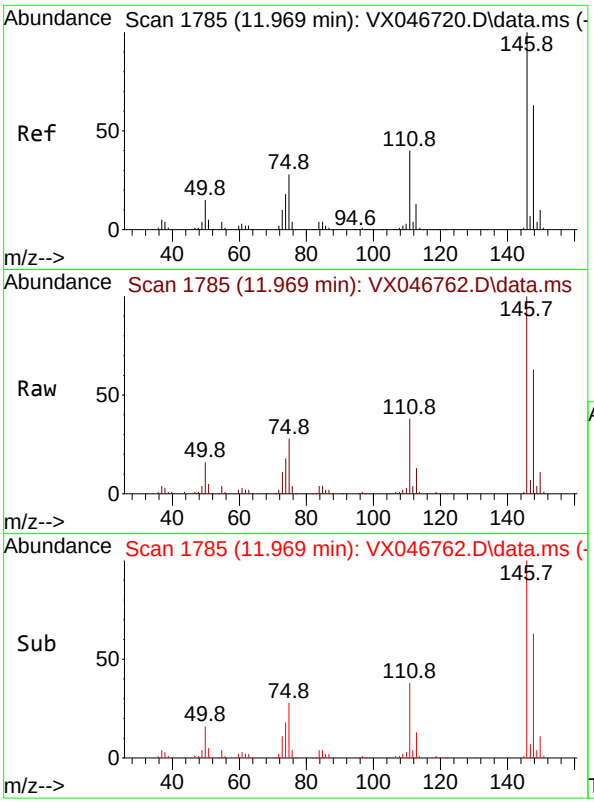




#86
p-Isopropyltoluene
Concen: 18.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:119 Resp: 127841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 12.9 | 38.7 |
| 91 | 25.2 | 12.3 | 36.9 |



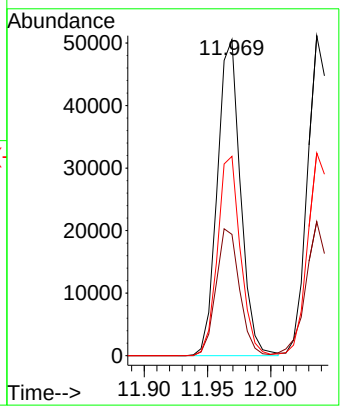


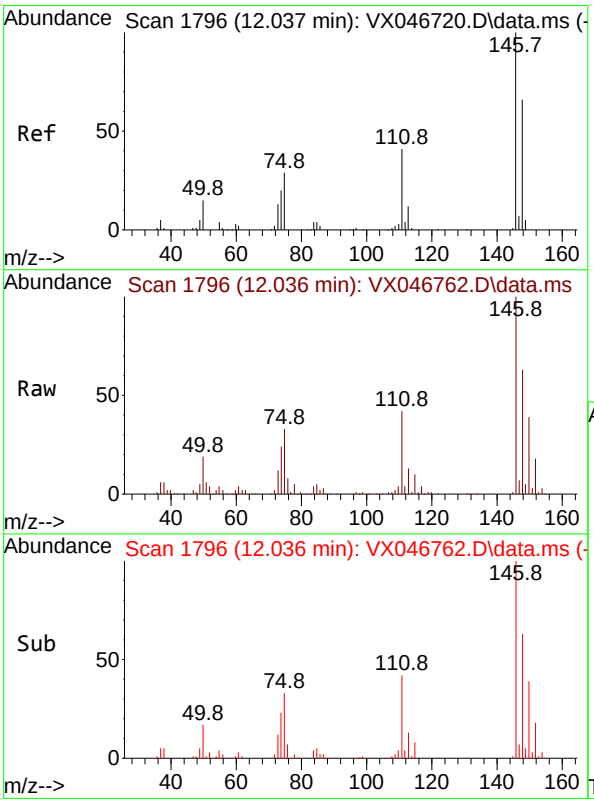

#87
1,3-Dichlorobenzene
Concen: 17.788 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:146 Resp: 64330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 62.5 | 31.6 | 94.8 |

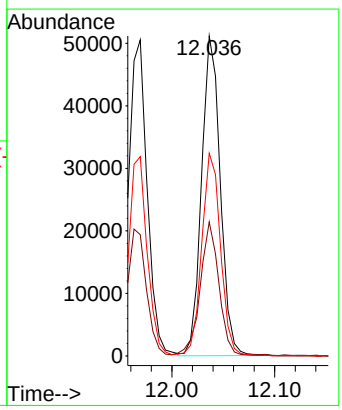


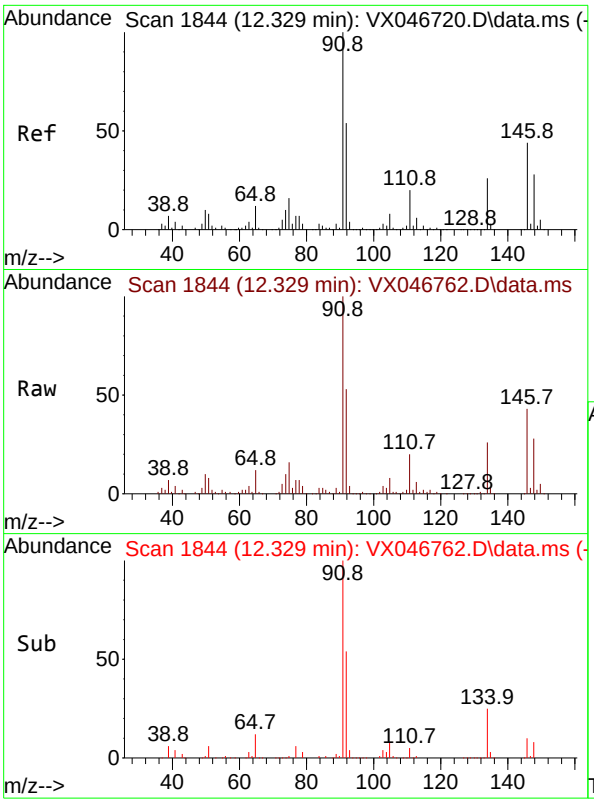




#88
1,4-Dichlorobenzene
Concen: 17.460 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:146 Resp: 64856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 20.3 | 61.0 |
| 148 | 64.0 | 32.1 | 96.5 |



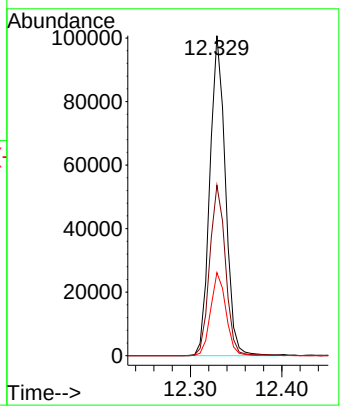


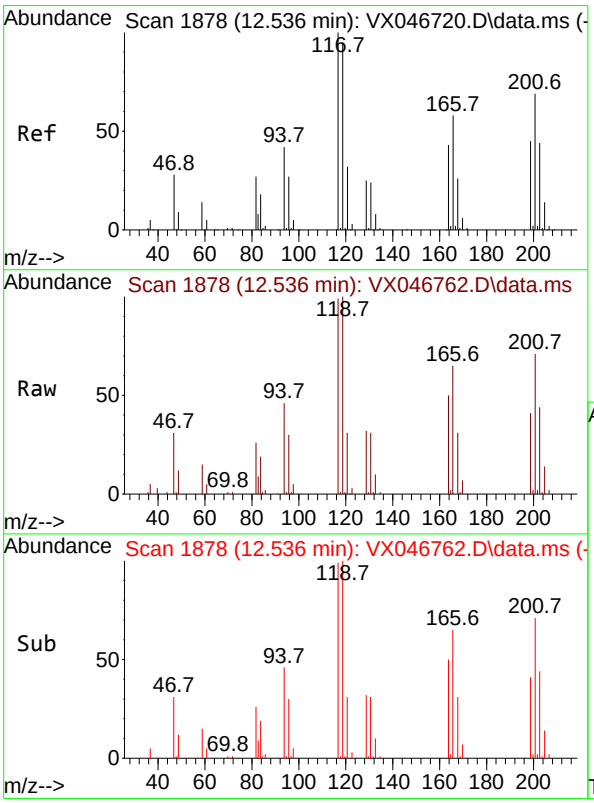

#89
n-Butylbenzene
Concen: 17.915 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion: 91 Resp: 118756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.0 | 27.1 | 81.3 |
| 134 | 25.7 | 12.9 | 38.6 |

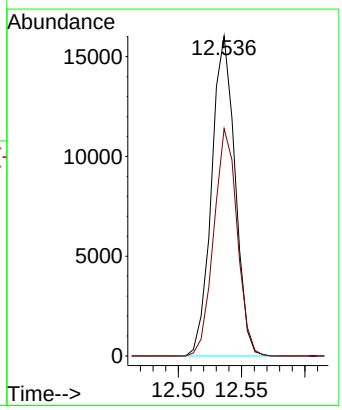


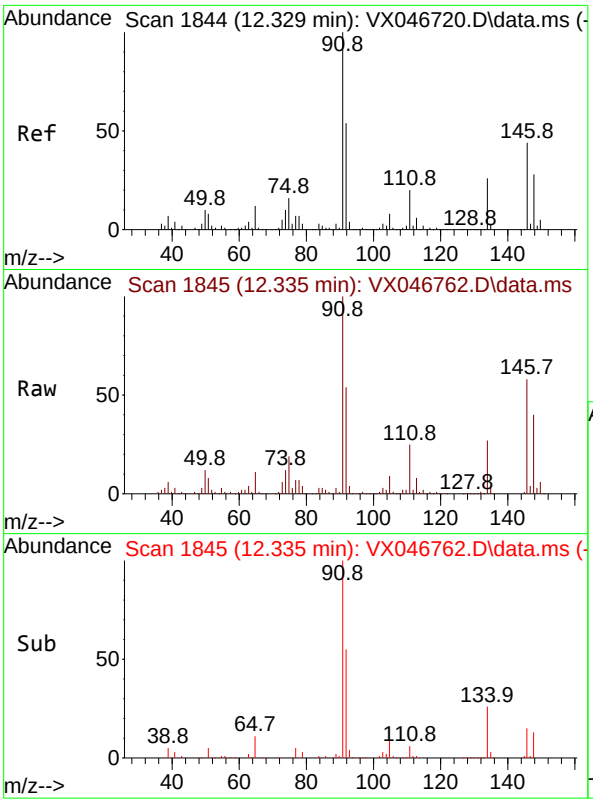




#90
Hexachloroethane
Concen: 16.893 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:117 Resp: 20652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |



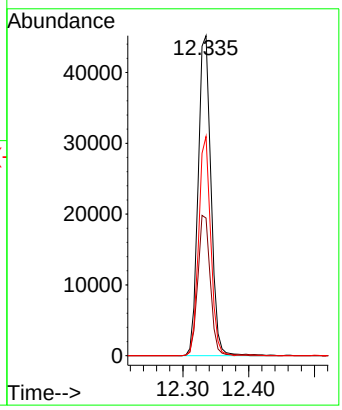


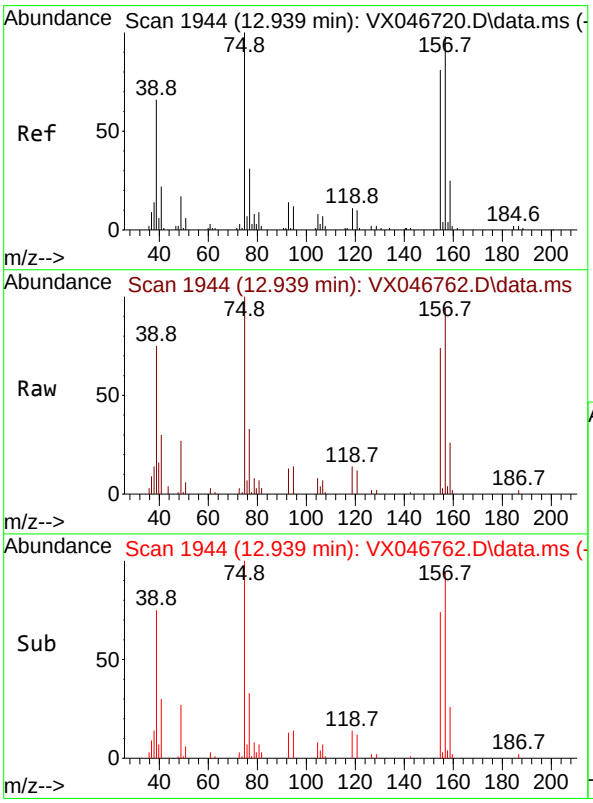

#91
1,2-Dichlorobenzene
Concen: 18.096 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:146 Resp: 61156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.7 | 65.1 |
| 148 | 64.4 | 32.0 | 96.2 |

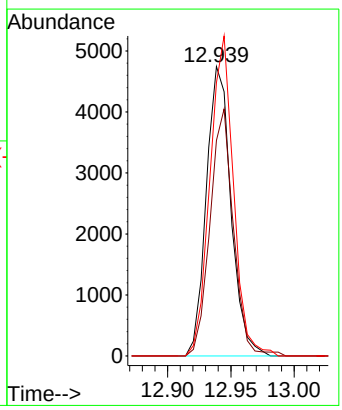


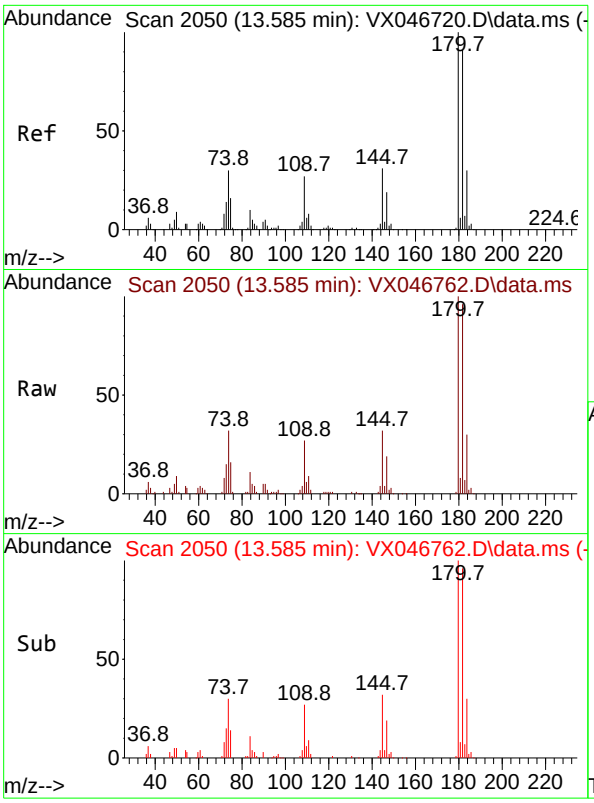




#92
1,2-Dibromo-3-Chloropropane
Concen: 15.122 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion: 75 Resp: 6425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.9 | 41.9 | 125.7 |
| 157 | 105.8 | 51.4 | 154.3 |



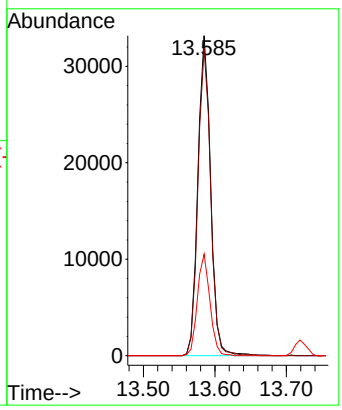


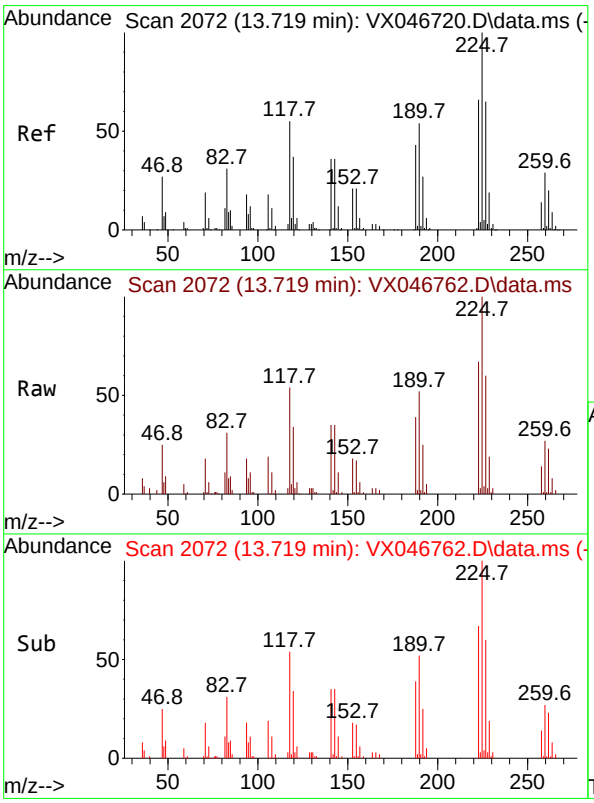

#93
1,2,4-Trichlorobenzene
Concen: 17.110 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:180 Resp: 41109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.7 | 140.1 |
| 145 | 31.1 | 15.8 | 47.4 |

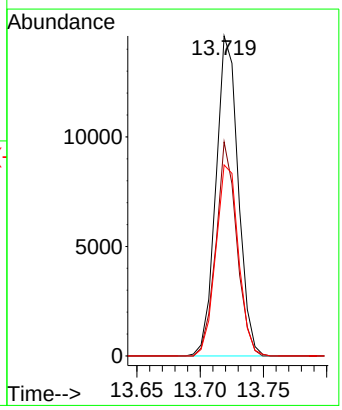


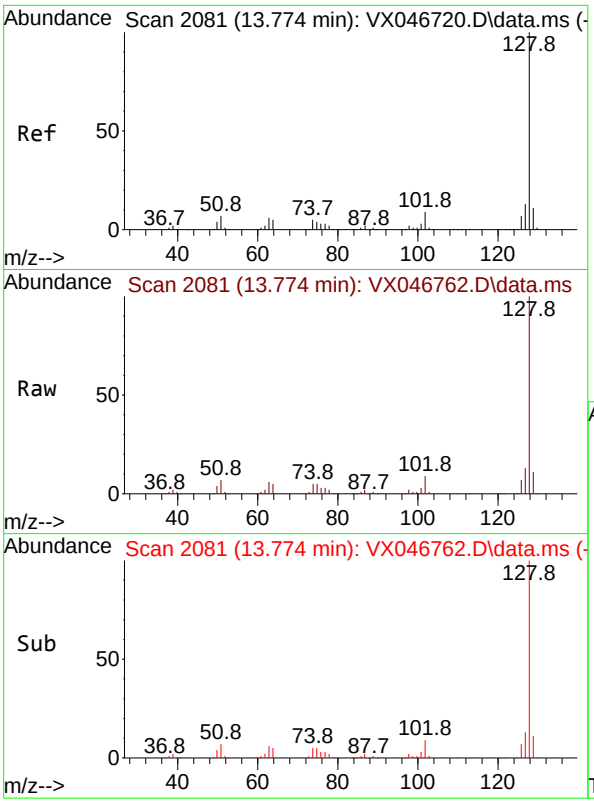




#94
Hexachlorobutadiene
Concen: 17.644 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:225 Resp: 17833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 32.5 | 97.5 |
| 227 | 61.1 | 32.2 | 96.6 |



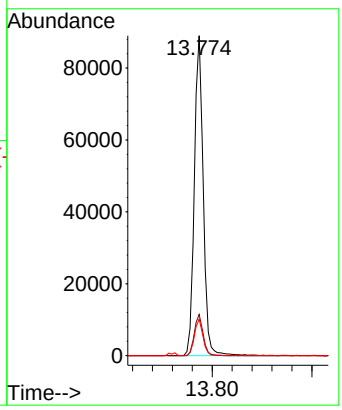


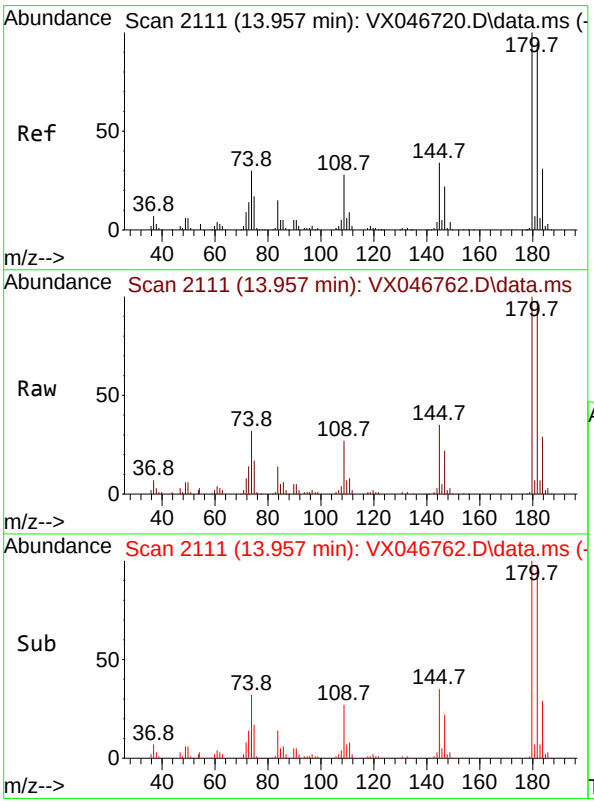

#95
Naphthalene
Concen: 16.144 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0619WBS01

Tgt Ion:128 Resp: 110507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.0 | 8.7 | 13.1 |

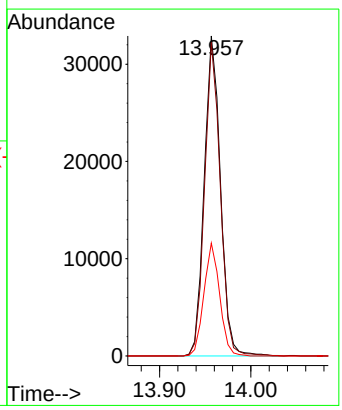



#96
1,2,3-Trichlorobenzene
Concen: 17.639 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046762.D
Acq: 19 Jun 2025 11:24

Tgt Ion:180 Resp: 40546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 47.8 | 143.4 |
| 145 | 34.2 | 17.3 | 51.9 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 129409 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 216626 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190720 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 95668 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 83815 | 46.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.660% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 69249 | 48.316 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.640% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 246552 | 47.880 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93266 | 48.588 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.180% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 74095 | 53.629 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 77768 | 52.149 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 85590 | 53.822 | ug/l | 98 |
| 5) Bromomethane | 1.618 | 94 | 49377 | 55.188 | ug/l | 95 |
| 6) Chloroethane | 1.703 | 64 | 53474 | 55.480 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 127152 | 52.659 | ug/l | 99 |
| 8) Diethyl Ether | 2.148 | 74 | 44616 | 53.840 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 79479 | 53.654 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 85230 | 46.314 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 35007 | 217.898 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 76619 | 53.603 | ug/l | 98 |
| 13) Acrolein | 2.245 | 56 | 69969 | 298.999 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 137304 | 53.017 | ug/l | 98 |
| 15) Acrylonitrile | 3.075 | 53 | 185932 | 257.376 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 144349 | 241.828 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 205491 | 47.607 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 78667 | 51.889 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 225140 | 50.585 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 83440 | 50.266 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 79204 | 51.786 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 270205 | 54.281 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 1055978 | 266.763 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 148012 | 52.369 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 216354 | 256.282 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 106712 | 51.768 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 94359 | 52.513 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 66329 | 51.765 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 139493 | 255.819 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 149506 | 52.894 | ug/l | 95 |
| 31) Cyclohexane | 5.477 | 56 | 137290 | 51.222 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 125889 | 50.784 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 105895 | 51.182 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 92088 | 48.219 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111211 | 49.529 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 139618 | 51.281 | ug/l | 99 |
| 40) Benzene | 6.050 | 78 | 318931 | 52.086 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 55058 | 54.078 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 109435 | 50.860 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 151380 | 50.655 | ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 79977 | 51.252 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 78602 | 51.797 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 54750 | 50.201 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 114561 | 51.475 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 80176 | 53.494 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 19434 | 894.415 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 453562 | 254.472 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 195403 | 51.477 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 106195 | 51.427 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 122494 | 52.254 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 73528 | 51.978 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109987 | 52.671 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 125247 | 51.414 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 321699 | 296.571 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 310545 | 252.021 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 85854 | 51.500 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 73504 | 51.083 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 66307 | 50.181 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 216318 | 51.382 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 72835 | 51.476 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 380469 | 51.722 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 284342 | 103.739 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 136531 | 53.151 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 238877 | 53.139 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54055 | 50.164 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 364838 | 51.780 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 134737 | 50.472 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 100156 | 50.908 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 105868 | 60.421 | ug/l | | 93 |
| 77) Bromobenzene | 11.195 | 156 | 87850 | 51.813 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 432963 | 51.735 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 249407 | 49.914 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 298594 | 51.570 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29148 | 47.021 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 293281 | 50.293 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 304194 | 50.825 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 302076 | 51.927 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 387895 | 51.281 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 325914 | 51.067 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 162851 | 49.259 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 161313 | 47.505 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 308844 | 50.967 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 54659 | 48.908 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 154918 | 50.145 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18542 | 47.738 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 109313 | 49.769 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 45830 | 49.603 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 313462 | 50.093 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 105543 | 50.228 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

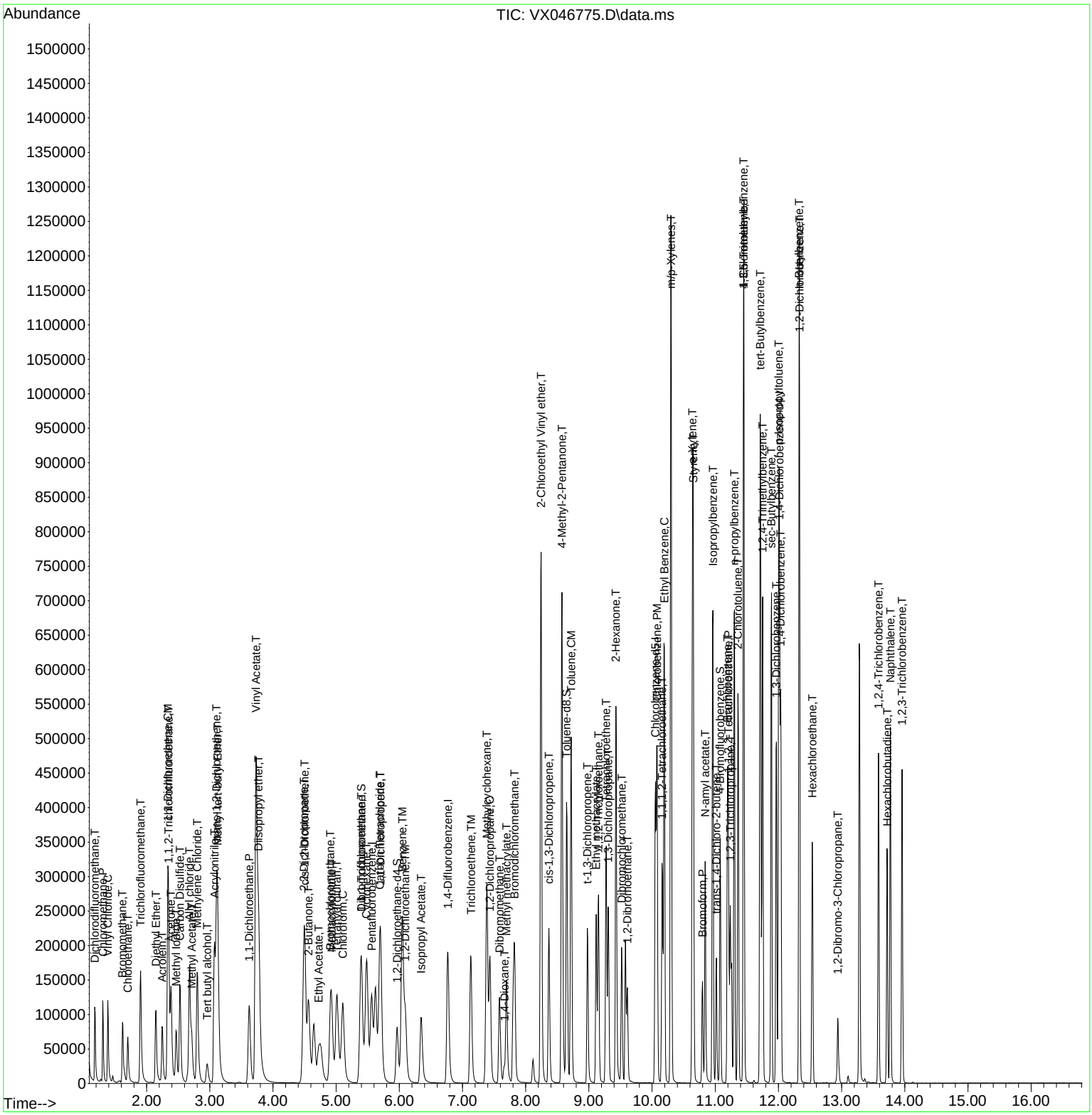
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

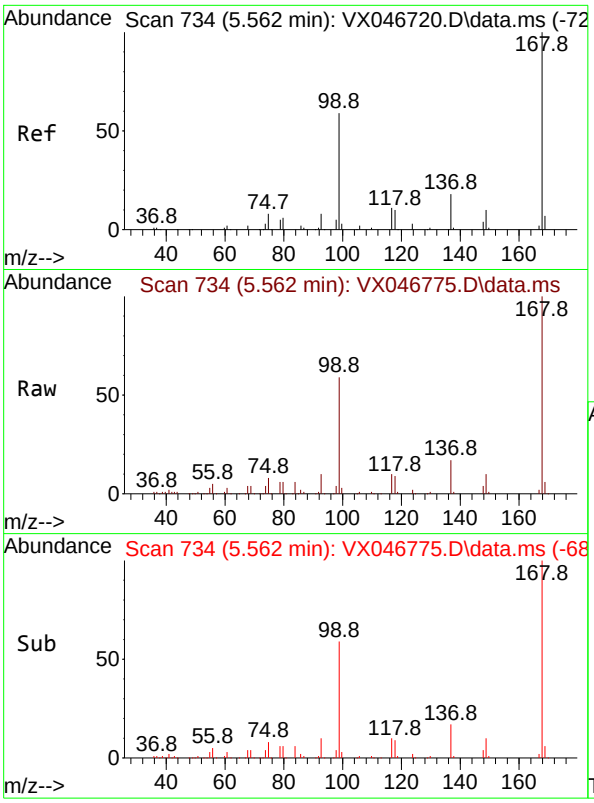
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
Data File : VX046775.D
Acq On : 19 Jun 2025 17:10
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Jun 20 05:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



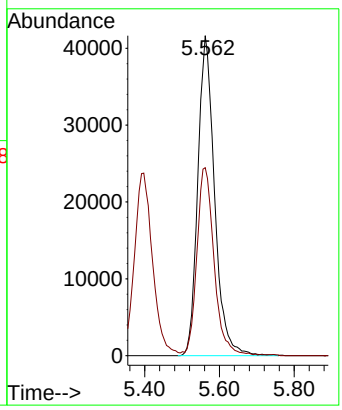


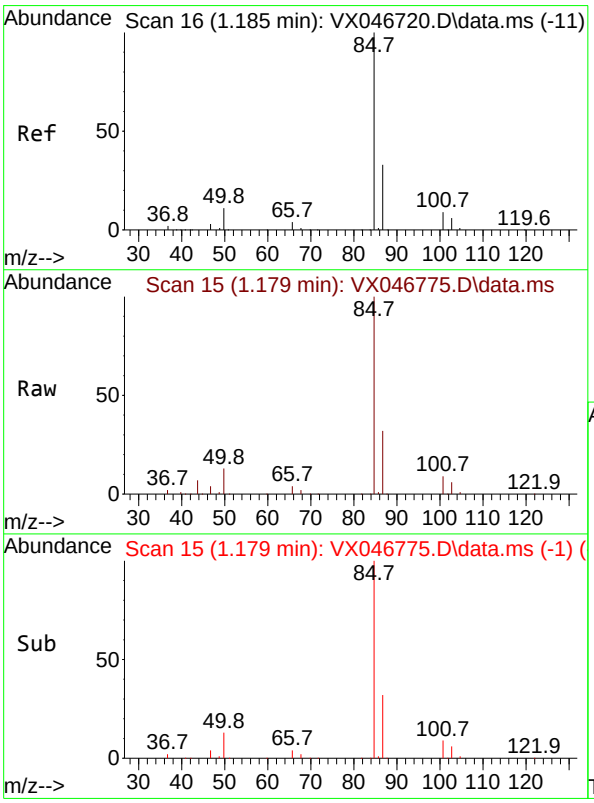

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 129409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.5 | 48.5 | 72.7 |

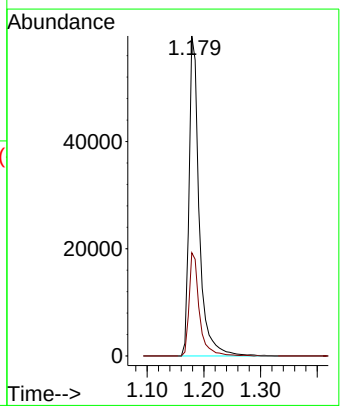


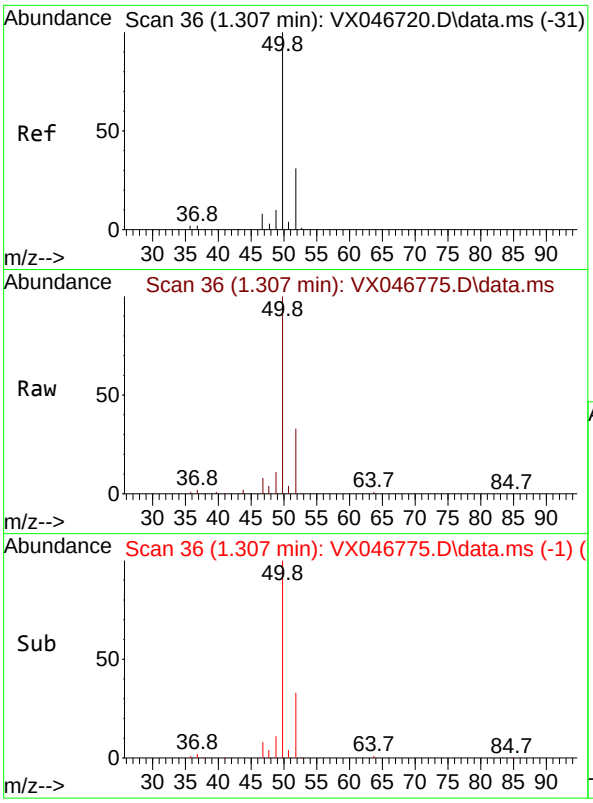




#2
Dichlorodifluoromethane
Concen: 53.629 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 85 Resp: 74095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 16.6 | 49.8 |



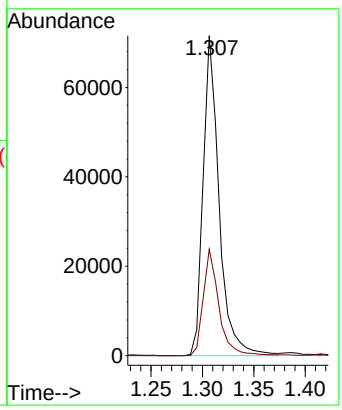


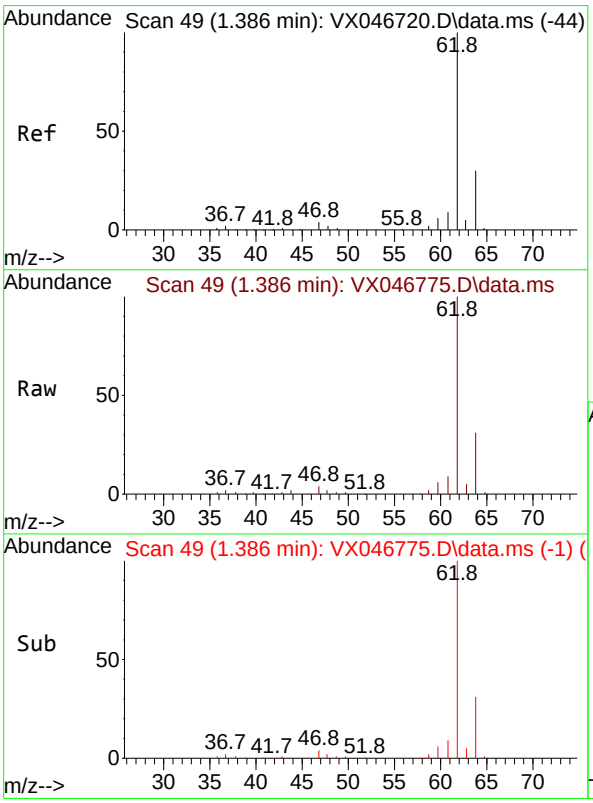

#3
Chloromethane
Concen: 52.149 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 77768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 24.9 | 37.3 |

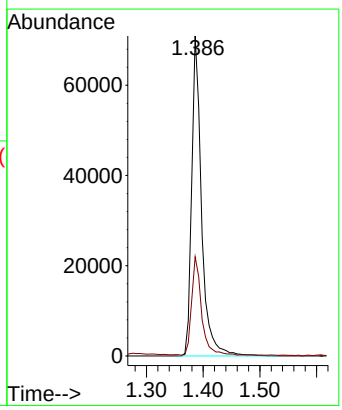


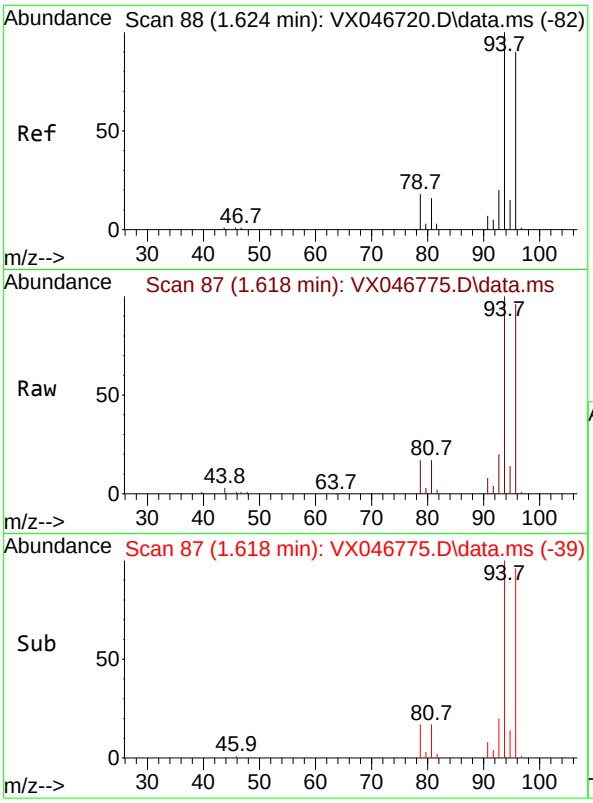




#4
Vinyl Chloride
Concen: 53.822 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 62 Resp: 85590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 23.9 | 35.9 |



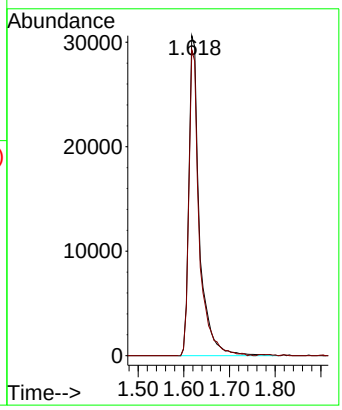


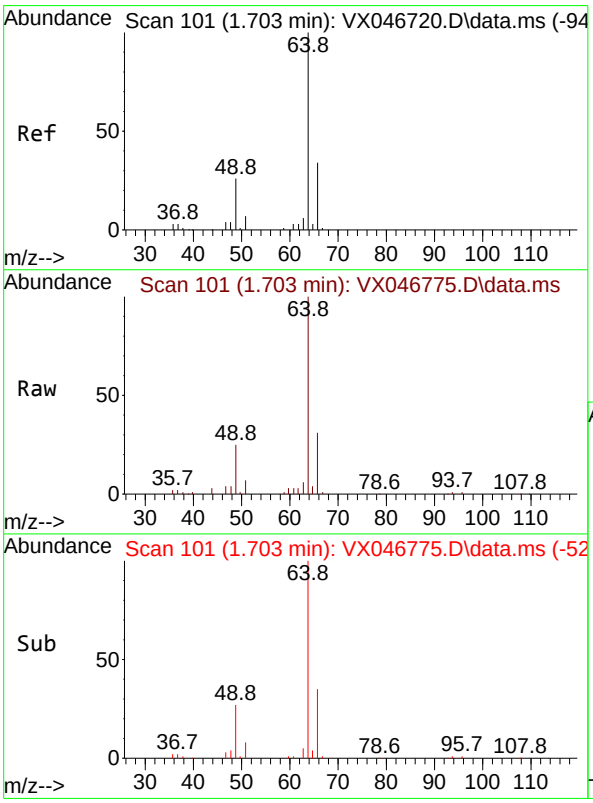

#5
Bromomethane
Concen: 55.188 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 49377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 72.3 | 108.5 |

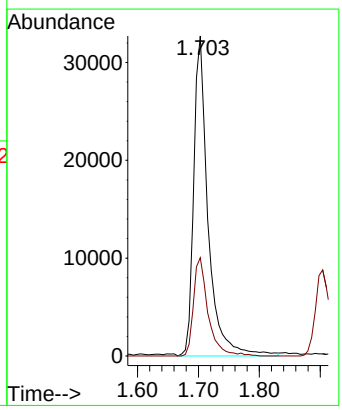


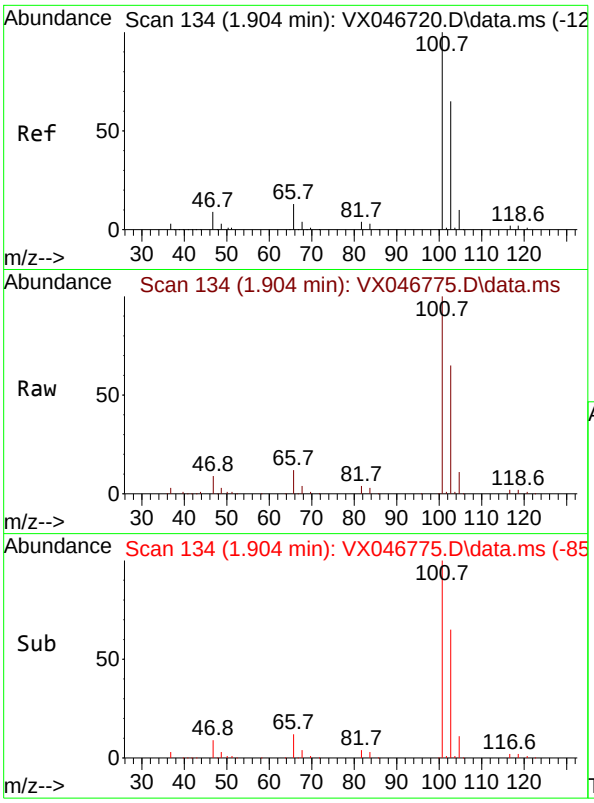




#6
Chloroethane
Concen: 55.480 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 64 Resp: 53474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 27.1 | 40.7 |



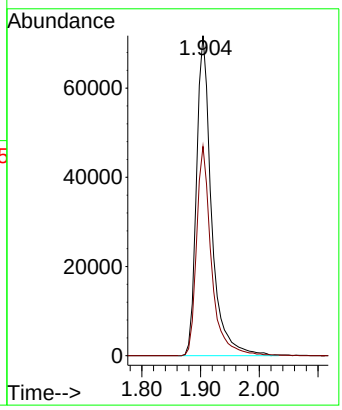


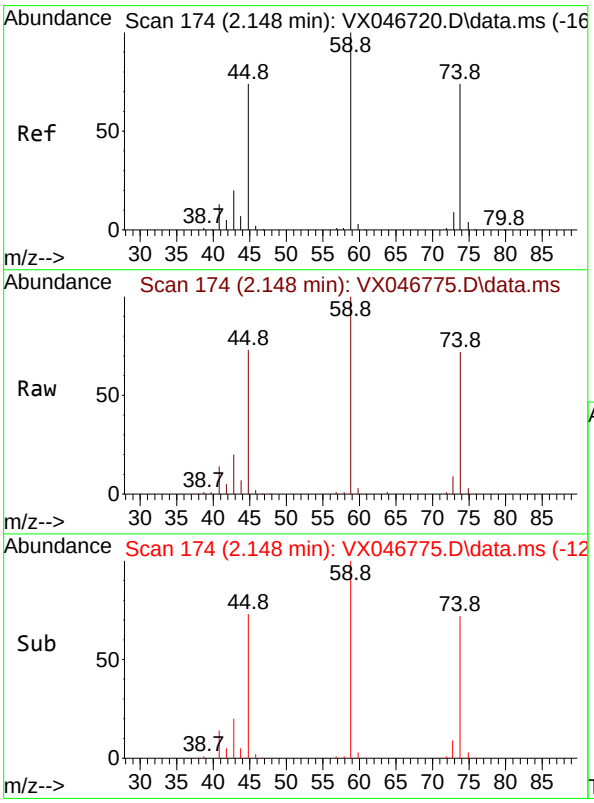

#7
Trichlorofluoromethane
Concen: 52.659 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 127152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.8 | 77.8 |

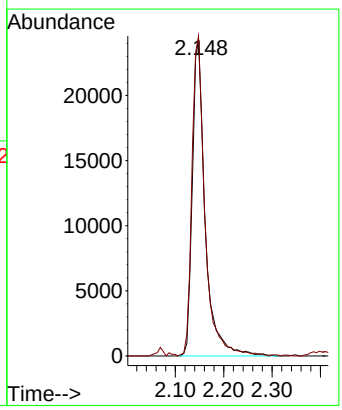


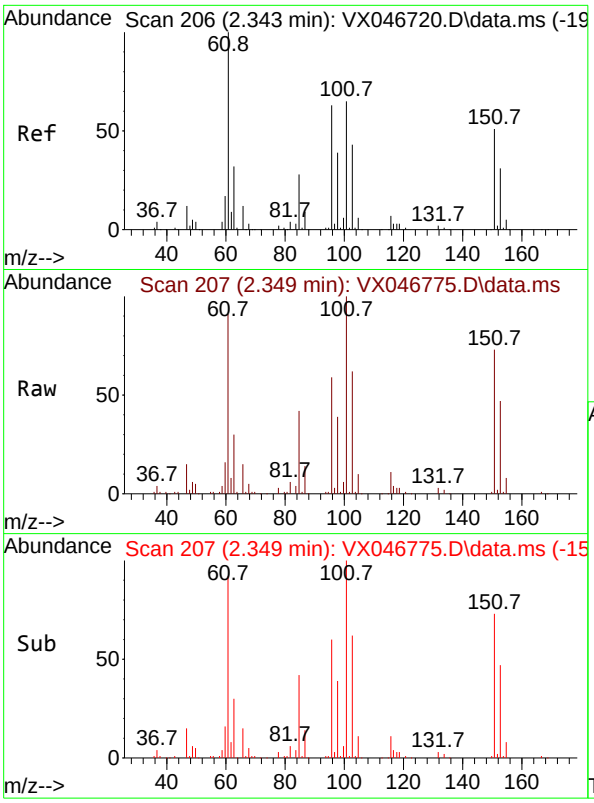




#8
Diethyl Ether
Concen: 53.840 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 74 Resp: 44616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.7 | 52.3 | 157.1 |



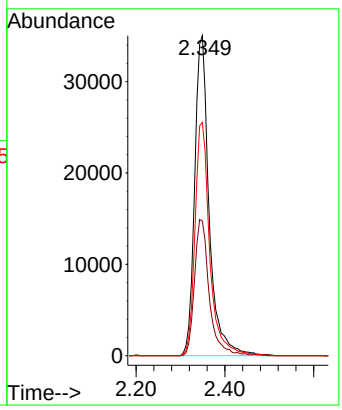


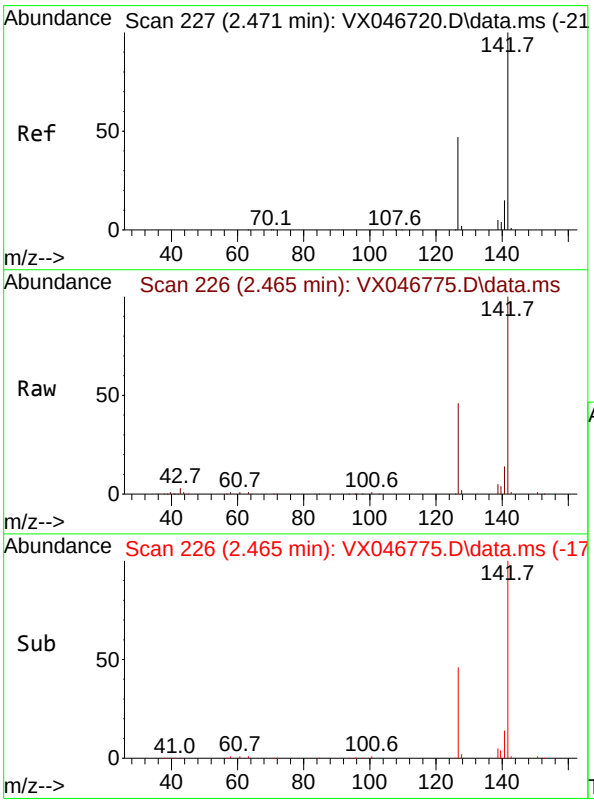

#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.654 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 79479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.2 | 35.4 | 53.0 |
| 151 | 74.1 | 61.2 | 91.8 |

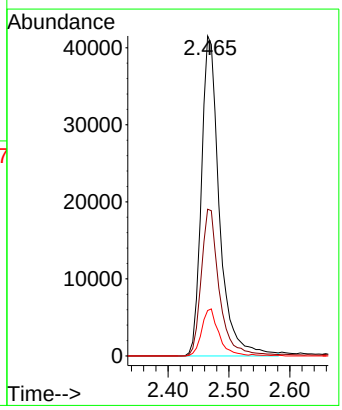


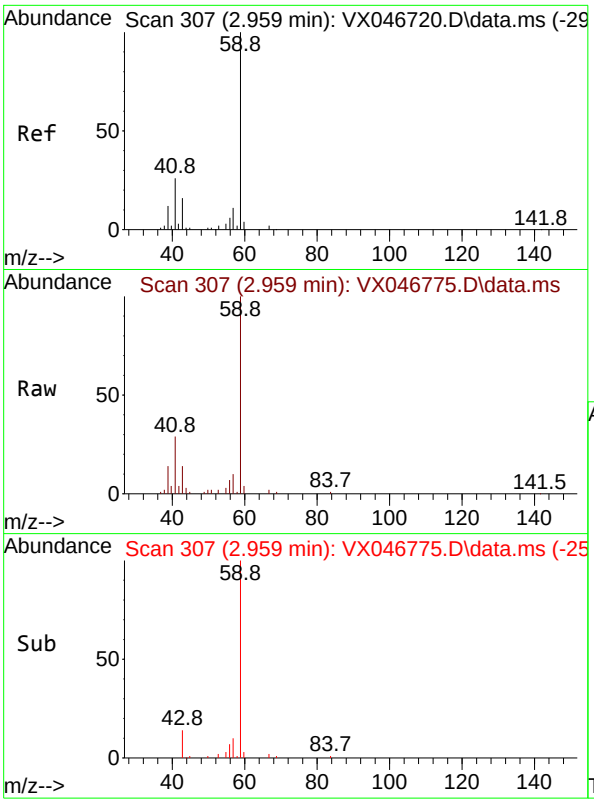




#10
Methyl Iodide
Concen: 46.314 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:142 Resp: 85230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.1 | 37.0 | 55.6 |
| 141 | 14.0 | 11.5 | 17.3 |



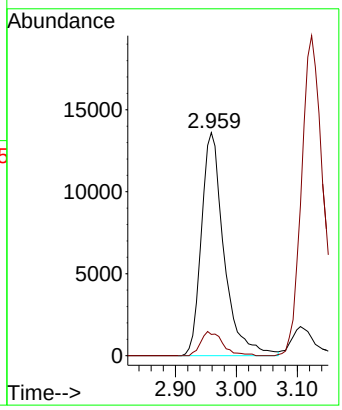


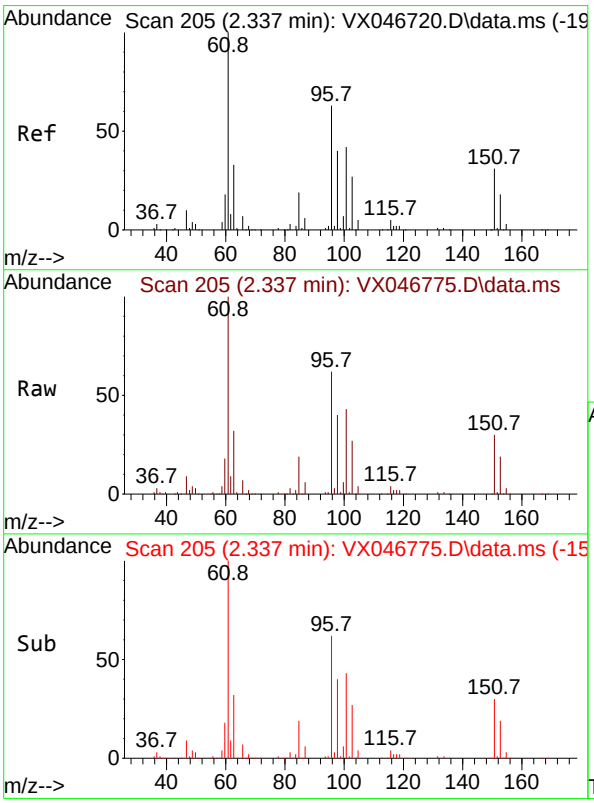

#11
Tert butyl alcohol
Concen: 217.898 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 35007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 8.3 | 12.5 |

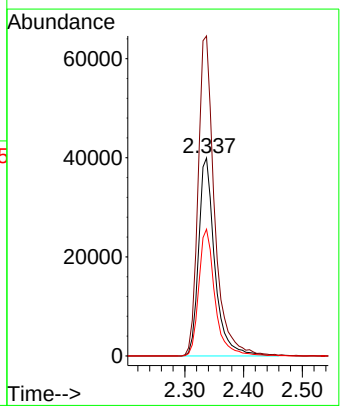


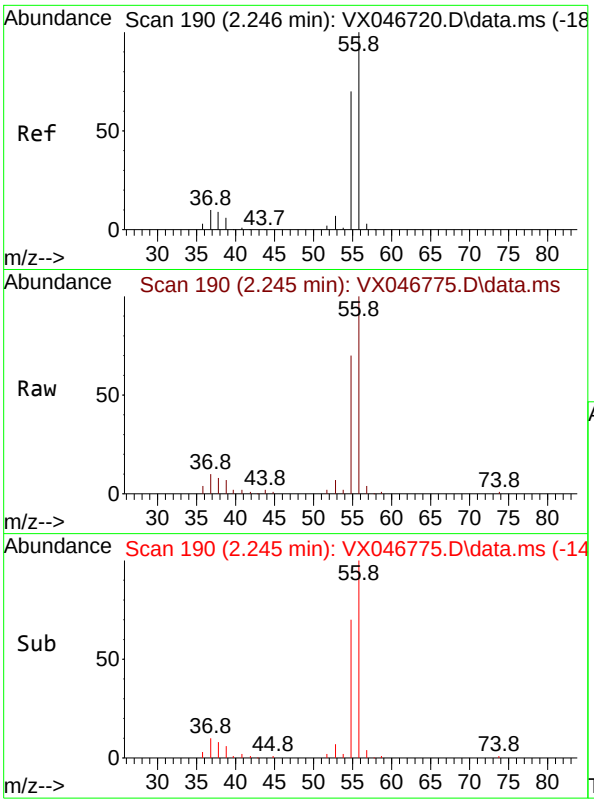




#12
1,1-Dichloroethene
Concen: 53.603 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 96 Resp: 76619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.7 | 126.6 | 189.8 |
| 98 | 64.0 | 50.7 | 76.1 |



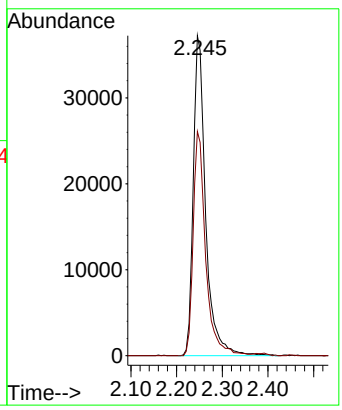


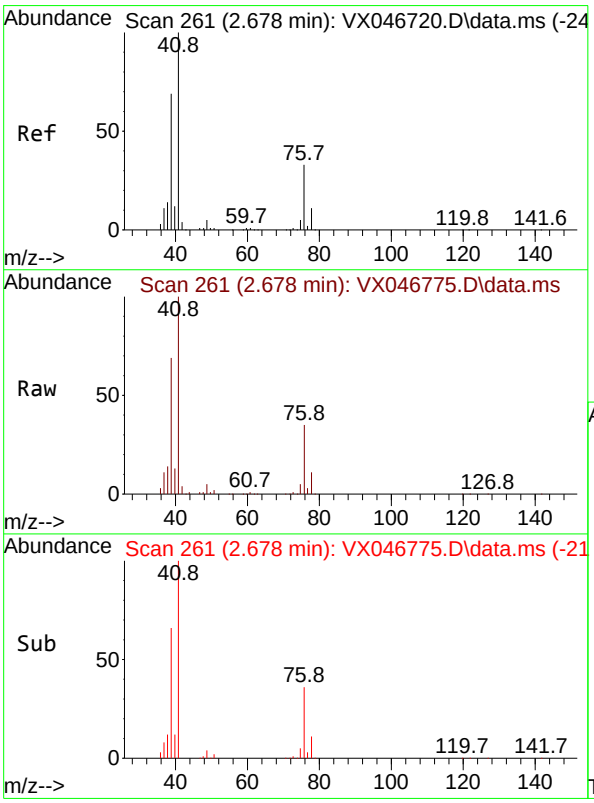

#13
Acrolein
Concen: 298.999 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 69969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.7 | 55.2 | 82.8 |

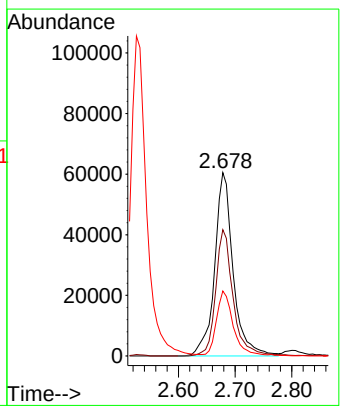


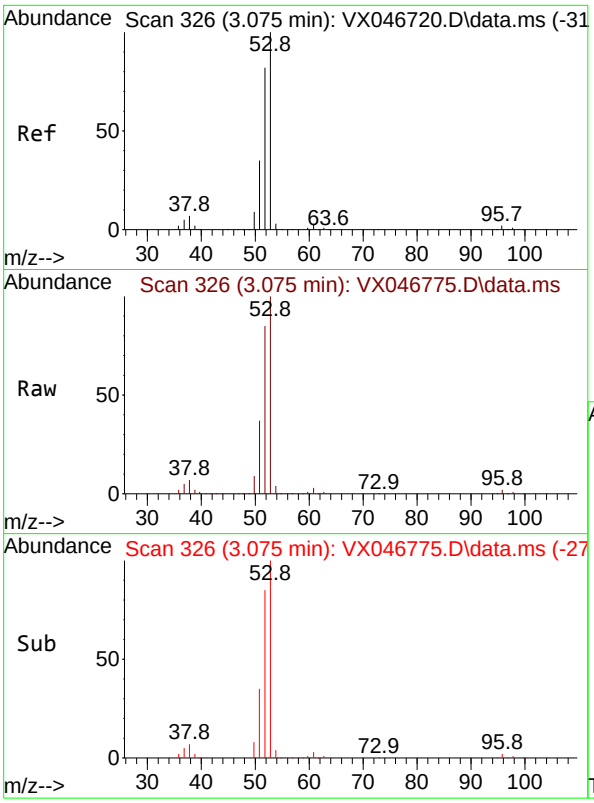




#14
Allyl chloride
Concen: 53.017 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 41 Resp: 137304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.0 | 53.6 | 80.4 |
| 76 | 32.3 | 26.8 | 40.2 |



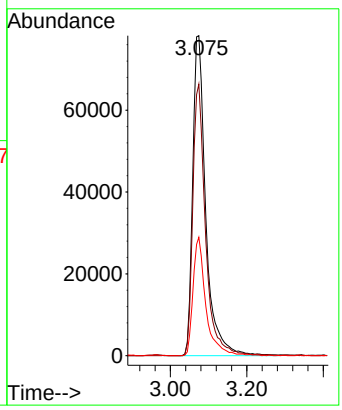


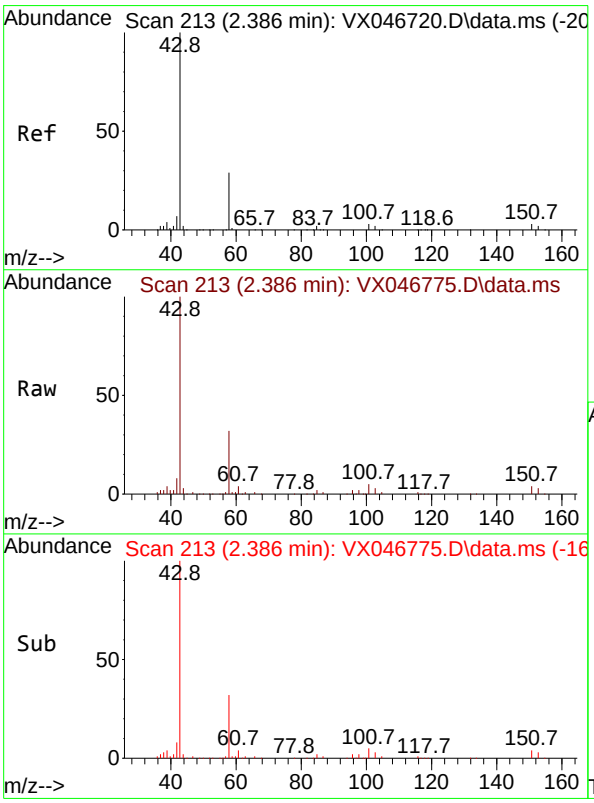

#15
Acrylonitrile
Concen: 257.376 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 185932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 65.1 | 97.7 |
| 51 | 36.4 | 28.9 | 43.3 |

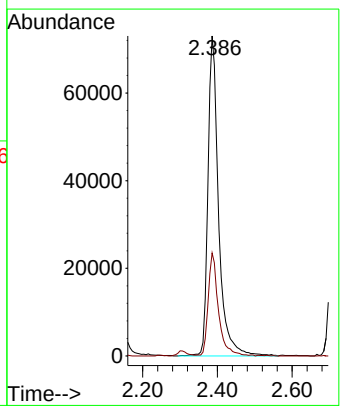


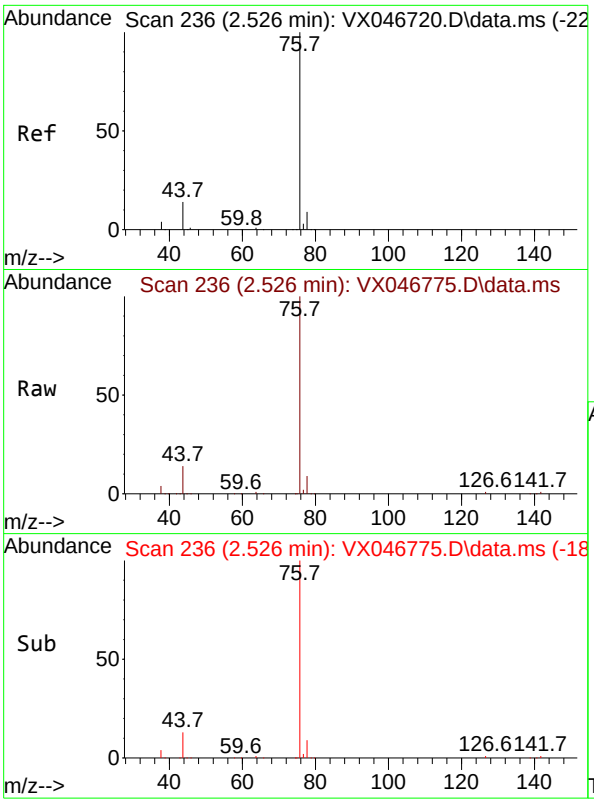




#16
Acetone
Concen: 241.828 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 144349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.3 | 24.5 | 36.7 |



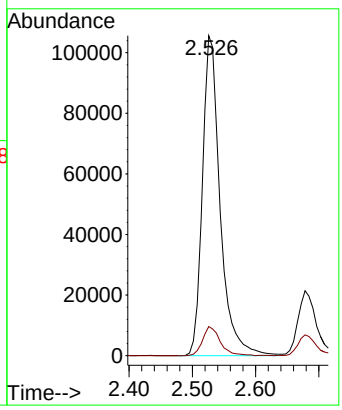


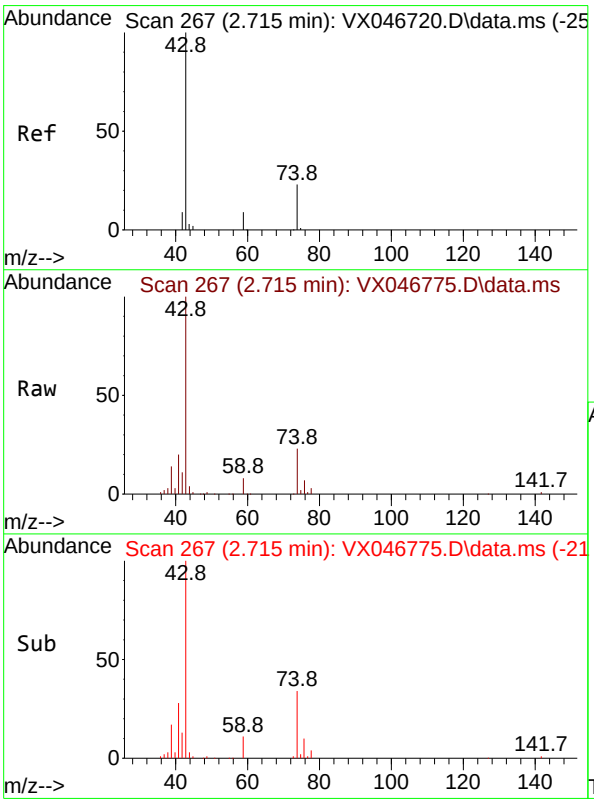

#17
Carbon Disulfide
Concen: 47.607 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 205491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.5 | 11.3 |

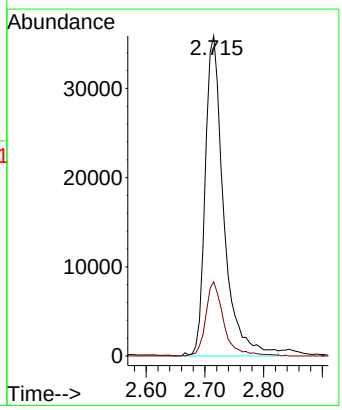


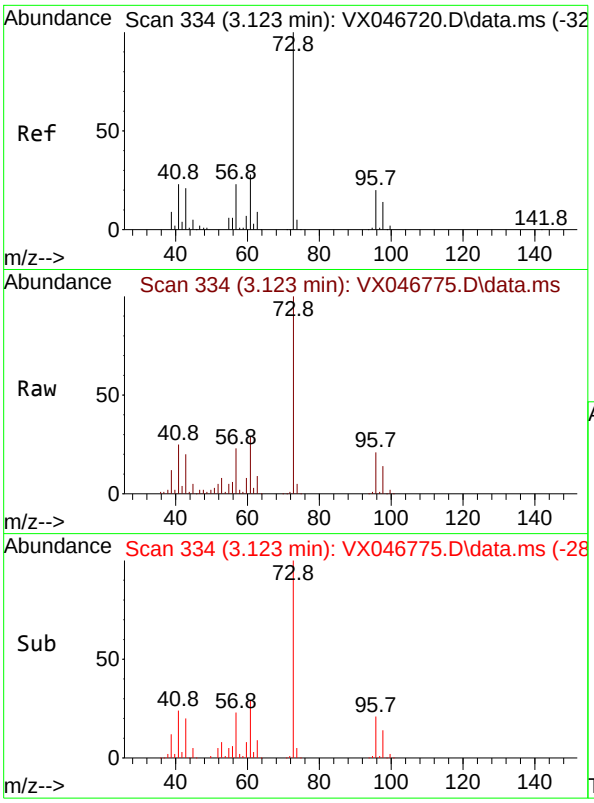




#18
Methyl Acetate
Concen: 51.889 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 78667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 18.4 | 27.6 |



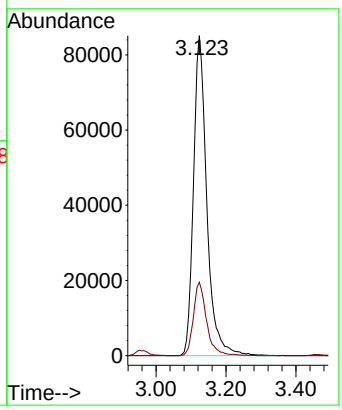


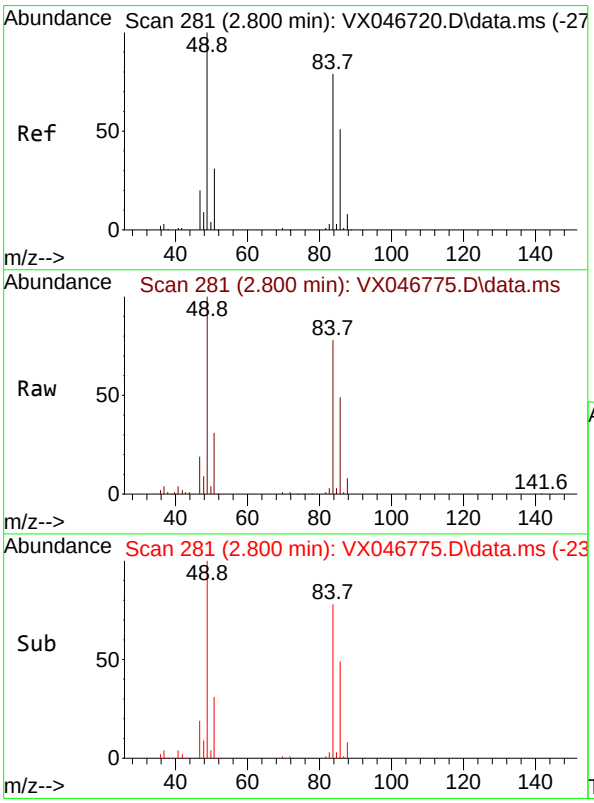

#19
Methyl tert-butyl Ether
Concen: 50.585 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 225140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.9 | 18.2 | 27.2 |

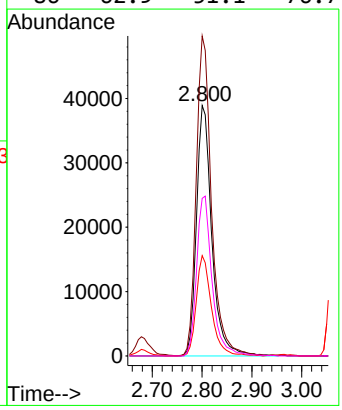


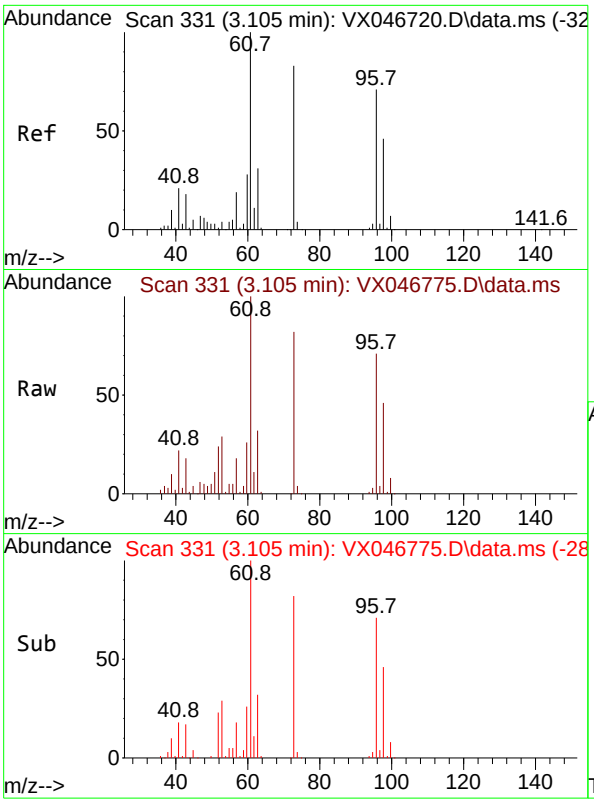




#20
Methylene Chloride
Concen: 50.266 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 84 Resp: 83440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 101.3 | 151.9 |
| 51 | 40.1 | 31.0 | 46.6 |
| 86 | 62.9 | 51.1 | 76.7 |



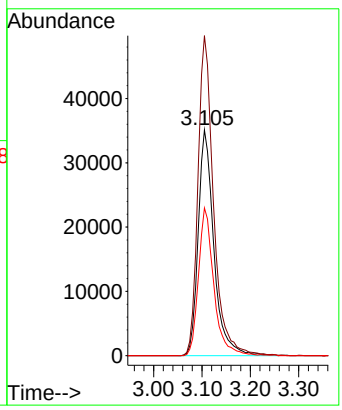


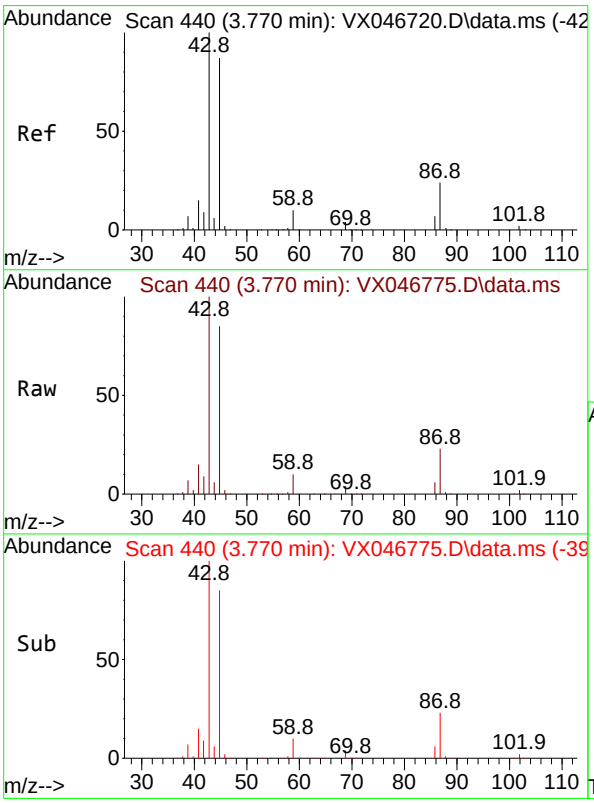

#21
trans-1,2-Dichloroethene
Concen: 51.786 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 79204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.7 | 112.5 | 168.7 |
| 98 | 65.4 | 51.9 | 77.9 |

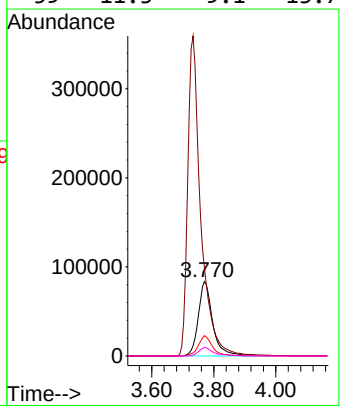


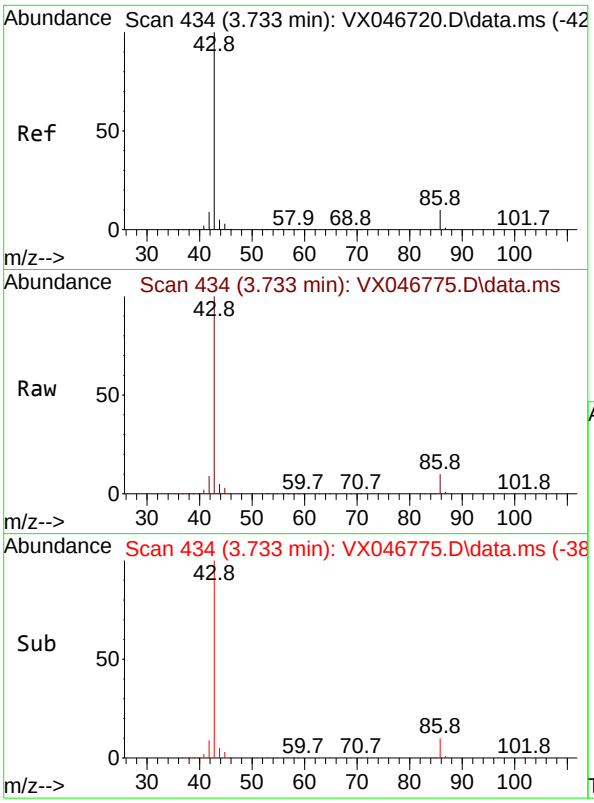




#22
Diisopropyl ether
Concen: 54.281 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 45 Resp: 270205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.8 | 91.9 | 137.9 |
| 87 | 27.3 | 22.0 | 33.0 |
| 59 | 11.3 | 9.1 | 13.7 |



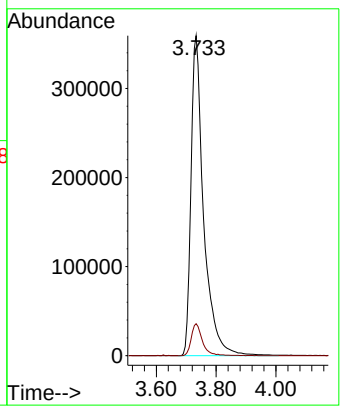


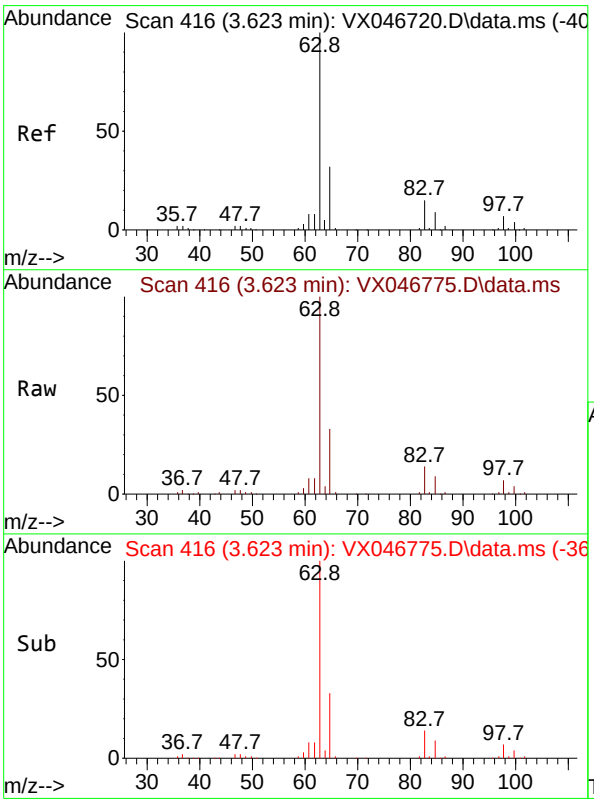

#23
Vinyl Acetate
Concen: 266.763 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1055978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 8.2 | 12.2 |

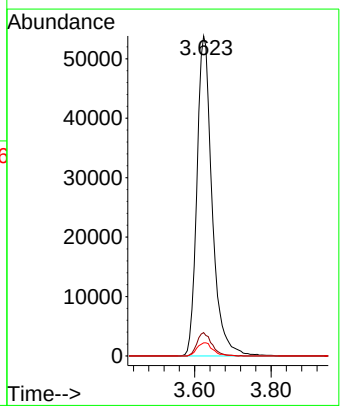


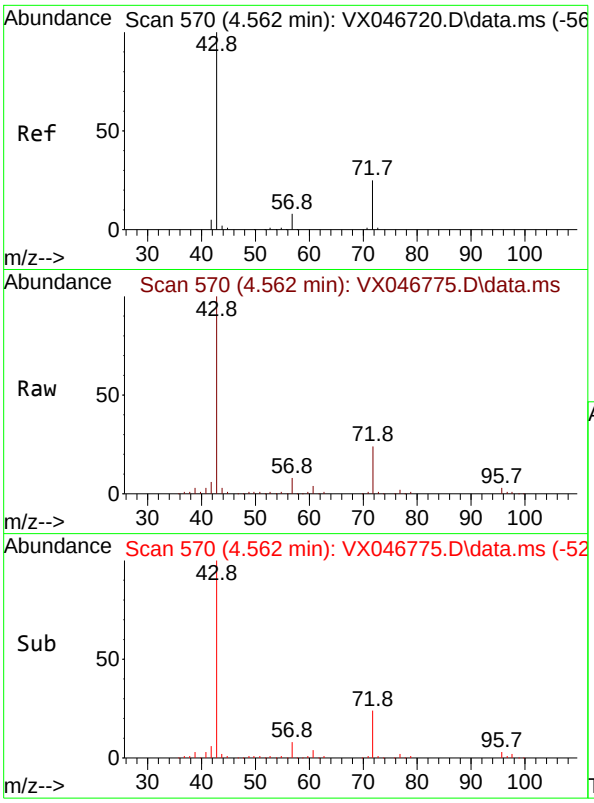




#24
1,1-Dichloroethane
Concen: 52.369 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 148012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 4.0 | 11.9 |
| 100 | 4.1 | 2.2 | 6.6 |



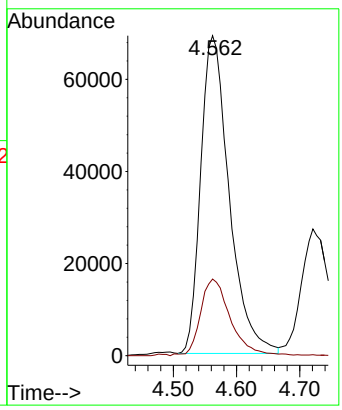


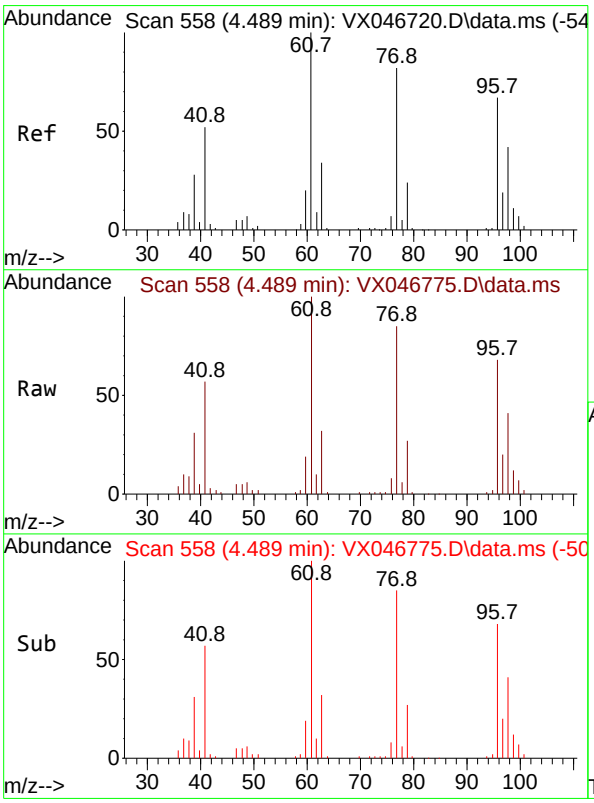

#25
2-Butanone
Concen: 256.282 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 216354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.7 | 20.2 | 30.4 |

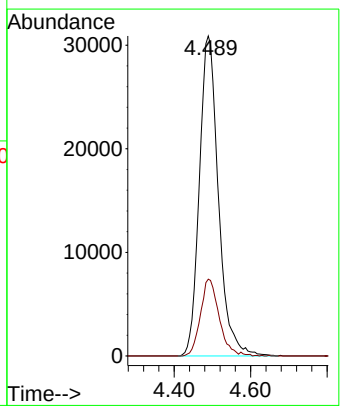


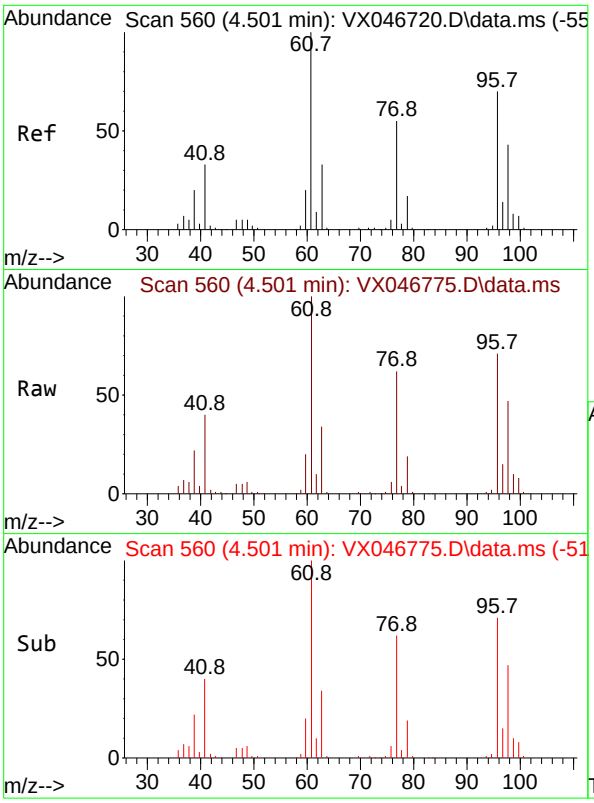




#26
2,2-Dichloropropane
Concen: 51.768 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 77 Resp: 106712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.6 | 11.8 | 35.3 |



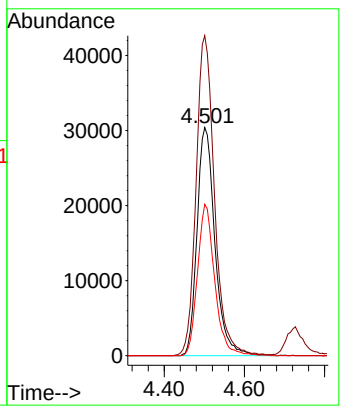


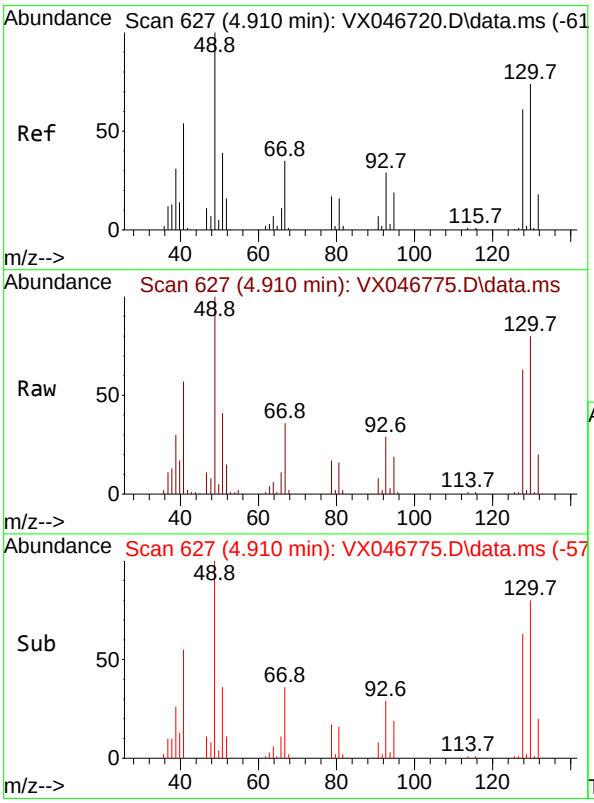

#27
cis-1,2-Dichloroethene
Concen: 52.513 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 94359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.7 | 0.0 | 291.0 |
| 98 | 63.9 | 0.0 | 126.8 |

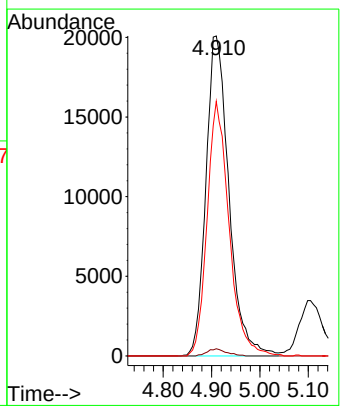


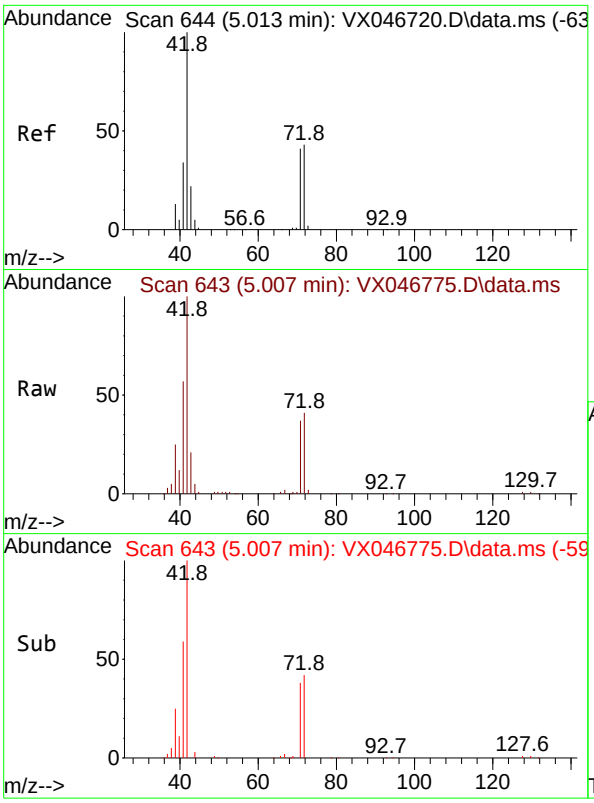




#28
Bromochloromethane
Concen: 51.765 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 49 Resp: 66329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.8 |
| 130 | 75.8 | 61.4 | 92.0 |



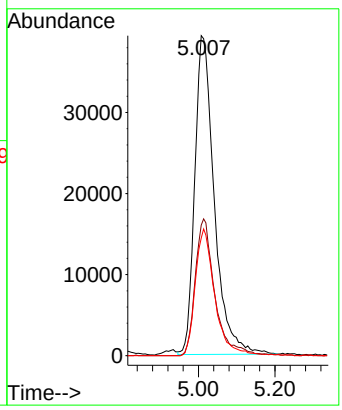


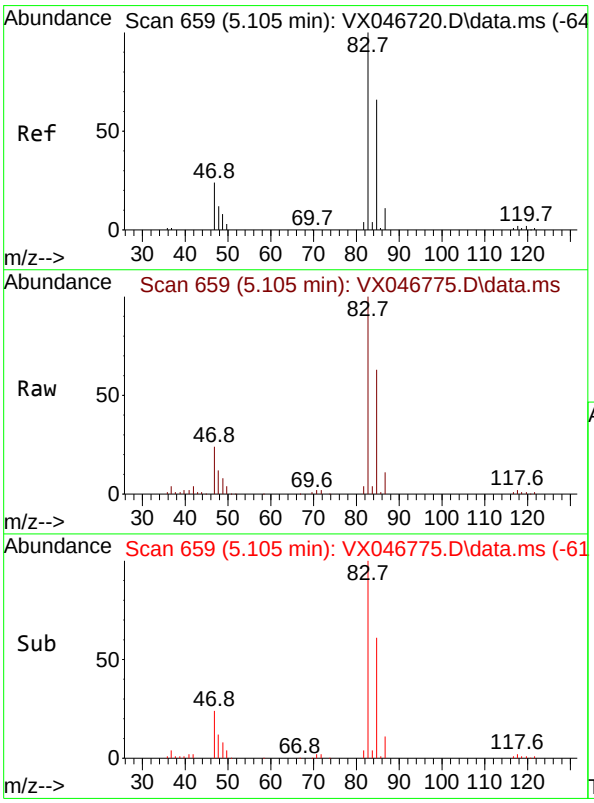

#29
Tetrahydrofuran
Concen: 255.819 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 139493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.9 | 52.3 |
| 71 | 39.6 | 32.2 | 48.2 |

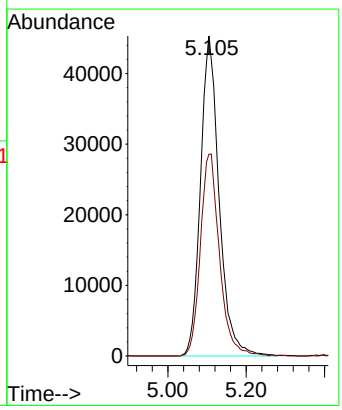


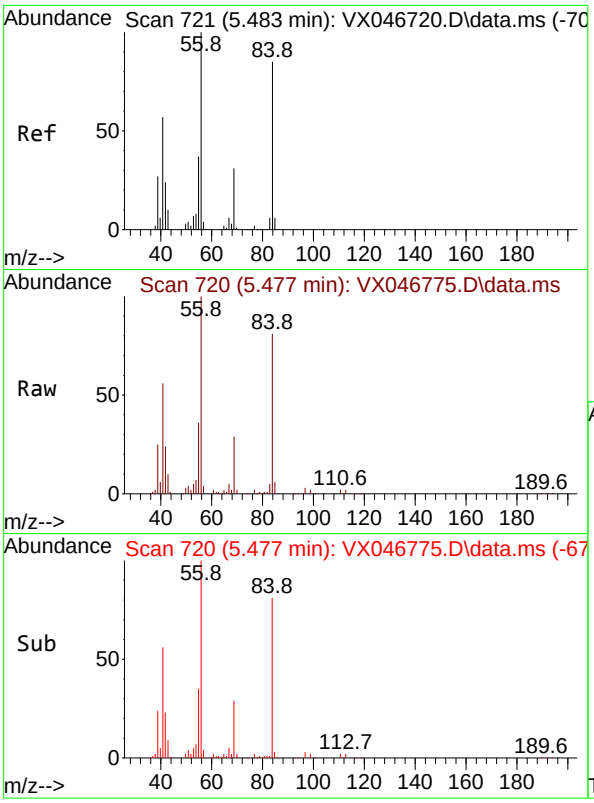




#30
Chloroform
Concen: 52.894 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 149506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 53.7 | 80.5 |



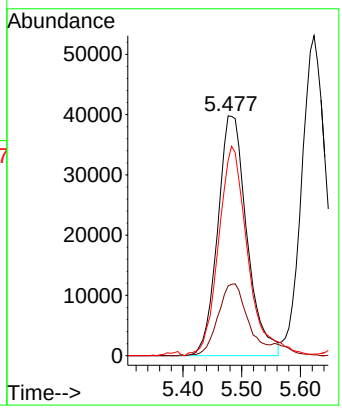


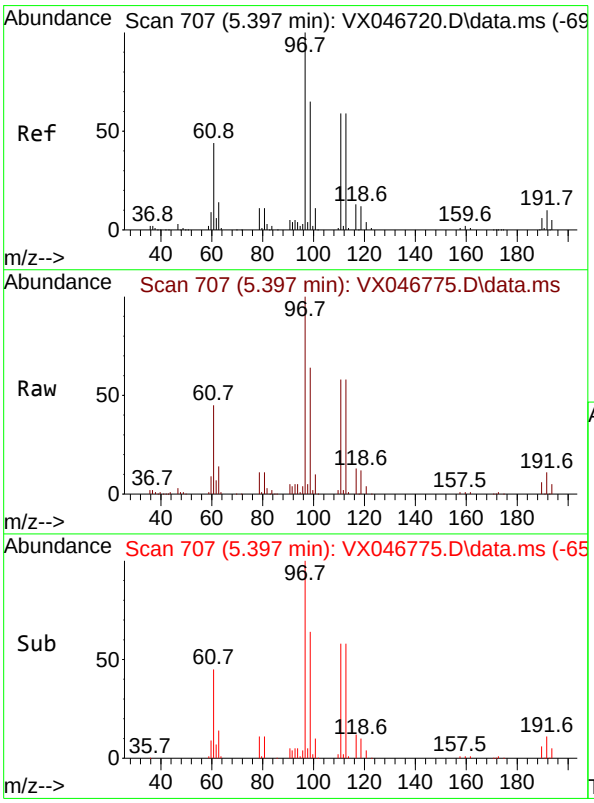

#31
Cyclohexane
Concen: 51.222 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 137290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.7 | 24.8 | 37.2 |
| 84 | 79.7 | 68.2 | 102.2 |

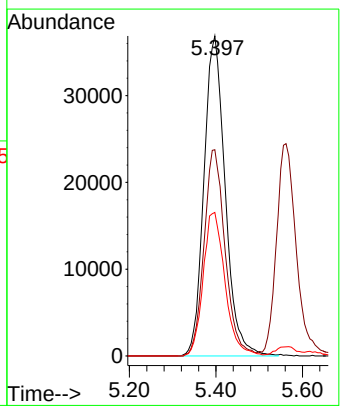


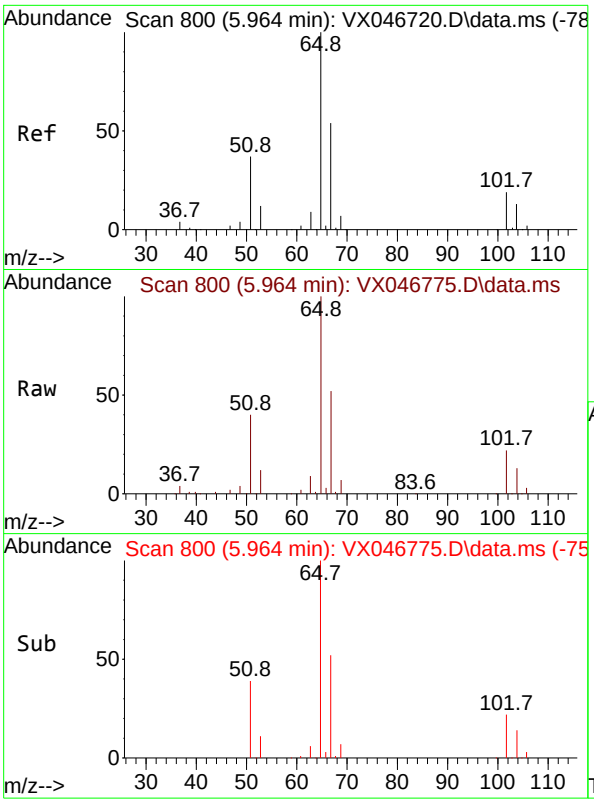




#32
1,1,1-Trichloroethane
Concen: 50.784 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 97 Resp: 125889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 51.3 | 76.9 |
| 61 | 46.1 | 36.4 | 54.6 |



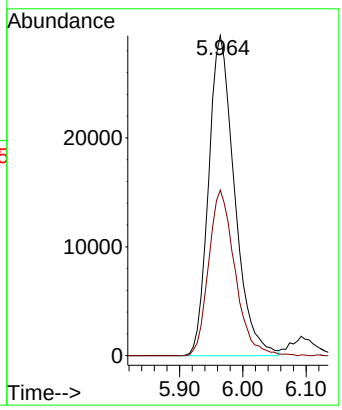


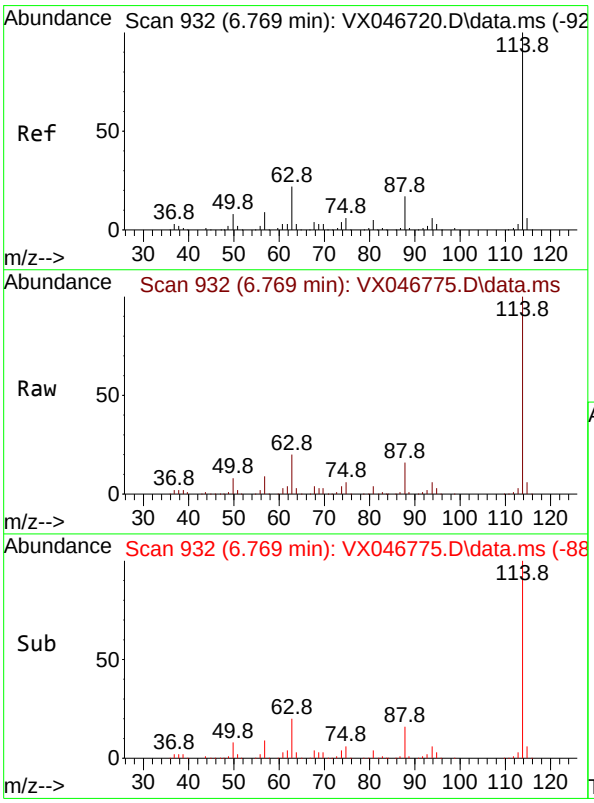

#33
1,2-Dichloroethane-d4
Concen: 46.825 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 83815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 105.4 |

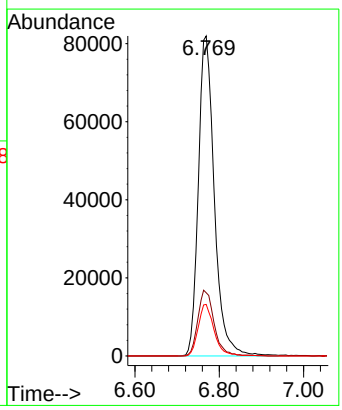


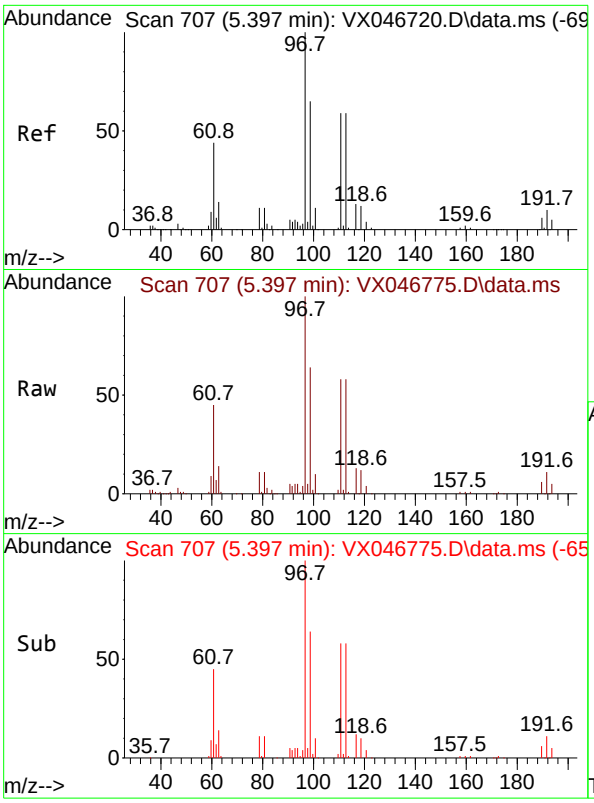




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:114 Resp: 216626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |



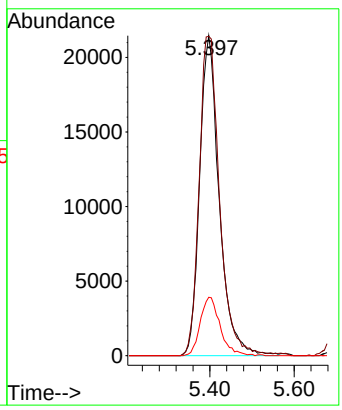


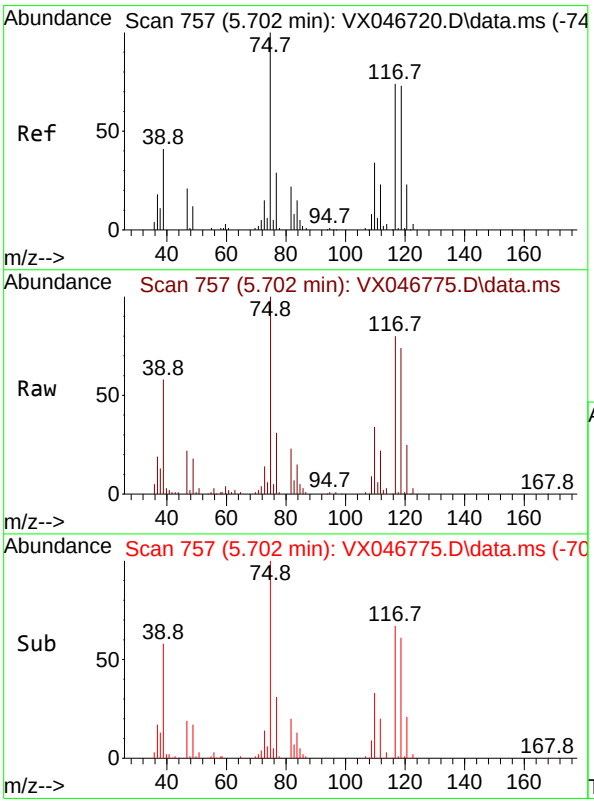

#35
Dibromofluoromethane
Concen: 48.316 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 69249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 82.0 | 123.0 |
| 192 | 18.5 | 15.3 | 22.9 |

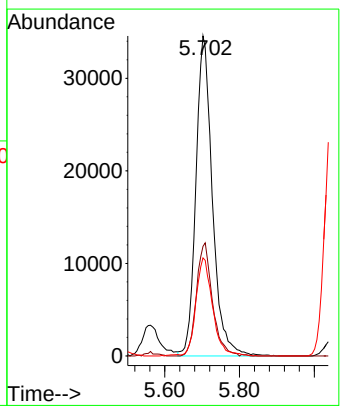


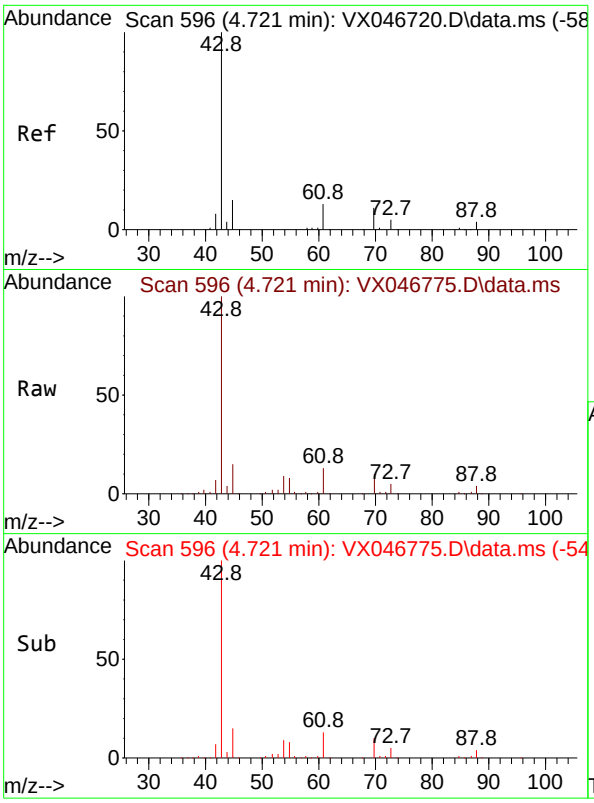




#36
1,1-Dichloropropene
Concen: 51.182 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 105895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 17.2 | 51.5 |
| 77 | 30.8 | 24.2 | 36.4 |



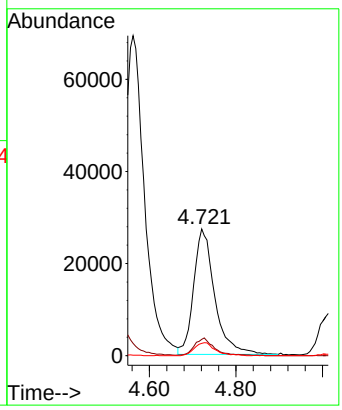


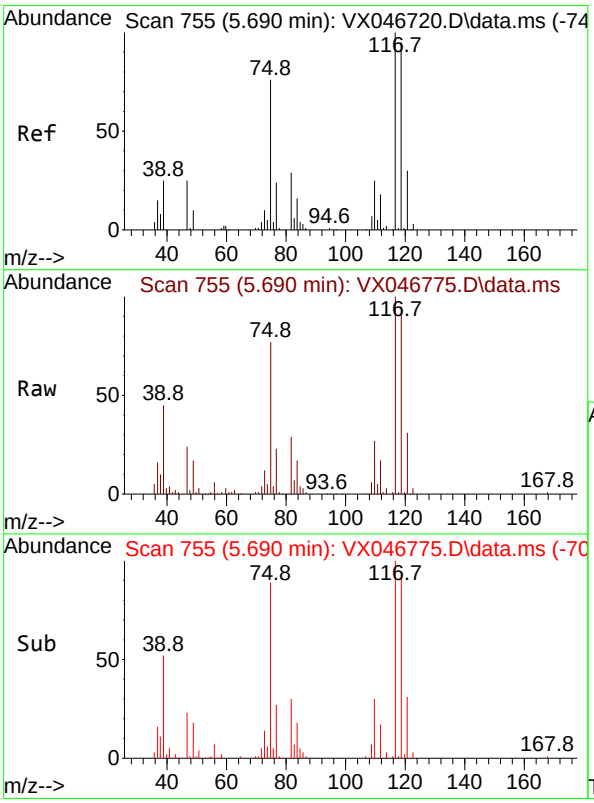

#37
Ethyl Acetate
Concen: 48.219 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 92088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 9.7 | 14.5 |
| 70 | 10.2 | 8.1 | 12.1 |

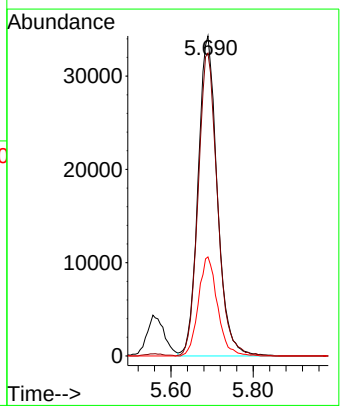


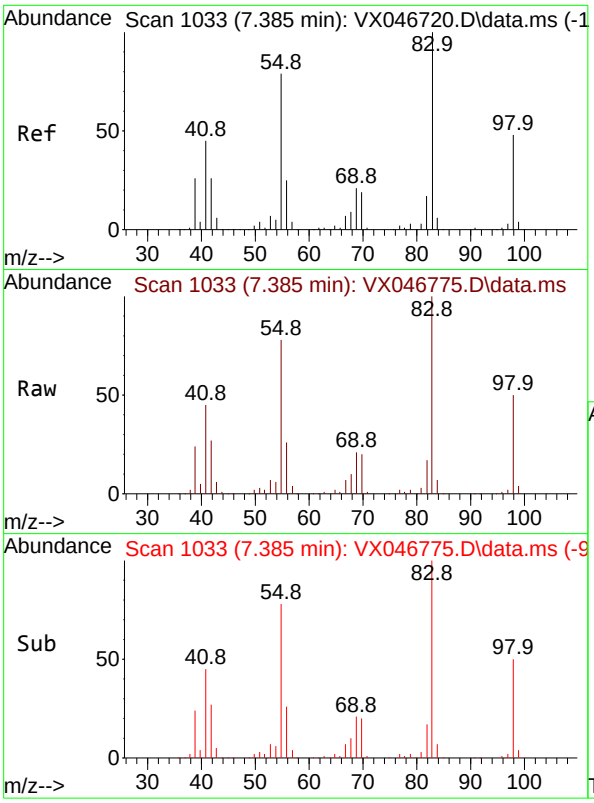




#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 111211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.2 | 112.8 |
| 121 | 30.9 | 24.1 | 36.1 |



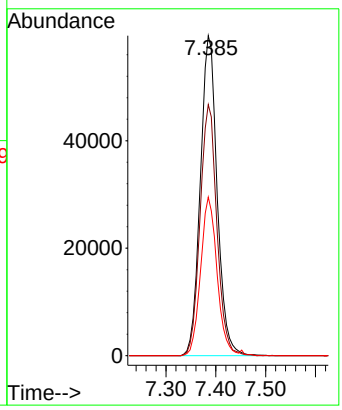


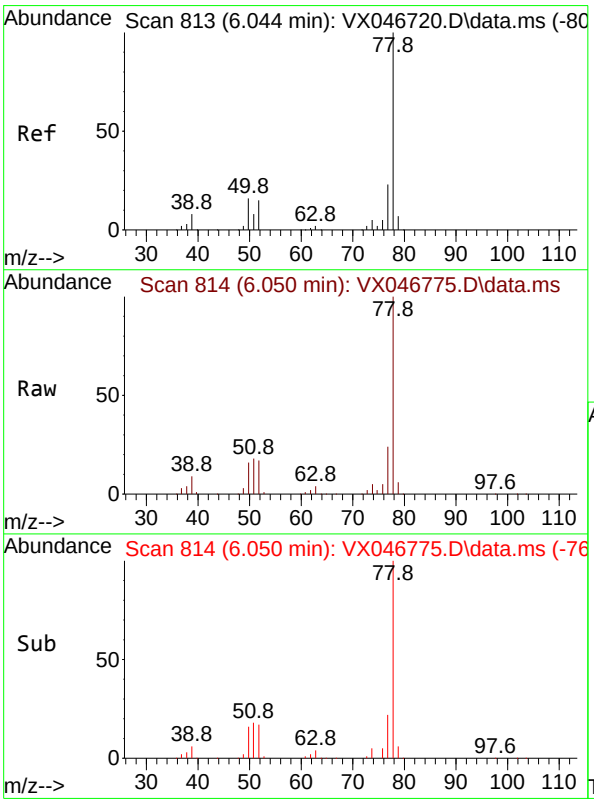

#39
Methylcyclohexane
Concen: 51.281 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 139618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.5 | 63.0 | 94.4 |
| 98 | 49.6 | 38.8 | 58.2 |

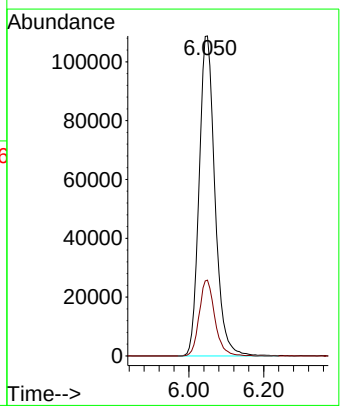


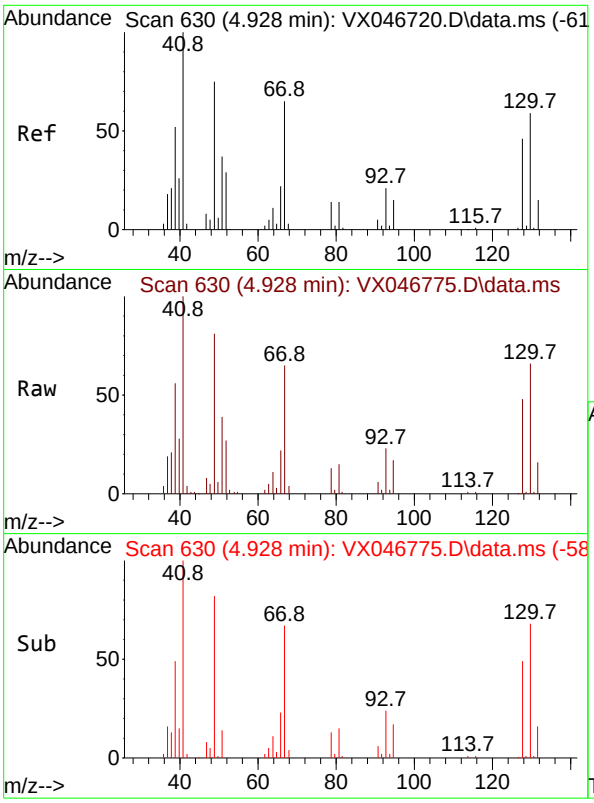




#40
Benzene
Concen: 52.086 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 78 Resp: 318931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 18.8 | 28.2 |



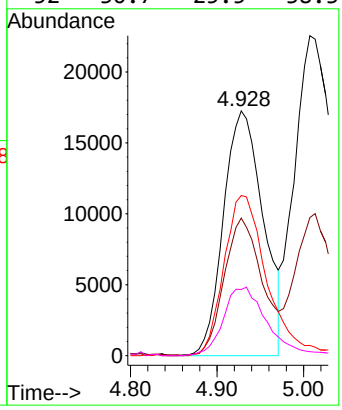


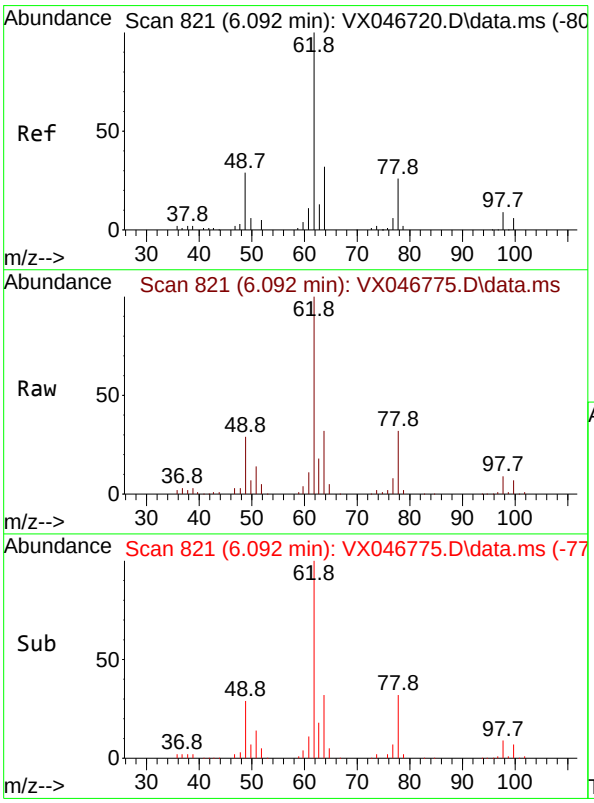

#41
Methacrylonitrile
Concen: 54.078 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 55058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.7 | 45.9 | 68.9 |
| 67 | 71.4 | 61.2 | 91.8 |
| 52 | 30.7 | 25.5 | 38.3 |

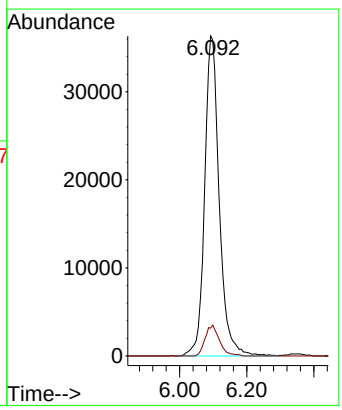


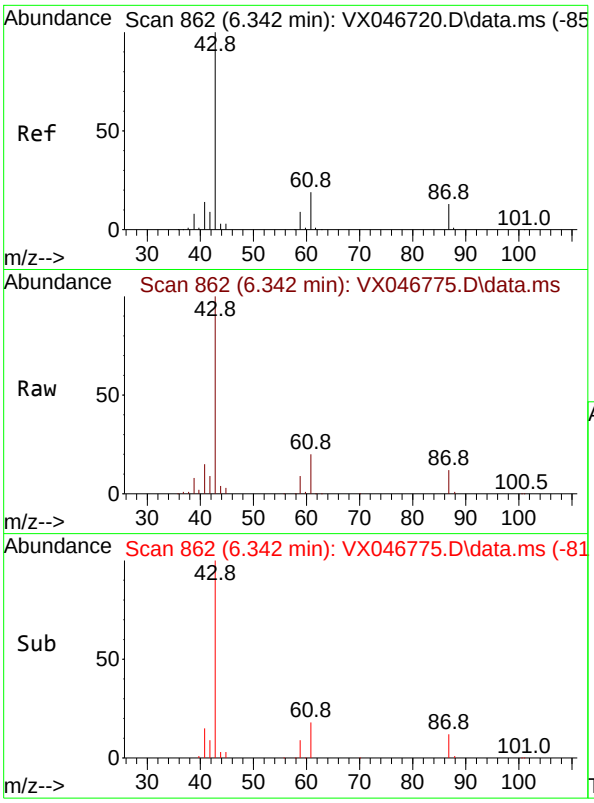




#42
1,2-Dichloroethane
Concen: 50.860 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 62 Resp: 109435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.5 | 0.0 | 17.8 |



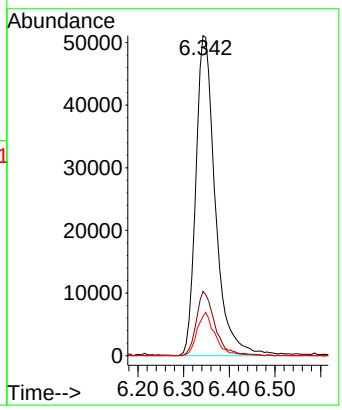


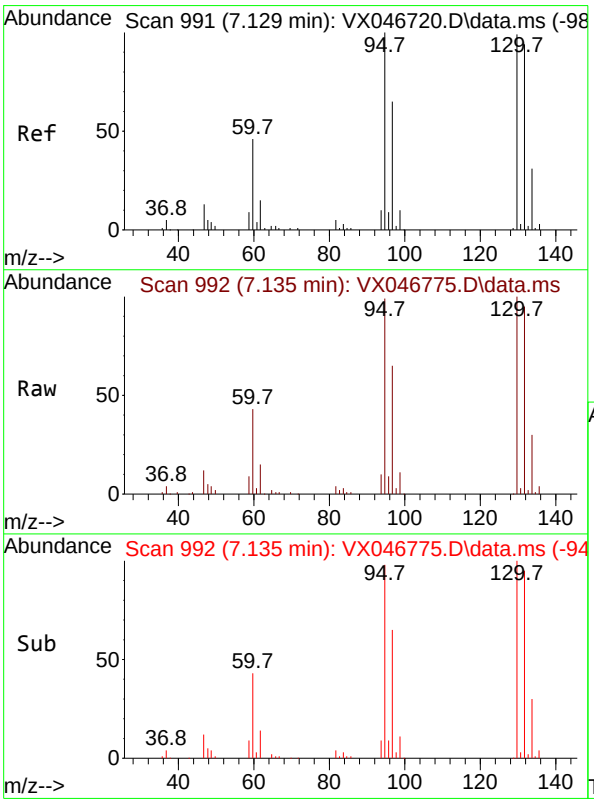

#43
Isopropyl Acetate
Concen: 50.655 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 151380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.3 | 22.9 |
| 87 | 12.5 | 10.0 | 15.0 |

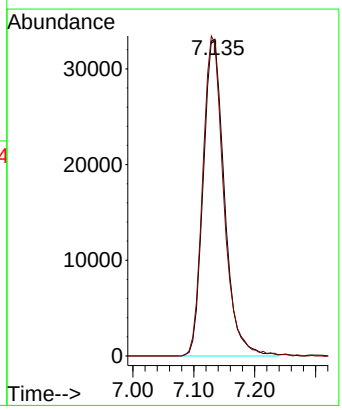


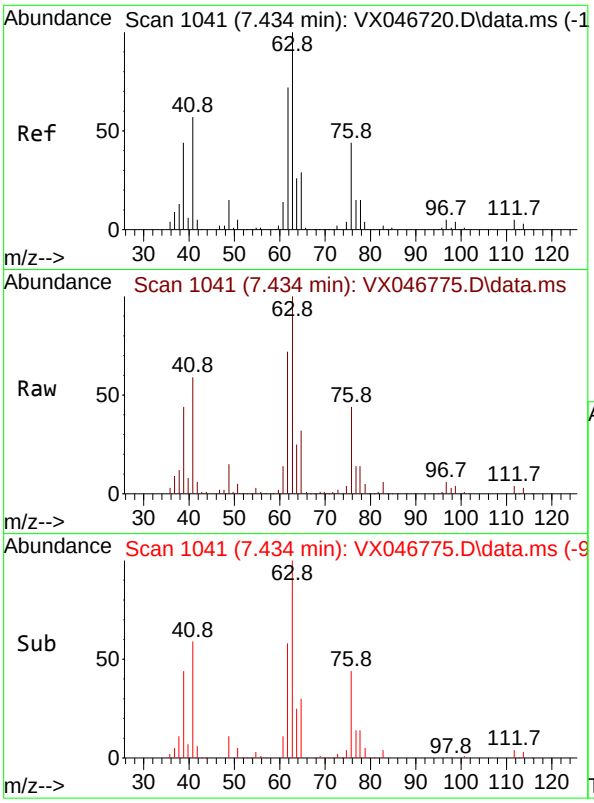




#44
Trichloroethene
Concen: 51.252 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:130 Resp: 79977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 202.6 |



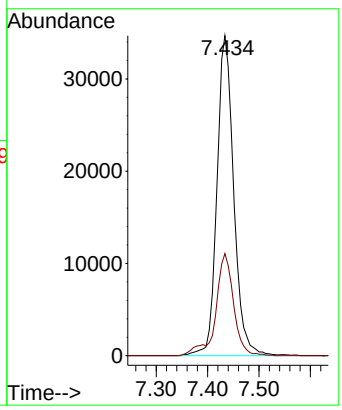


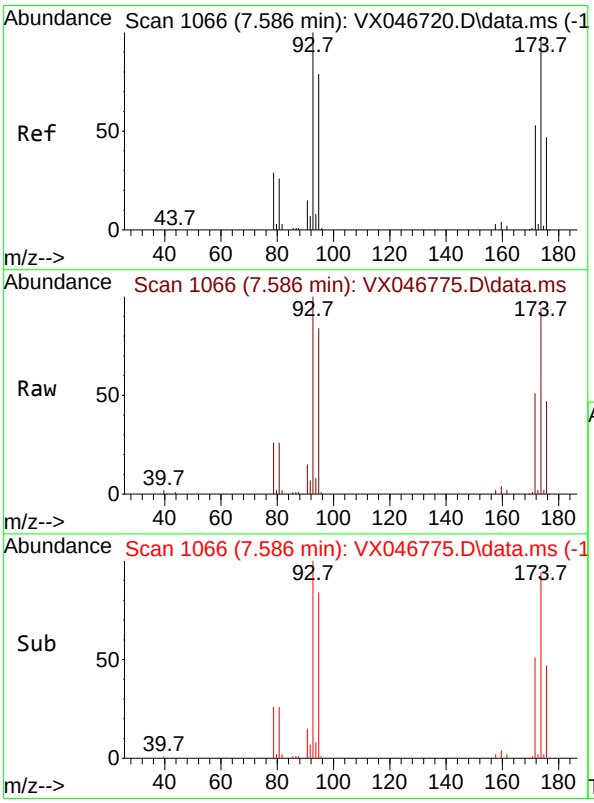

#45
1,2-Dichloropropane
Concen: 51.797 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 78602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 22.9 | 34.3 |

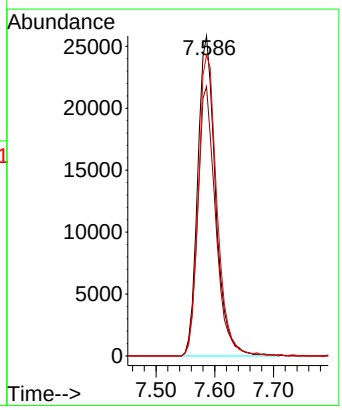


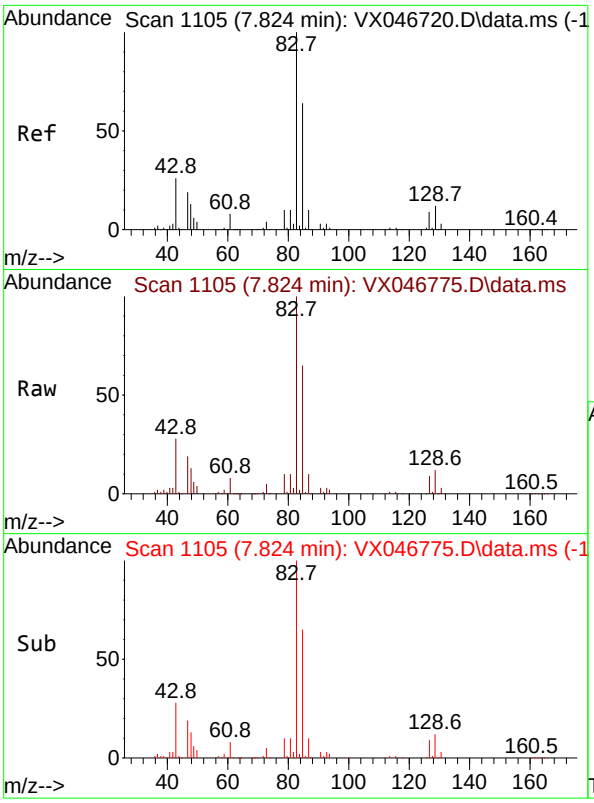




#46
Dibromomethane
Concen: 50.201 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 93 Resp: 54750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 66.2 | 99.4 |
| 174 | 97.6 | 77.0 | 115.6 |



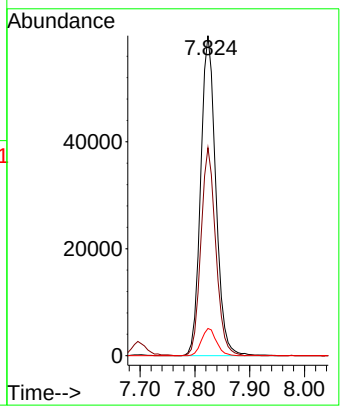


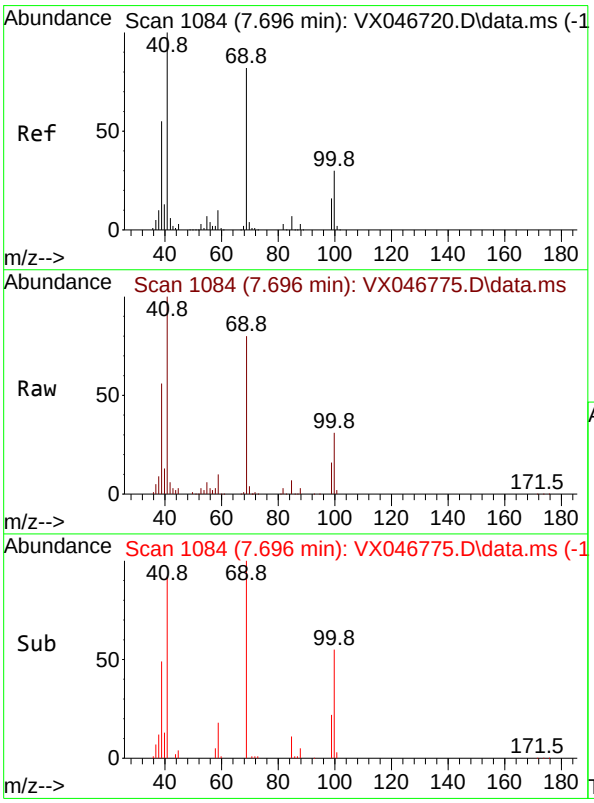

#47
Bromodichloromethane
Concen: 51.475 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 114561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 51.4 | 77.2 |
| 127 | 8.5 | 6.9 | 10.3 |

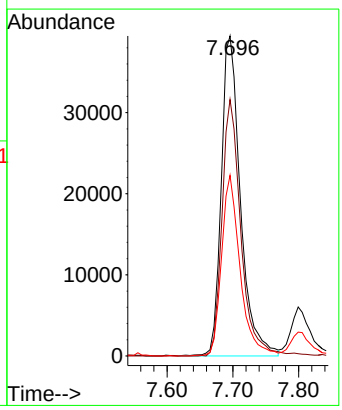


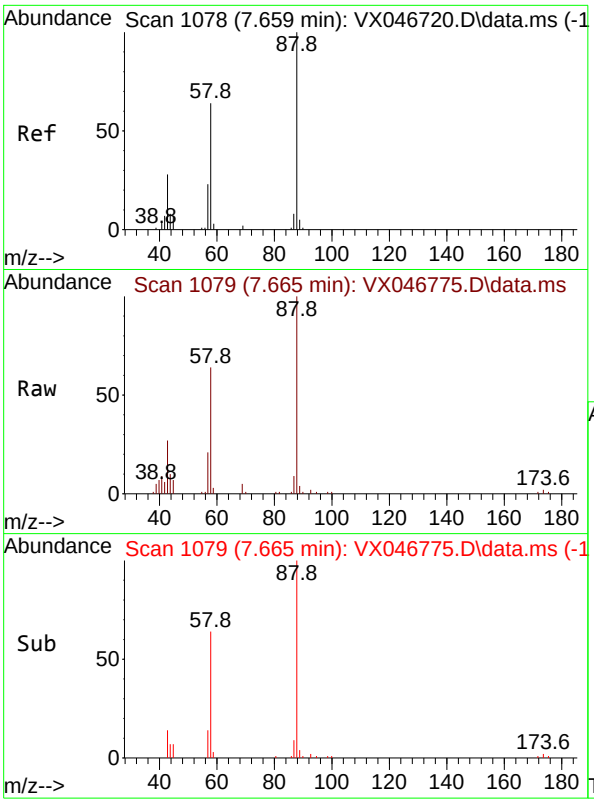




#48
Methyl methacrylate
Concen: 53.494 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 41 Resp: 80176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.0 | 63.4 | 95.2 |
| 39 | 54.7 | 45.4 | 68.0 |



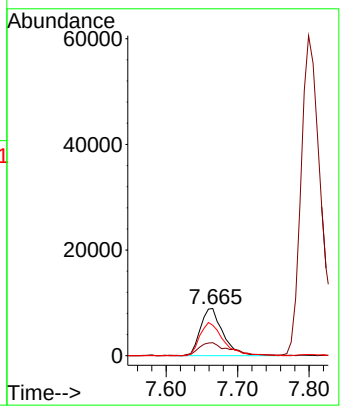


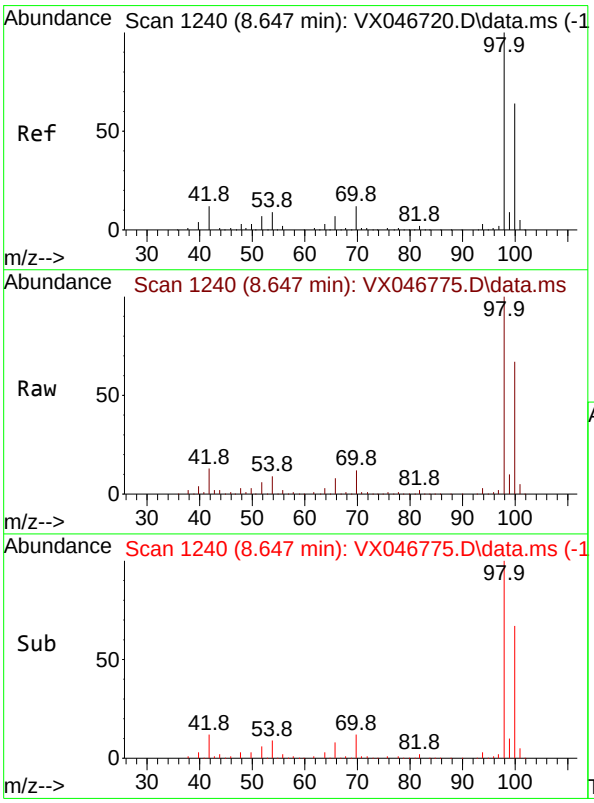

#49
1,4-Dioxane
Concen: 894.415 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 19434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 36.0 | 31.2 | 46.8 |
| 58 | 73.2 | 54.7 | 82.1 |

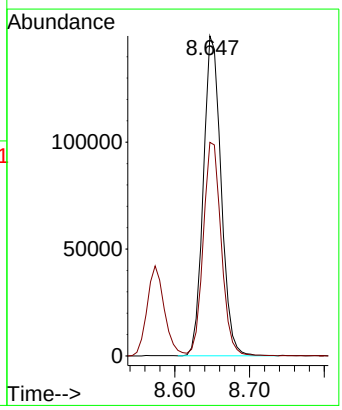


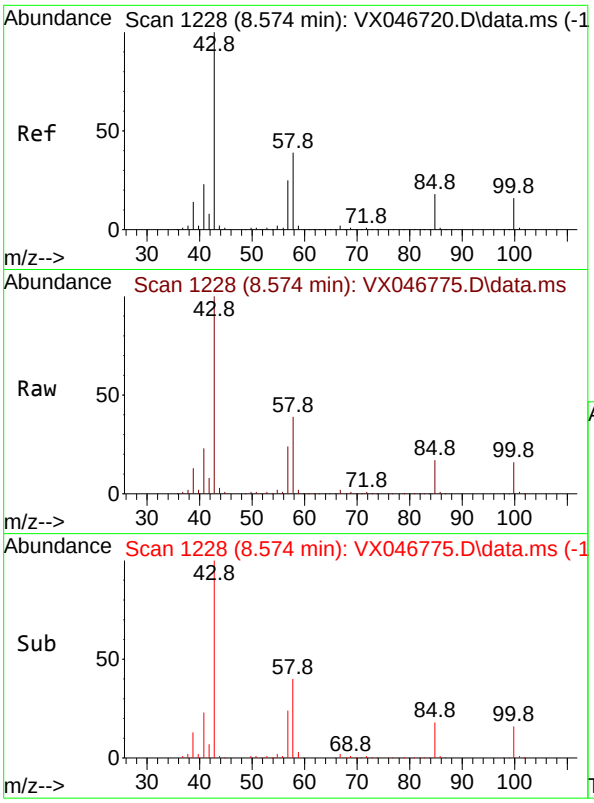




#50
Toluene-d8
Concen: 47.880 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 98 Resp: 246552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.5 | 53.0 | 79.4 |



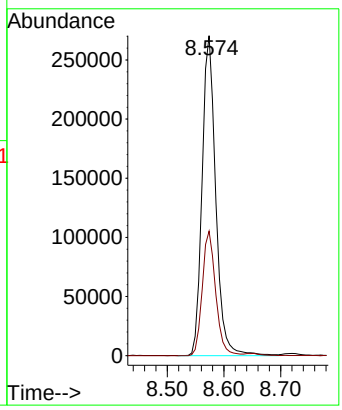


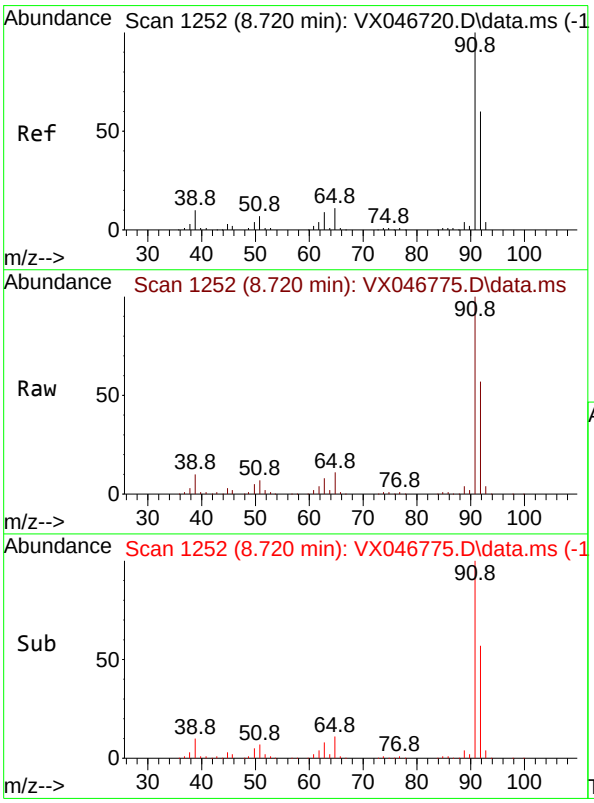

#51
4-Methyl-2-Pentanone
Concen: 254.472 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 453562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 30.8 | 46.2 |

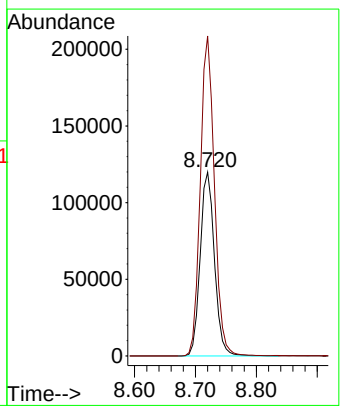


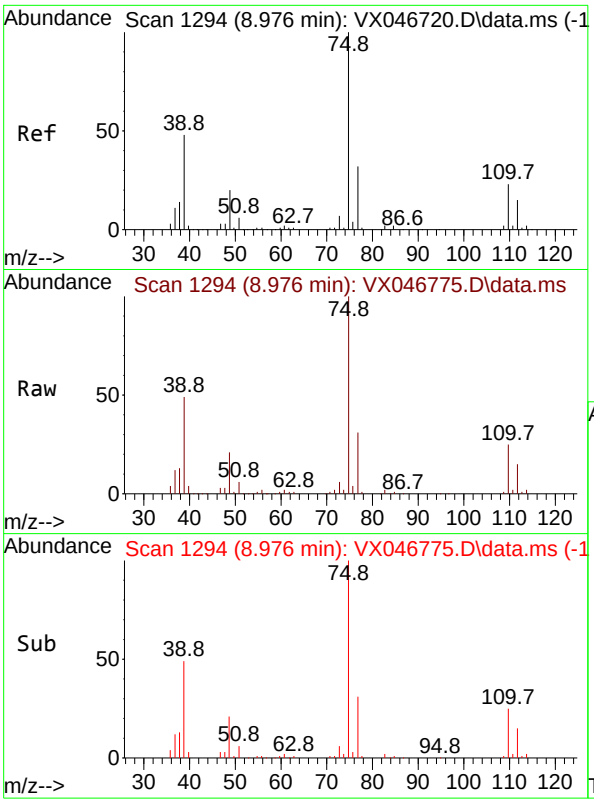




#52
Toluene
Concen: 51.477 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 92 Resp: 195403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.1 | 134.8 | 202.2 |



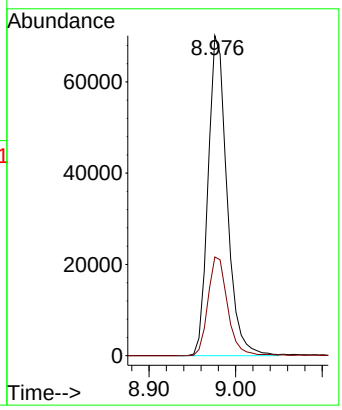


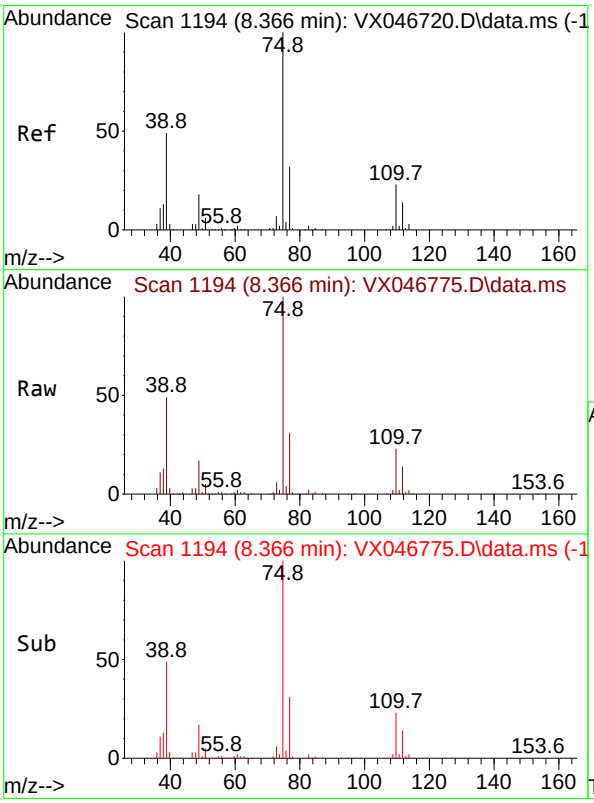

#53
t-1,3-Dichloropropene
Concen: 51.427 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 106195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.6 | 38.4 |

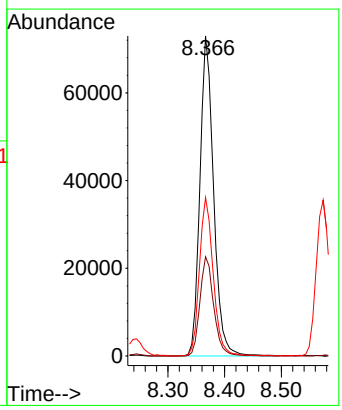


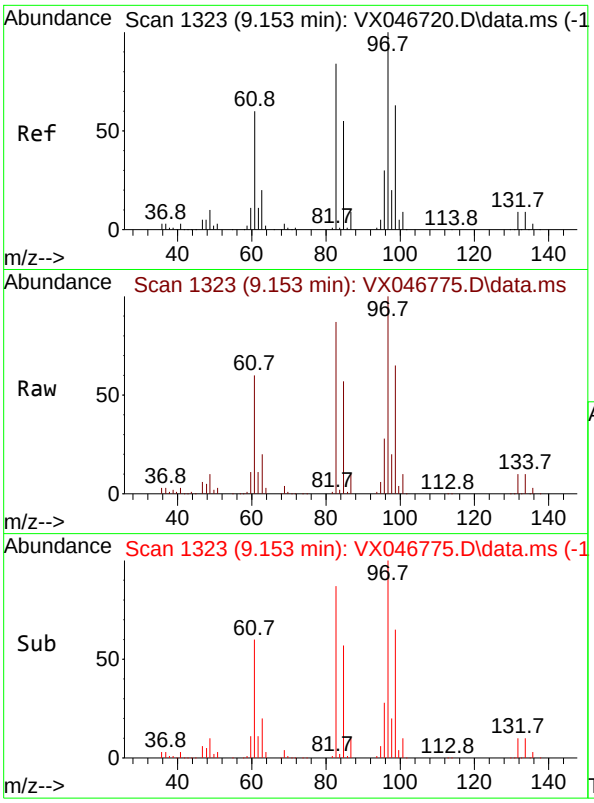




#54
cis-1,3-Dichloropropene
Concen: 52.254 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 122494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.3 | 37.9 |
| 39 | 48.8 | 39.2 | 58.8 |



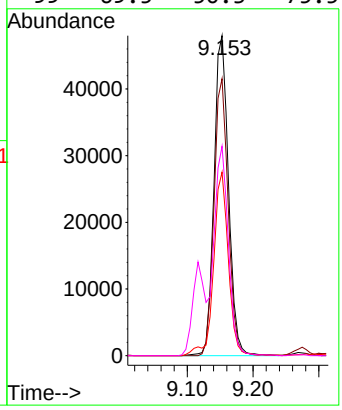


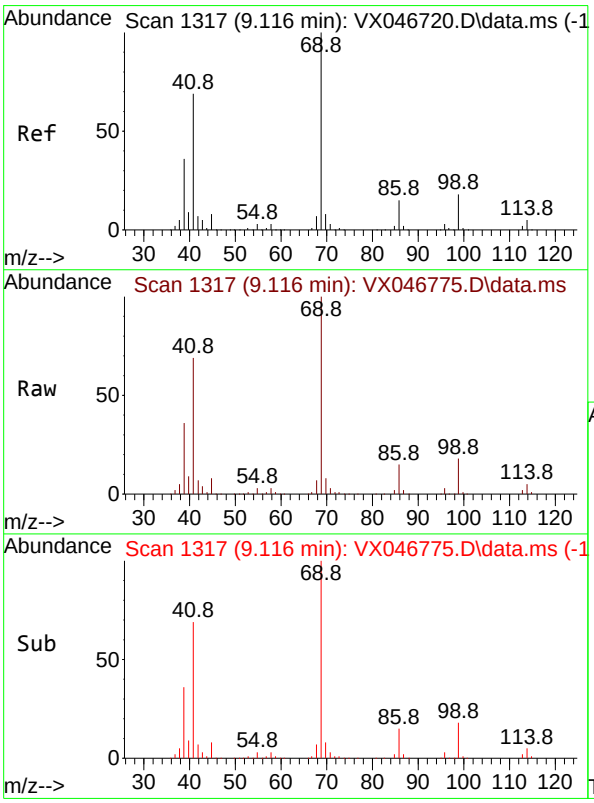

#55
1,1,2-Trichloroethane
Concen: 51.978 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 73528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.6 | 67.2 | 100.8 |
| 85 | 57.4 | 44.1 | 66.1 |
| 99 | 69.5 | 50.3 | 75.5 |

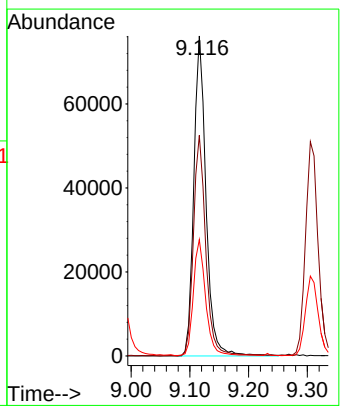


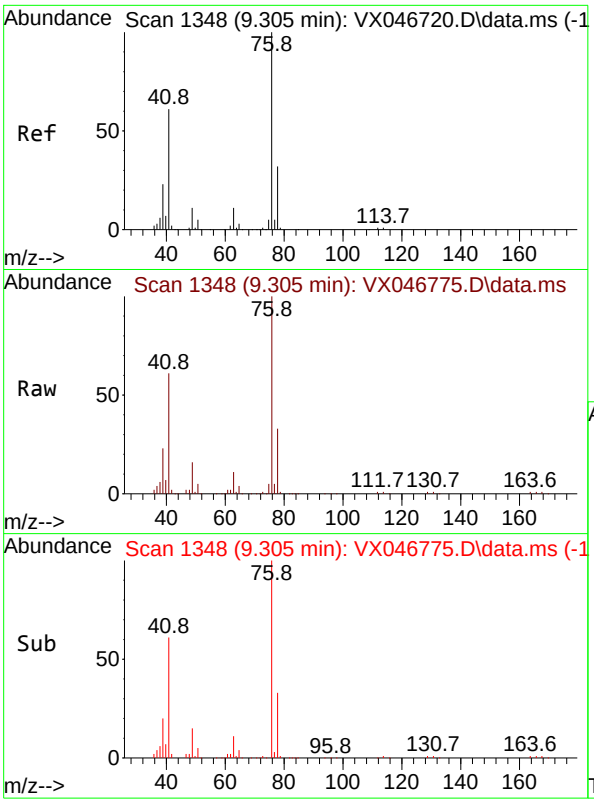




#56
Ethyl methacrylate
Concen: 52.671 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 69 Resp: 109987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.5 | 55.4 | 83.2 |
| 39 | 36.3 | 29.7 | 44.5 |



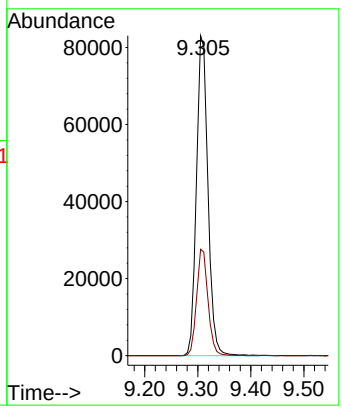


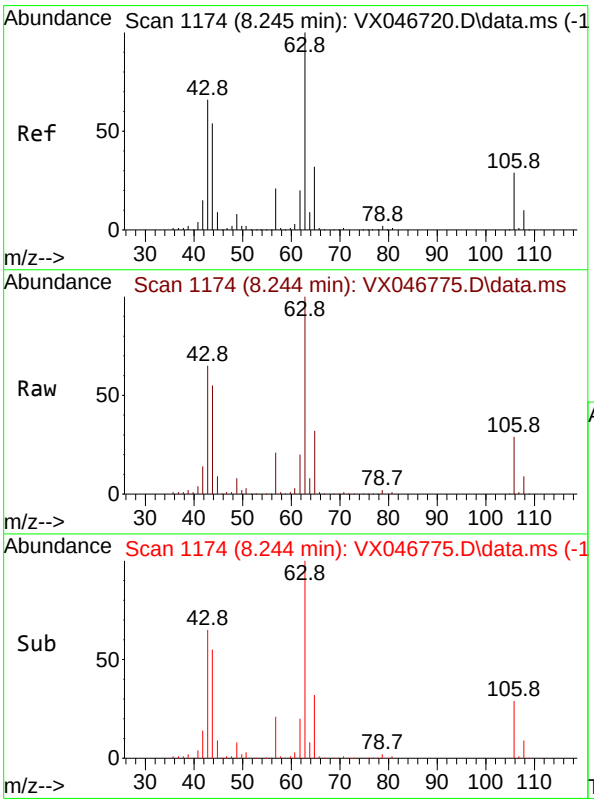

#57
1,3-Dichloropropane
Concen: 51.414 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 125247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.9 | 25.7 | 38.5 |

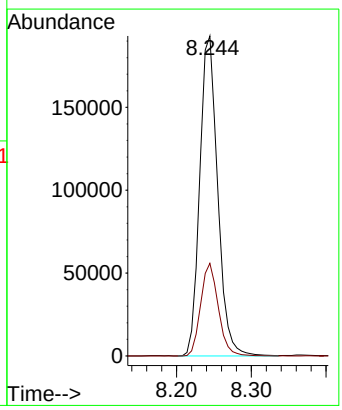


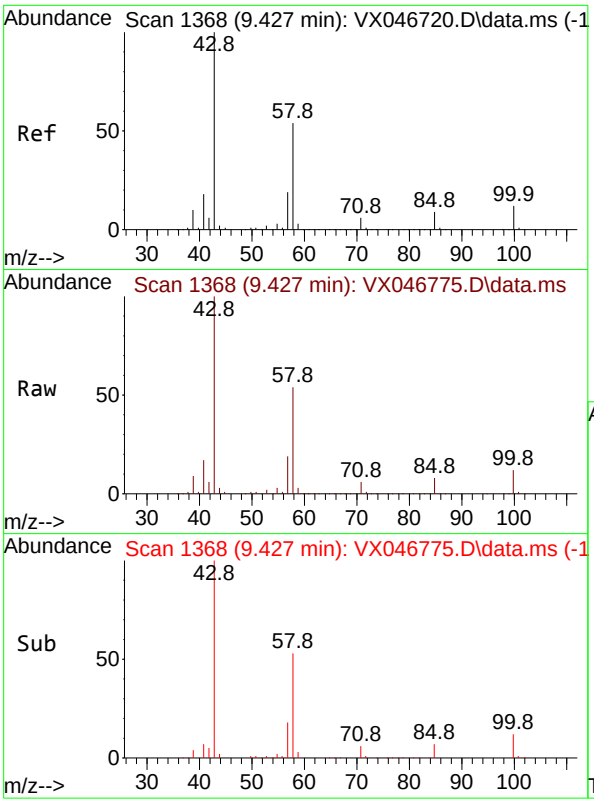




#58
2-Chloroethyl Vinyl ether
Concen: 296.571 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 321699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 22.6 | 34.0 |



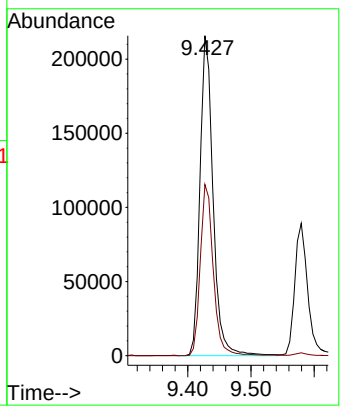


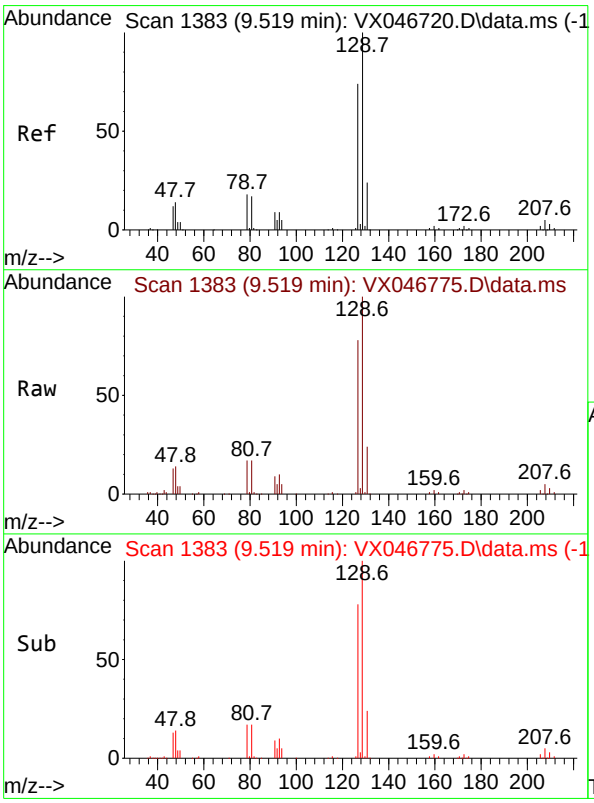

#59
2-Hexanone
Concen: 252.021 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 310545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.8 | 80.4 |

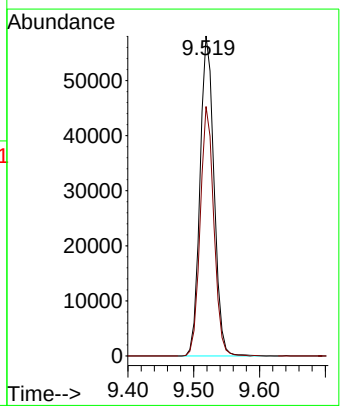


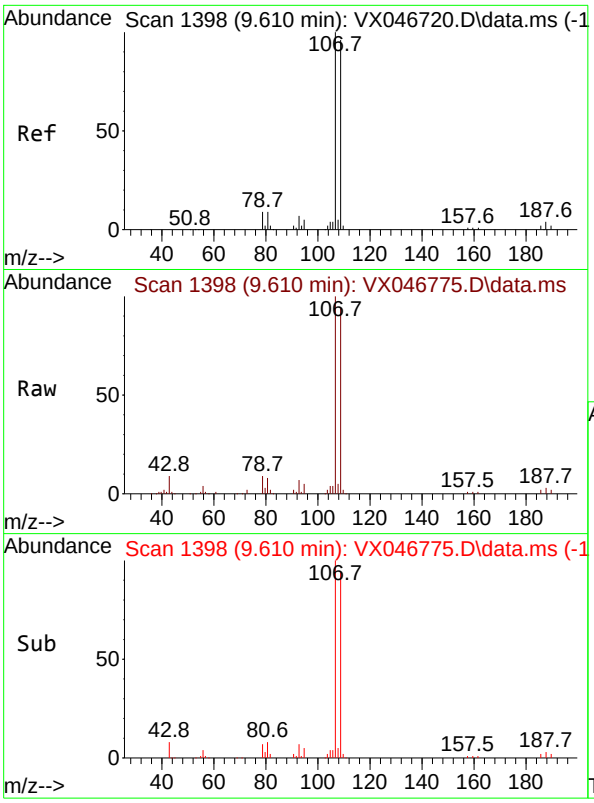




#60
Dibromochloromethane
Concen: 51.500 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:129 Resp: 85854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.9 | 38.4 | 115.2 |



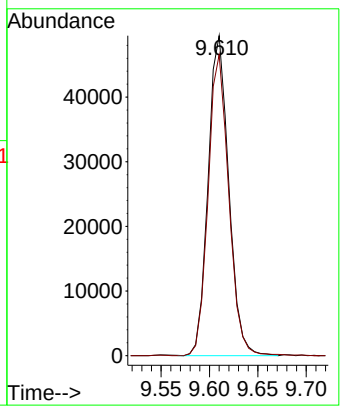


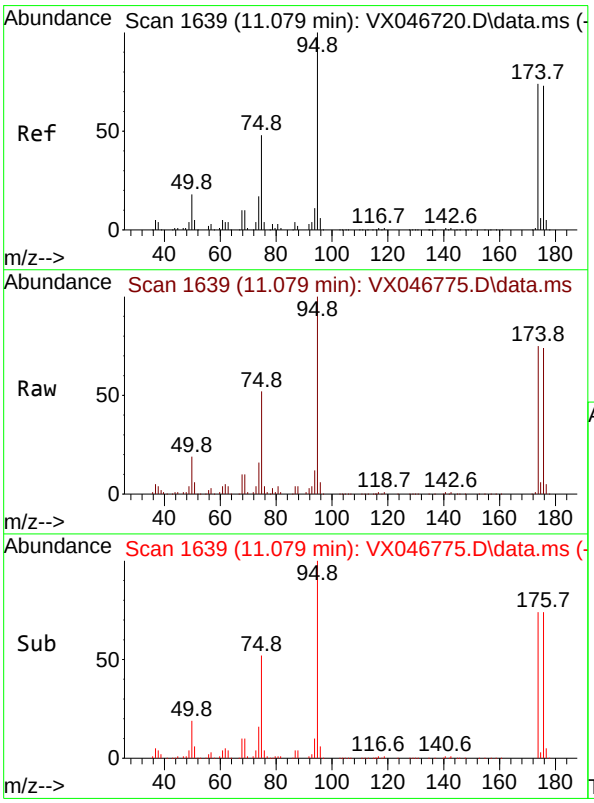

#61
1,2-Dibromoethane
Concen: 51.083 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 73504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.8 | 113.6 |

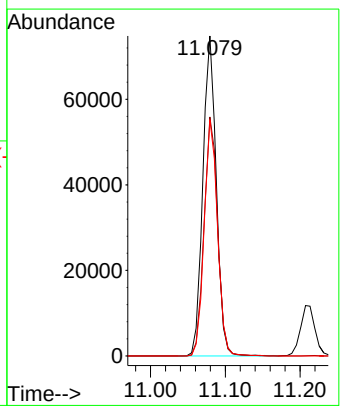


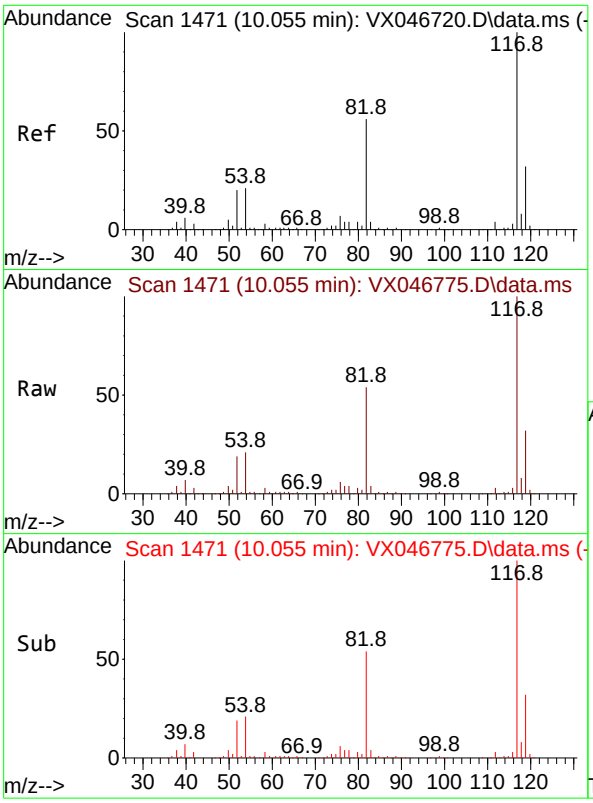




#62
4-Bromofluorobenzene
Concen: 48.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 95 Resp: 93266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.5 | 0.0 | 150.4 |
| 176 | 73.4 | 0.0 | 145.0 |



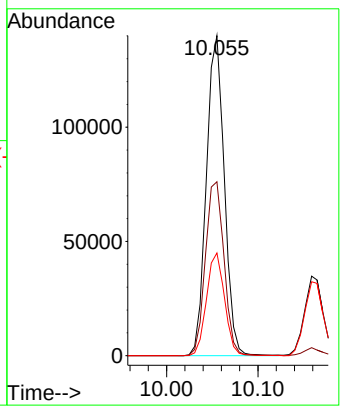


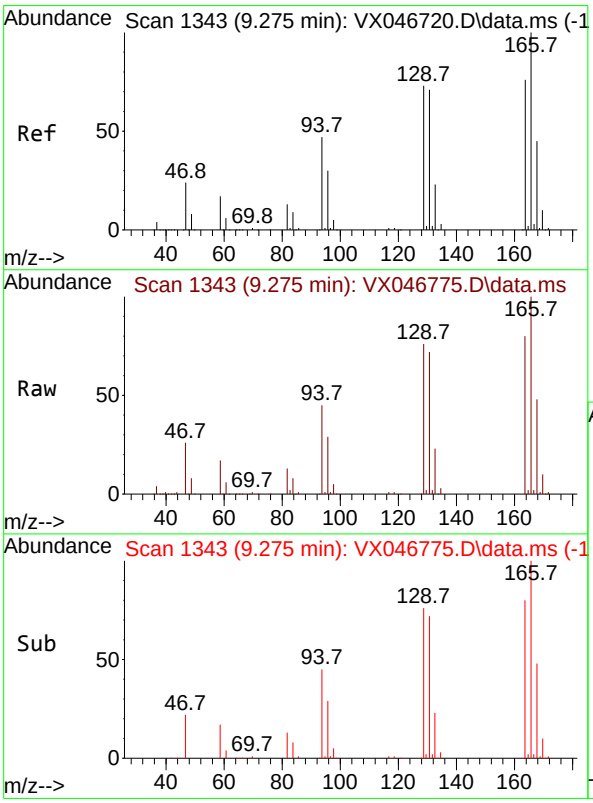

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 190720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 44.6 | 66.8 |
| 119 | 32.1 | 25.8 | 38.8 |

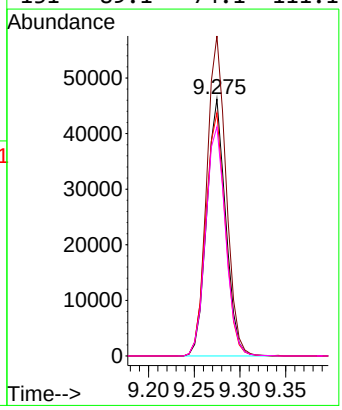


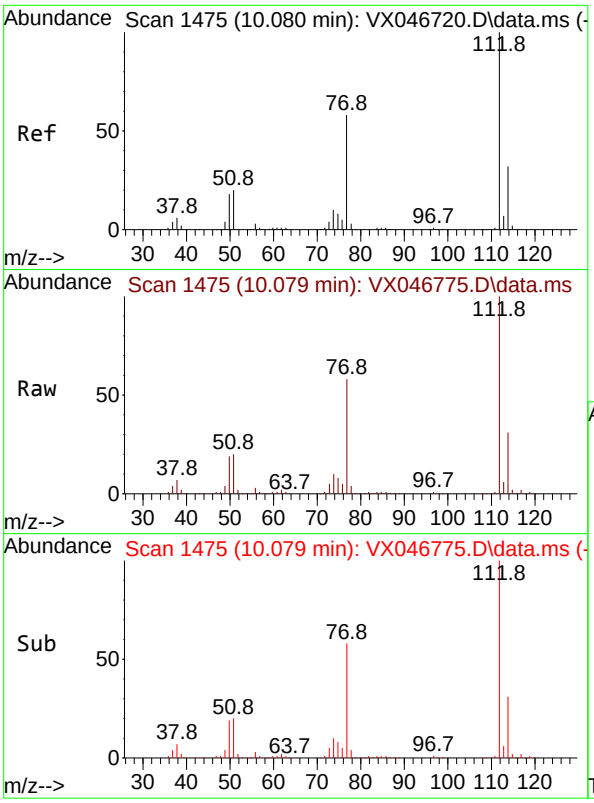




#64
Tetrachloroethene
Concen: 50.181 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:164 Resp: 66307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.5 | 104.6 | 157.0 |
| 129 | 94.6 | 76.3 | 114.5 |
| 131 | 89.1 | 74.1 | 111.1 |



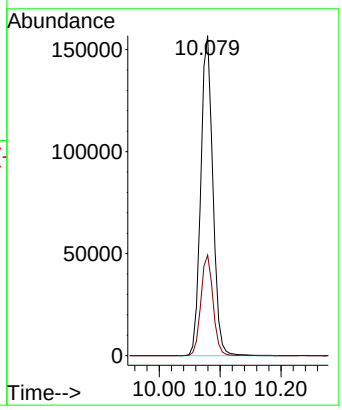


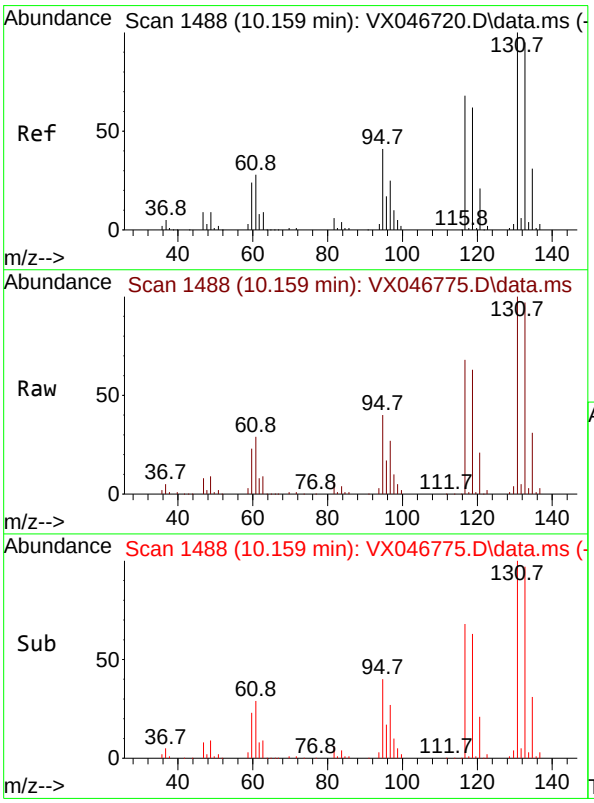

#65
Chlorobenzene
Concen: 51.382 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 216318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 25.5 | 38.3 |

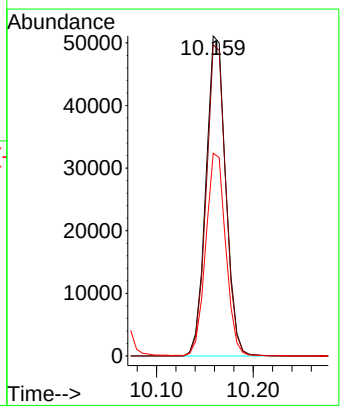


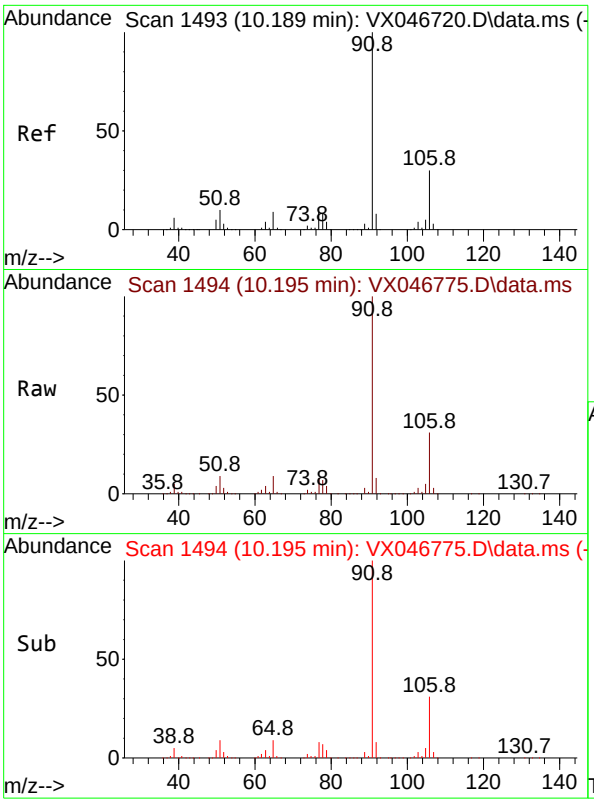




#66
1,1,1,2-Tetrachloroethane
Concen: 51.476 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:131 Resp: 72835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 47.3 | 141.8 |
| 119 | 63.9 | 32.1 | 96.3 |



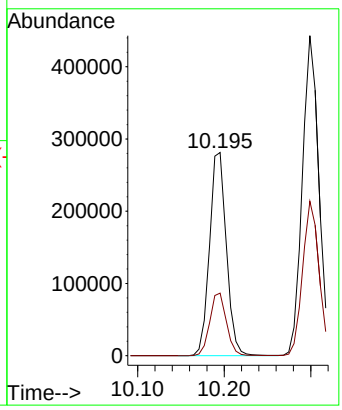


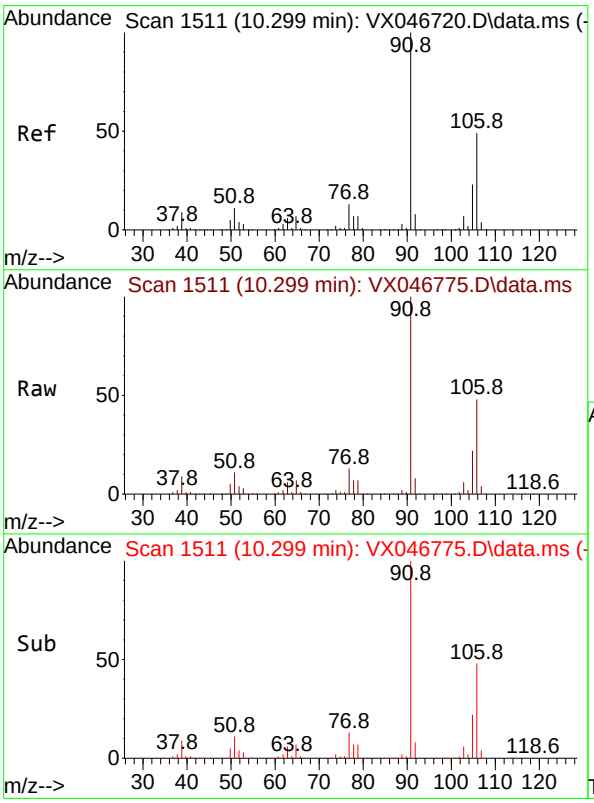

#67
Ethyl Benzene
Concen: 51.722 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 380469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 24.2 | 36.2 |

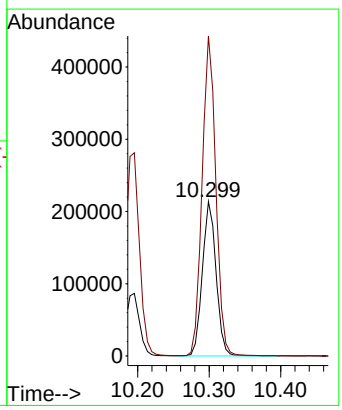


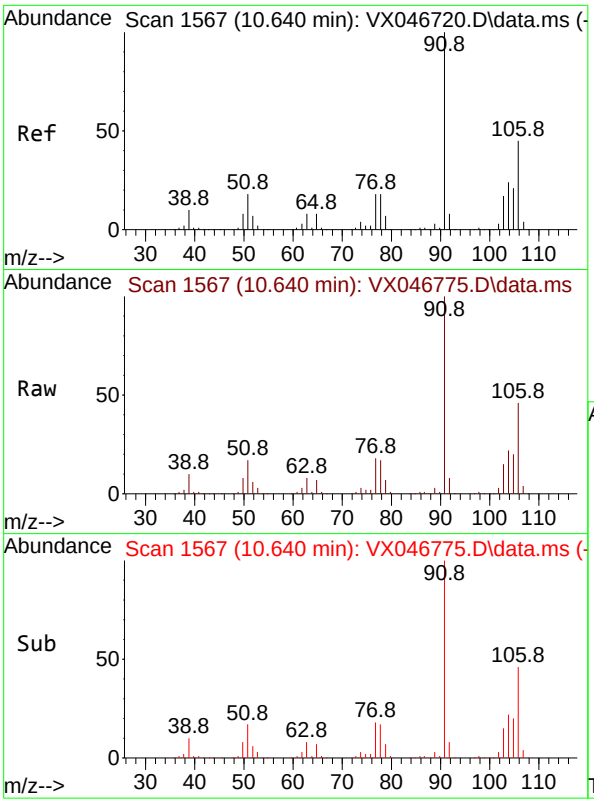




#68
m/p-Xylenes
Concen: 103.739 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:106 Resp: 284342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 164.8 | 247.2 |



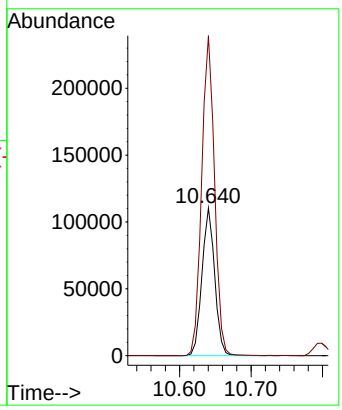


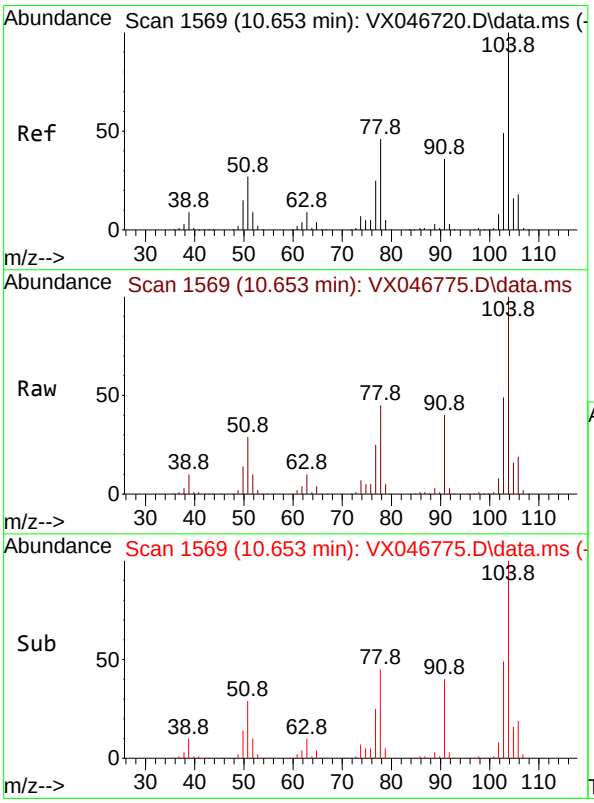

#69
o-Xylene
Concen: 53.151 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 136531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.1 | 111.3 | 333.9 |

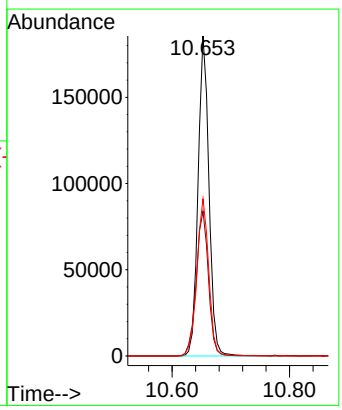


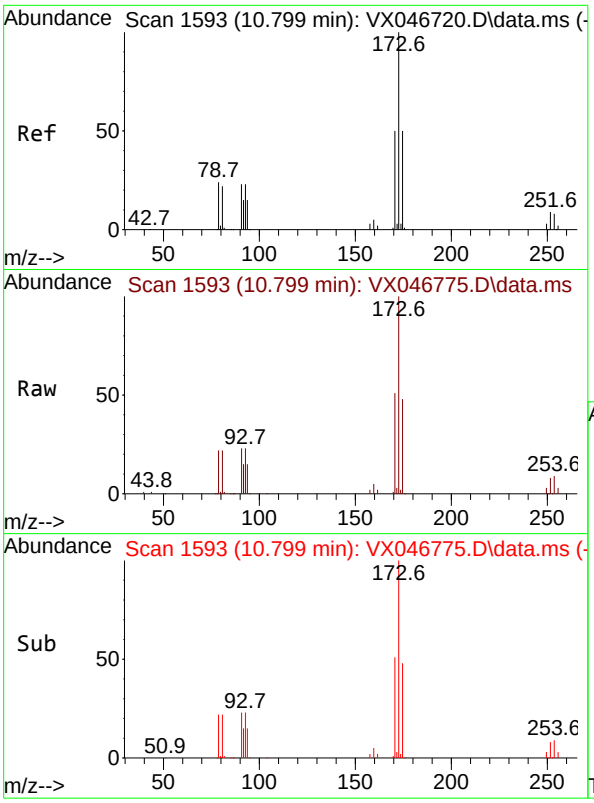




#70
Styrene
Concen: 53.139 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:104 Resp: 238877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.0 | 41.4 | 62.2 |
| 103 | 53.6 | 43.1 | 64.7 |



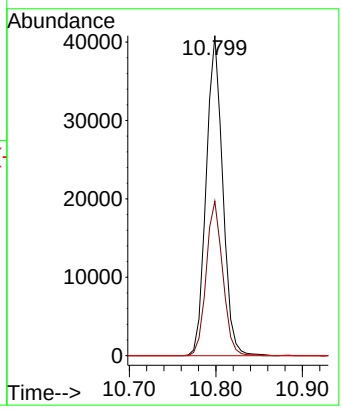


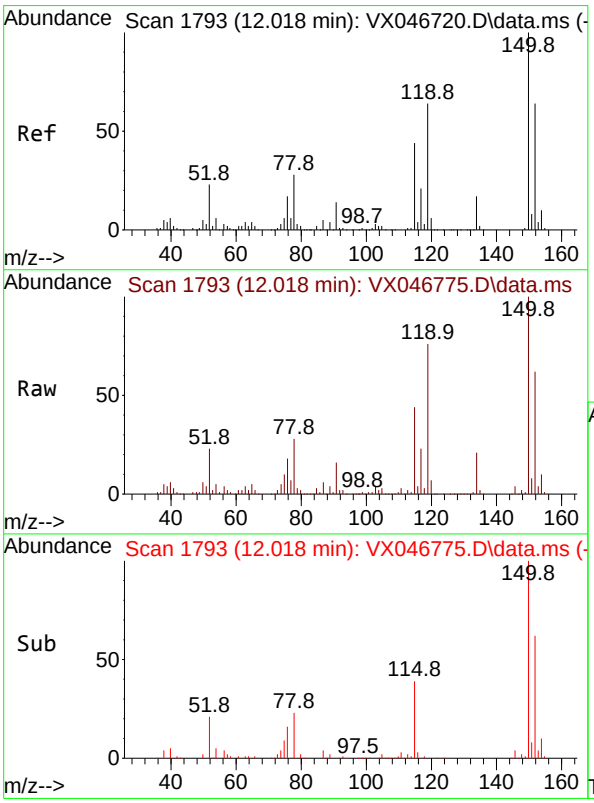

#71
Bromoform
Concen: 50.164 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 54055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.4 |
| 254 | 0.0 | 0.1 | 0.1# |

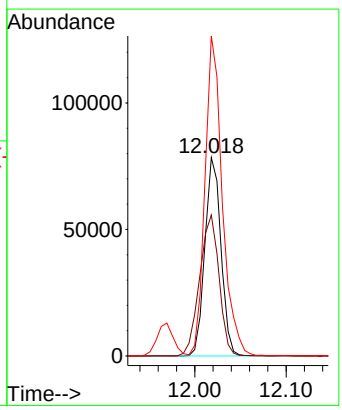


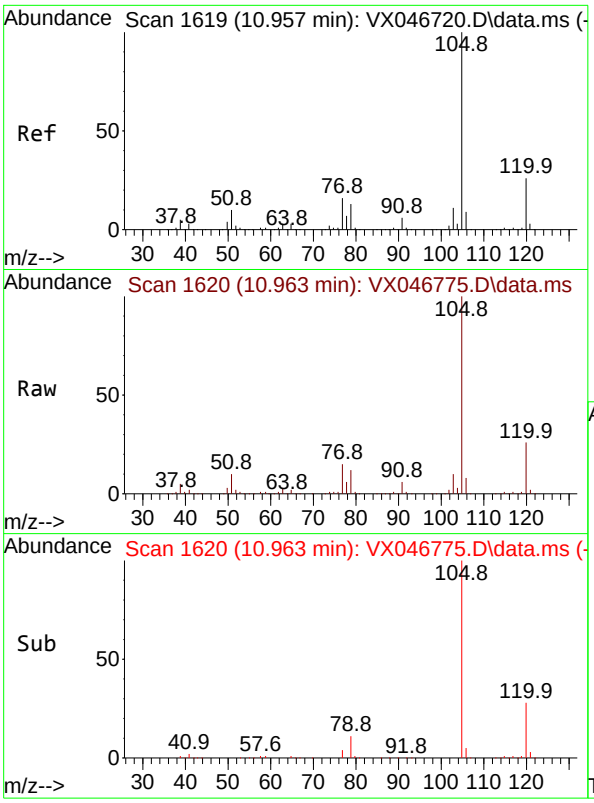




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:152 Resp: 95668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 85.8 | 43.2 | 129.6 |
| 150 | 173.3 | 0.0 | 346.8 |



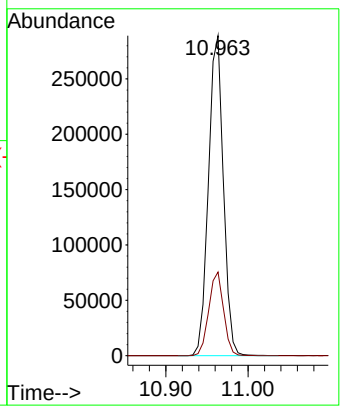


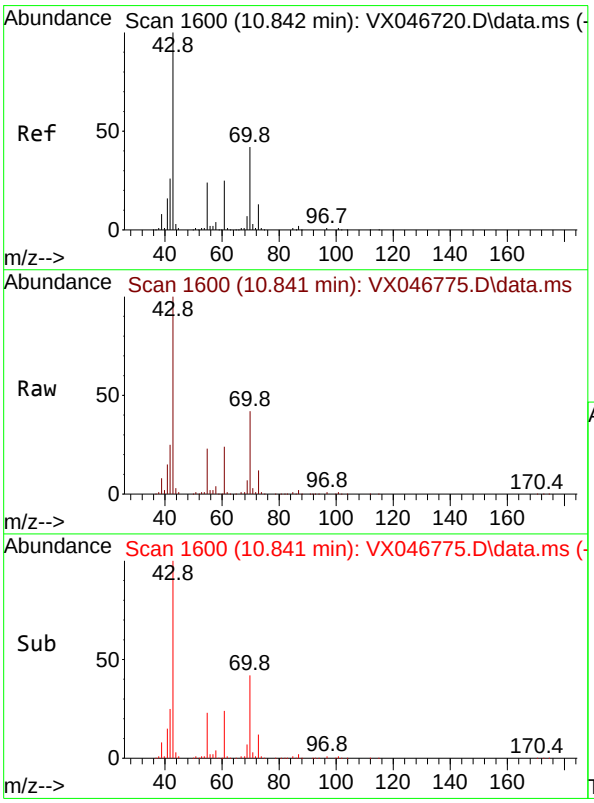

#73
Isopropylbenzene
Concen: 51.780 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 364838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 39.0 |

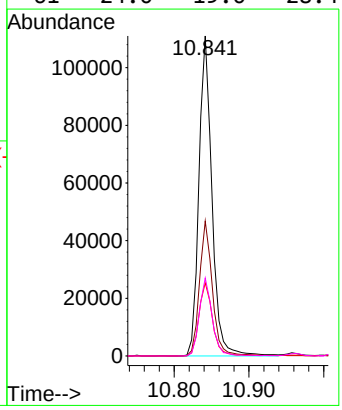


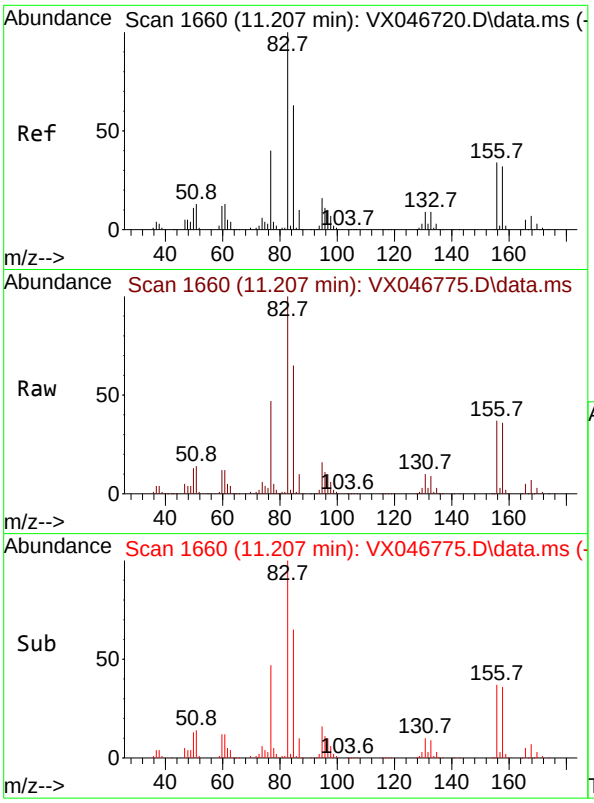




#74
N-amyl acetate
Concen: 50.472 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 43 Resp: 134737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.0 | 33.4 | 50.0 |
| 55 | 24.0 | 19.1 | 28.7 |
| 61 | 24.0 | 19.0 | 28.4 |



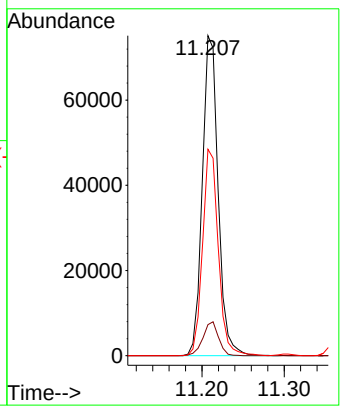


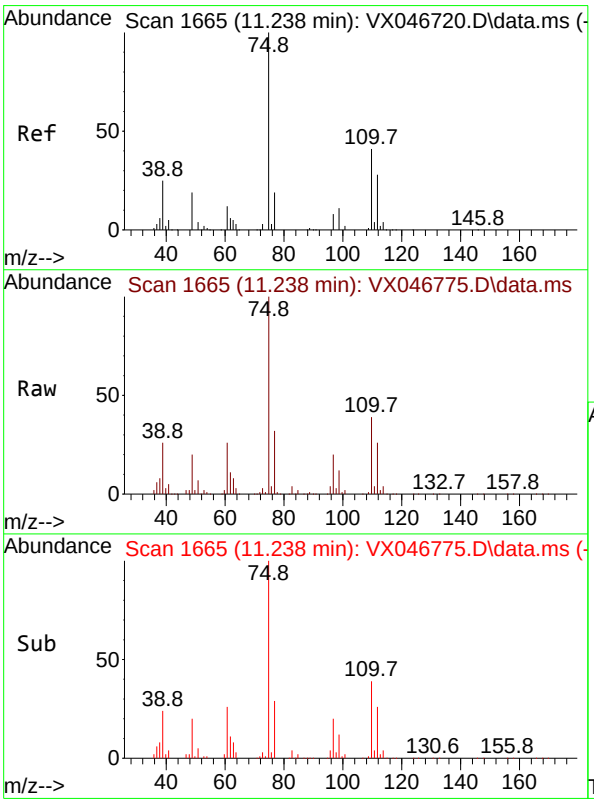

#75
1,1,2,2-Tetrachloroethane
Concen: 50.908 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 100156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 4.9 | 14.6 |
| 85 | 64.3 | 32.0 | 96.0 |

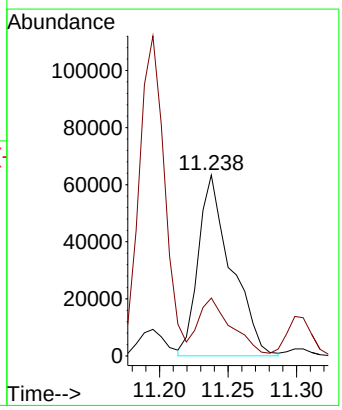


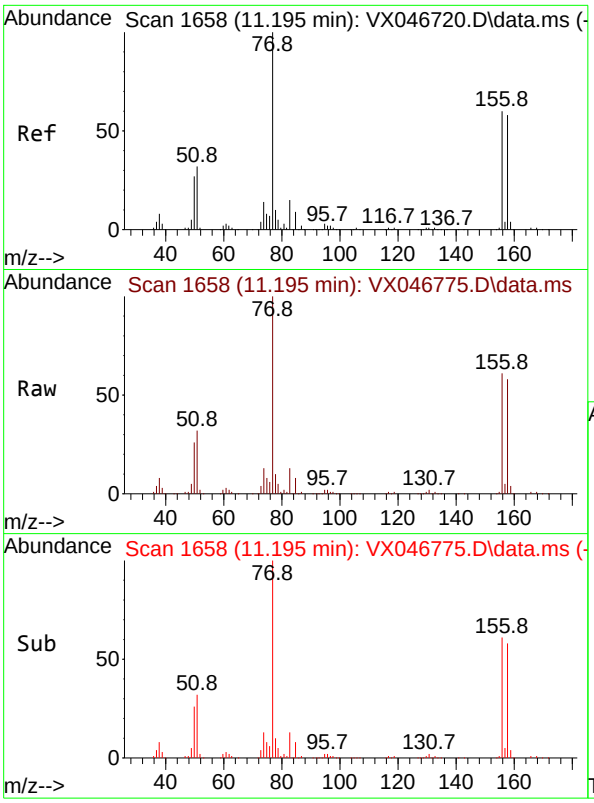




#76
1,2,3-Trichloropropane
Concen: 60.421 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 105868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 18.5 | 55.5 |



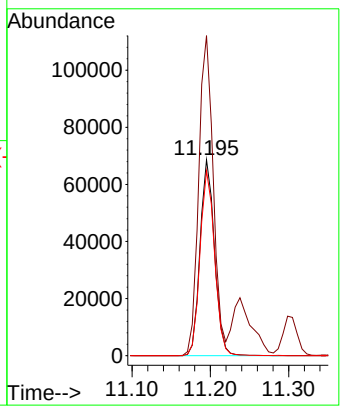


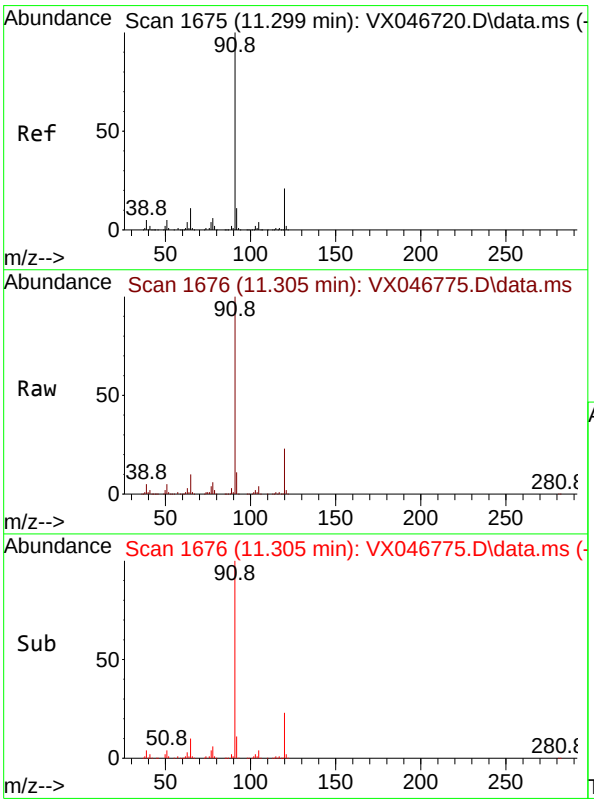

#77
Bromobenzene
Concen: 51.813 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 87850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.9 | 82.8 | 248.6 |
| 158 | 95.3 | 47.6 | 142.9 |

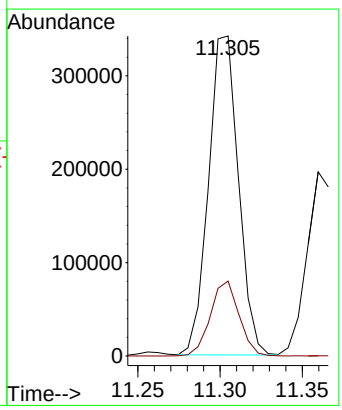


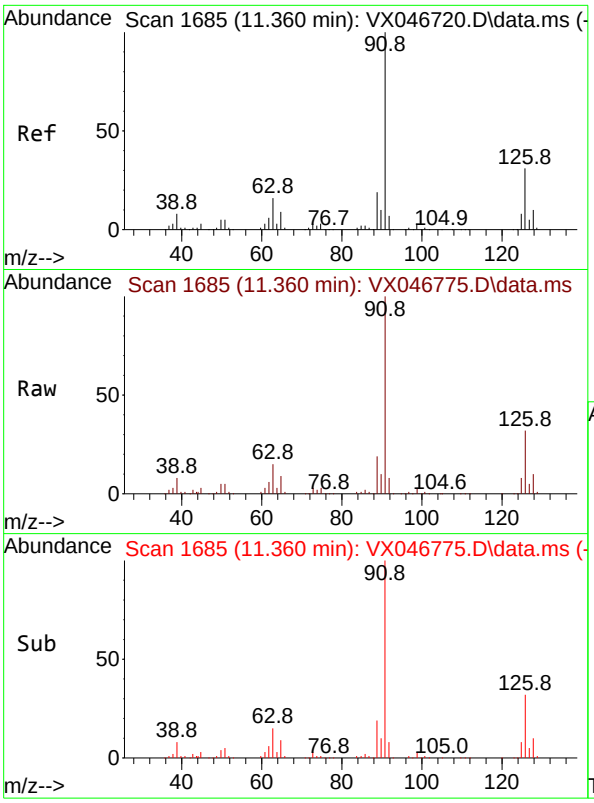




#78
n-propylbenzene
Concen: 51.735 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 91 Resp: 432963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.4 | 34.1 |



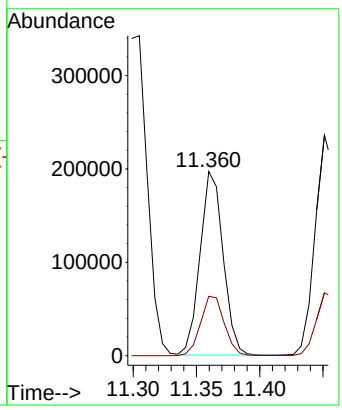


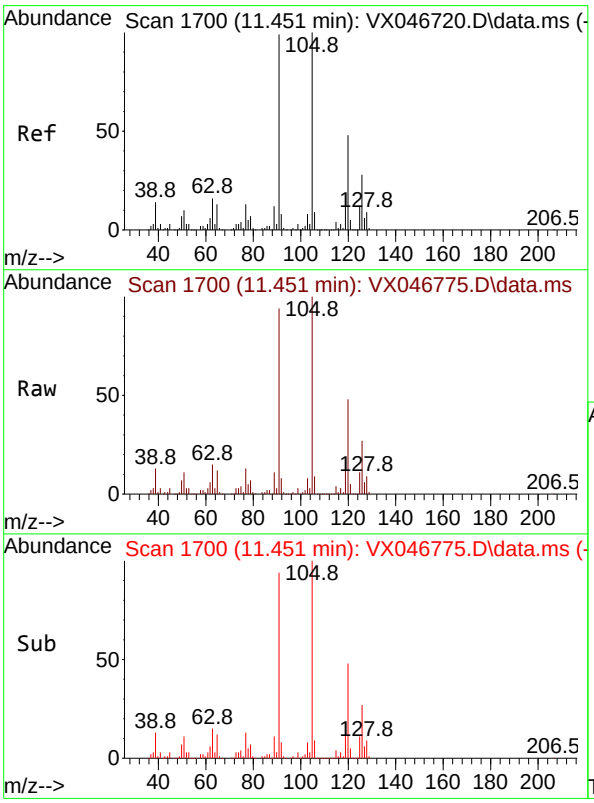

#79
2-Chlorotoluene
Concen: 49.914 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 249407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.6 | 49.7 |

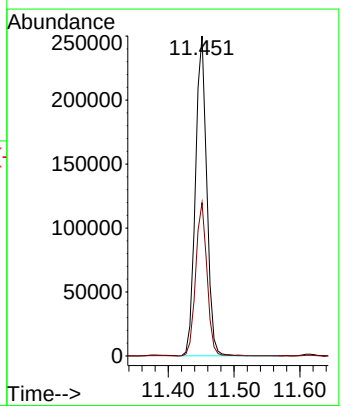


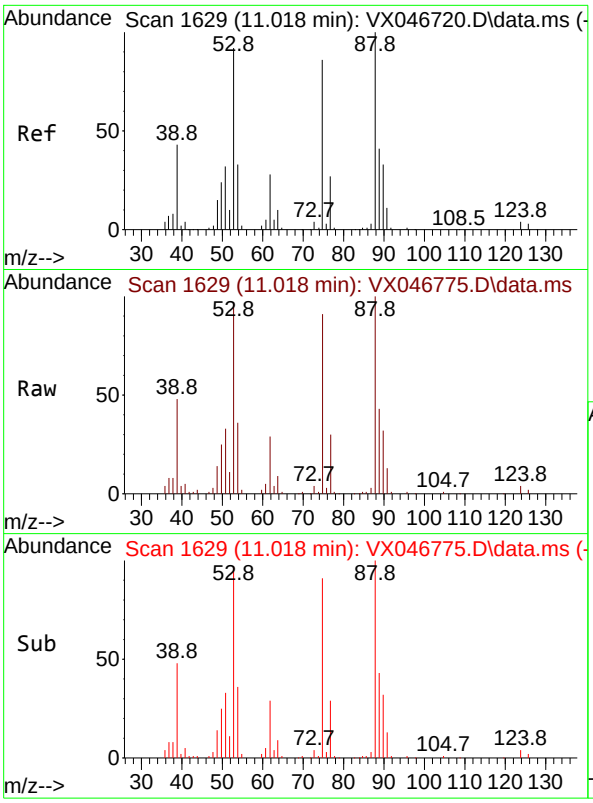




#80
1,3,5-Trimethylbenzene
Concen: 51.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:105 Resp: 298594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.2 |



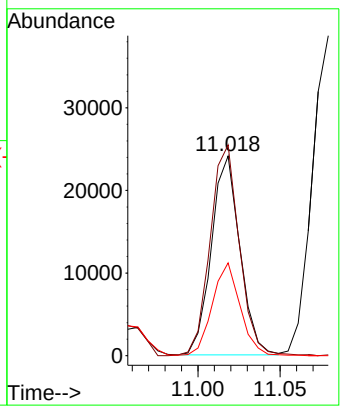


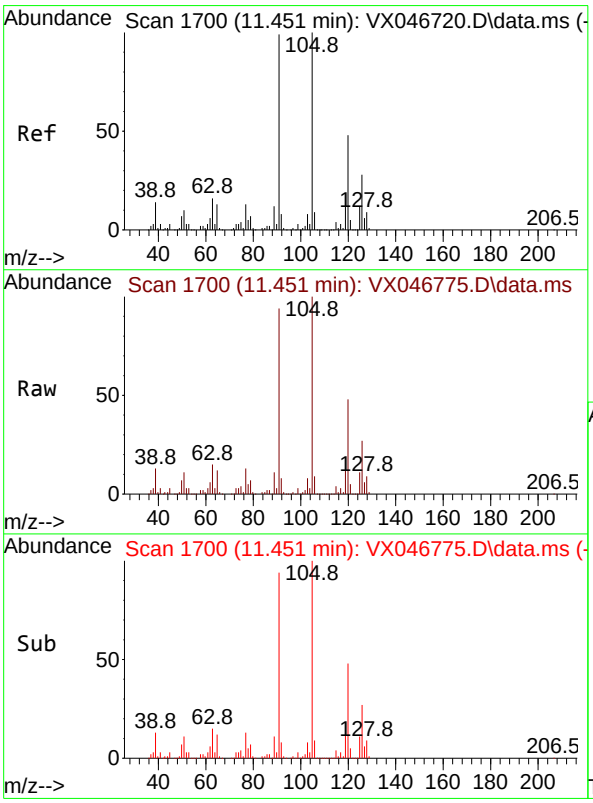

#81
trans-1,4-Dichloro-2-butene
Concen: 47.021 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 29148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.3 | 86.8 | 130.2 |
| 89 | 45.6 | 36.9 | 55.3 |

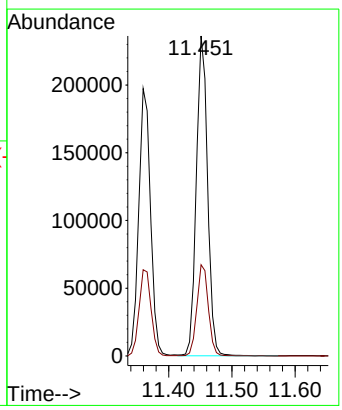


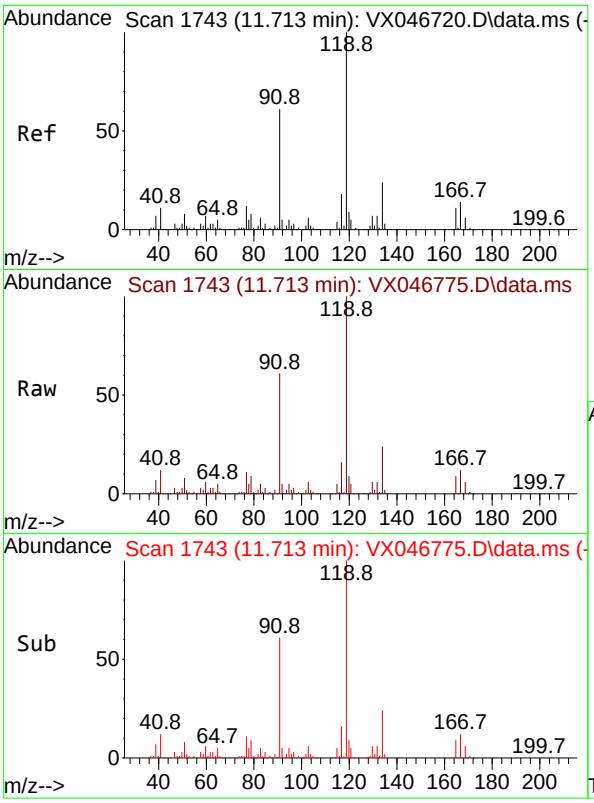




#82
4-Chlorotoluene
Concen: 50.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 91 Resp: 293281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.4 | 43.2 |



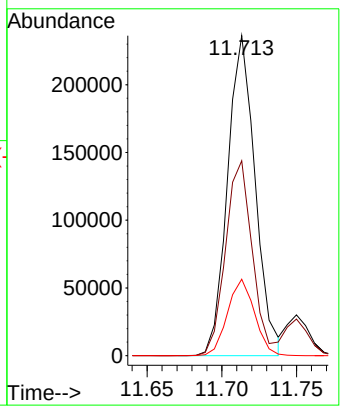


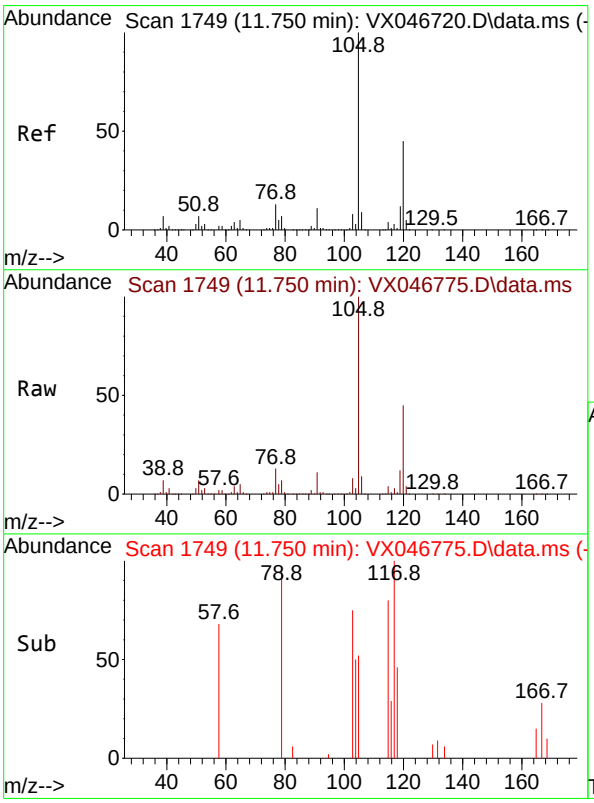

#83
tert-Butylbenzene
Concen: 50.825 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 304194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.5 | 29.5 | 88.6 |
| 134 | 23.4 | 11.7 | 35.0 |

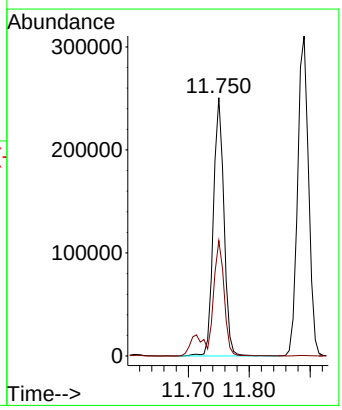


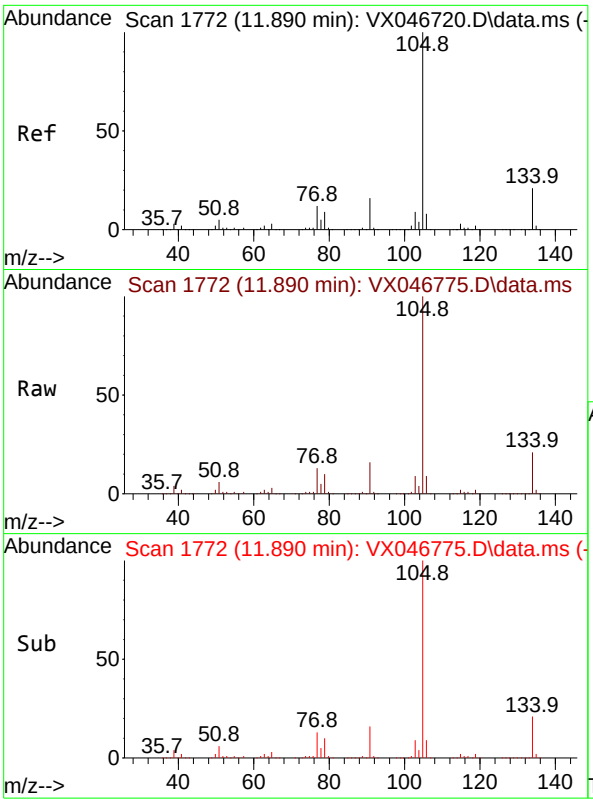




#84
1,2,4-Trimethylbenzene
Concen: 51.927 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:105 Resp: 302076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 22.1 | 66.3 |



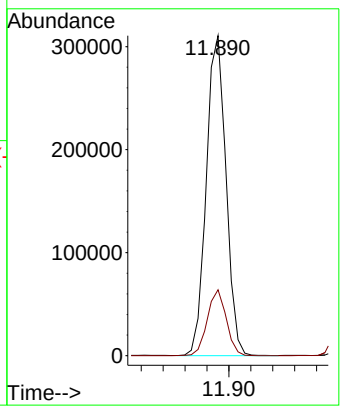


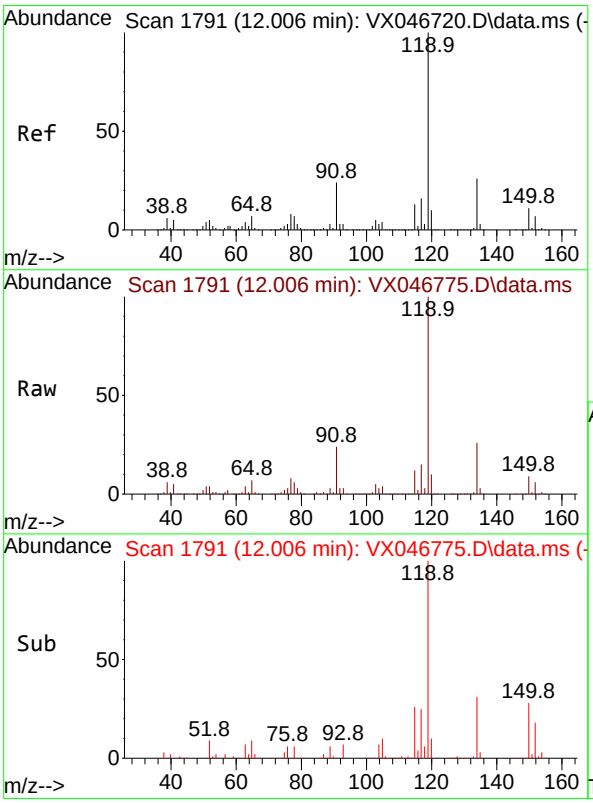

#85
sec-Butylbenzene
Concen: 51.281 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 387895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.4 |

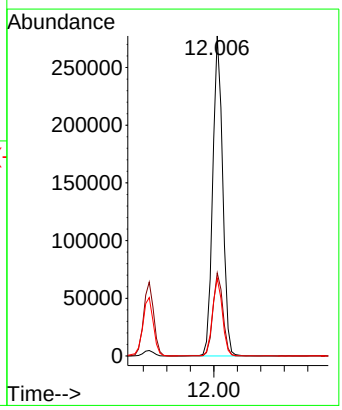


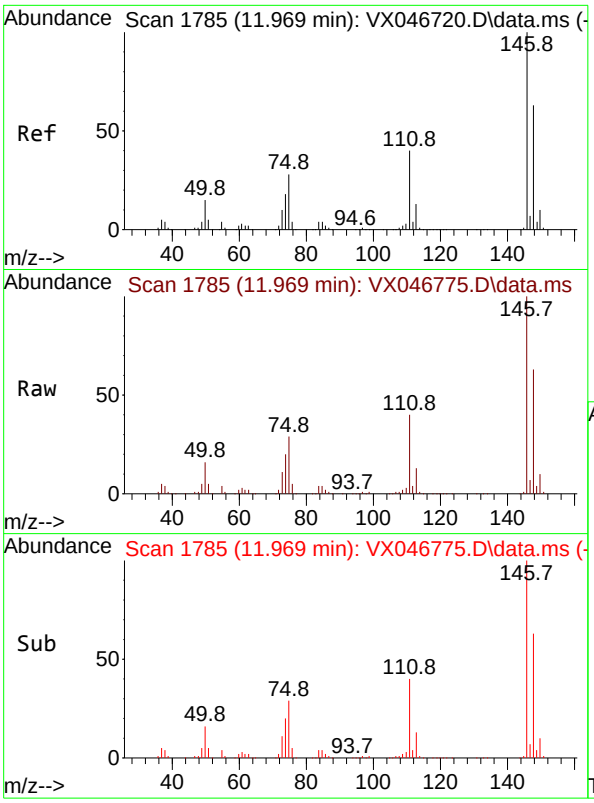




#86
p-Isopropyltoluene
Concen: 51.067 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:119 Resp: 325914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.9 | 38.7 |
| 91 | 24.2 | 12.3 | 36.9 |



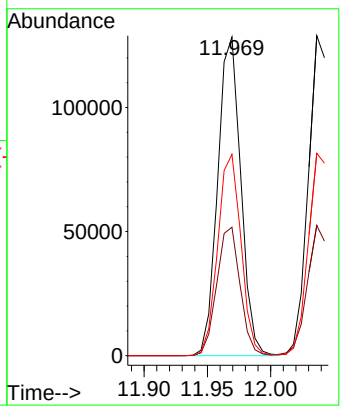


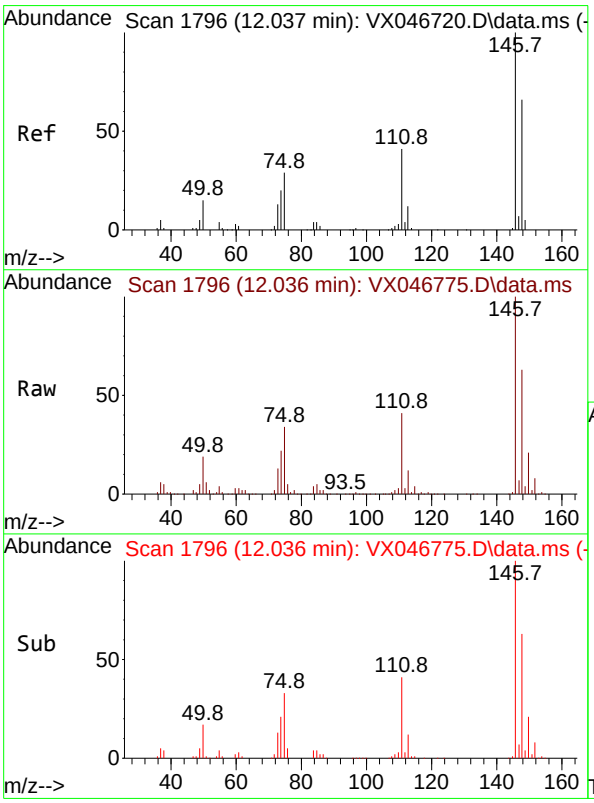

#87
1,3-Dichlorobenzene
Concen: 49.259 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 162851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.6 | 61.8 |
| 148 | 63.7 | 31.6 | 94.8 |

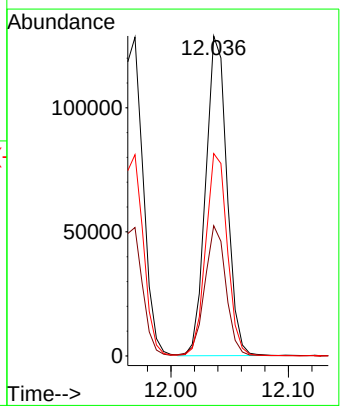


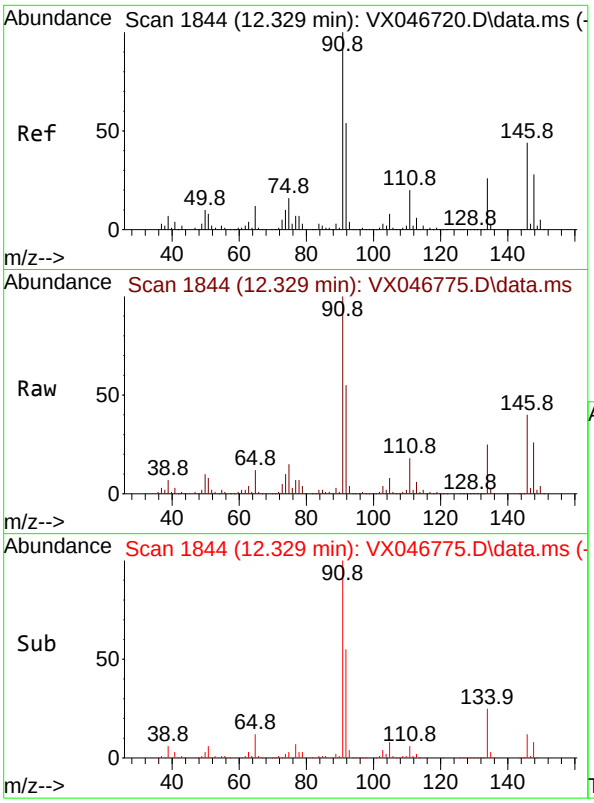




#88
1,4-Dichlorobenzene
Concen: 47.505 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:146 Resp: 161313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.3 | 61.0 |
| 148 | 64.9 | 32.1 | 96.5 |



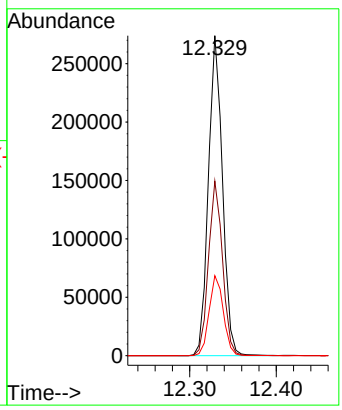


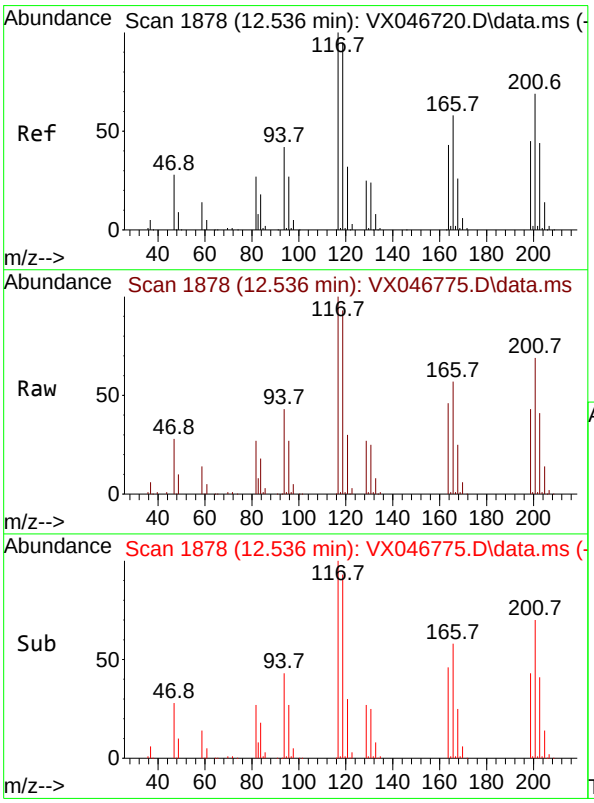

#89
n-Butylbenzene
Concen: 50.967 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 308844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.1 | 81.3 |
| 134 | 25.4 | 12.9 | 38.6 |

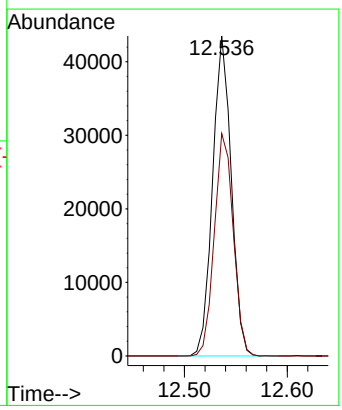


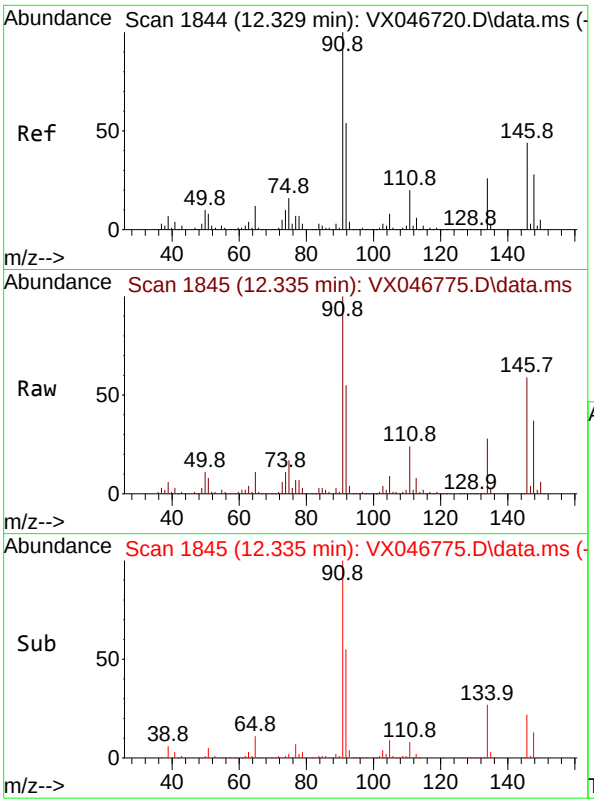




#90
Hexachloroethane
Concen: 48.908 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 54659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.7 | 34.4 | 103.3 |



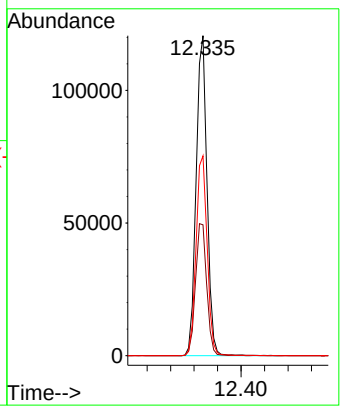


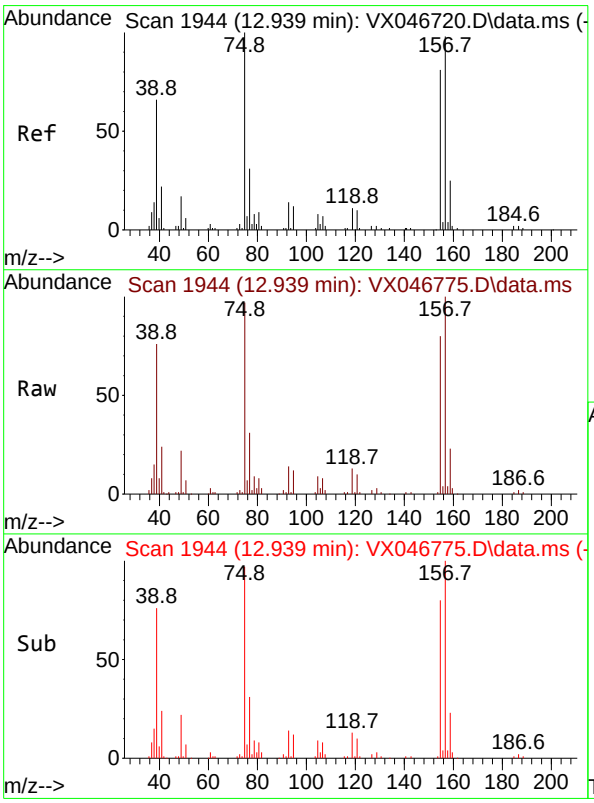

#91
1,2-Dichlorobenzene
Concen: 50.145 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 154918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.7 | 65.1 |
| 148 | 64.1 | 32.0 | 96.2 |

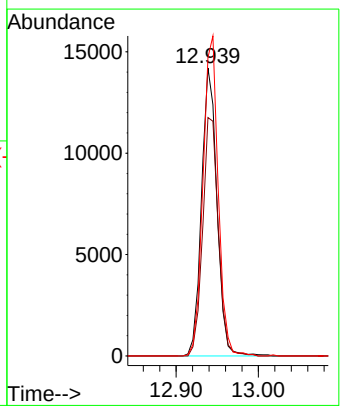


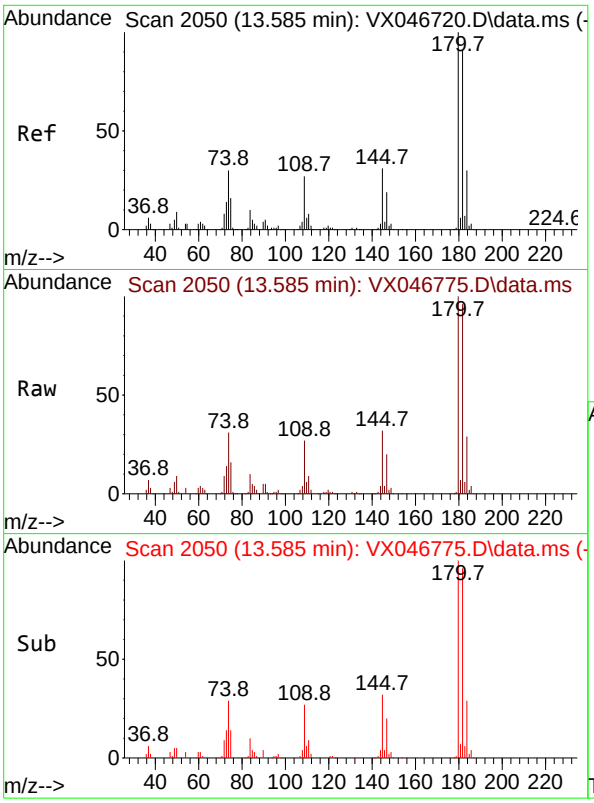




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.738 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 18542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.1 | 41.9 | 125.7 |
| 157 | 109.5 | 51.4 | 154.3 |



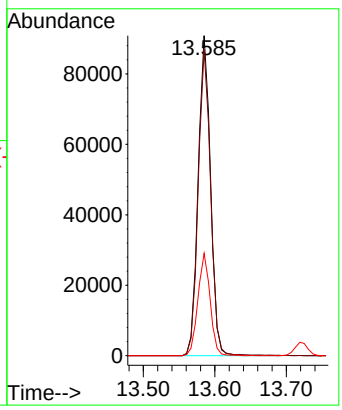


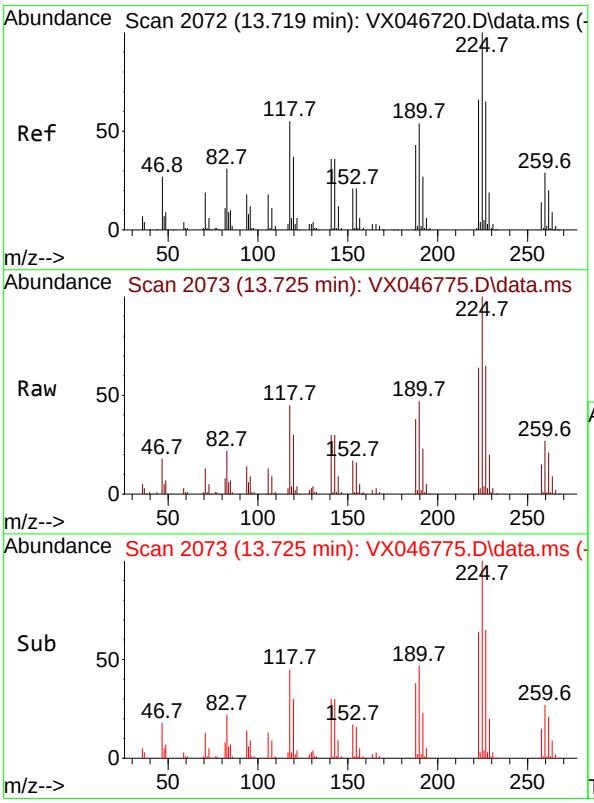

#93
1,2,4-Trichlorobenzene
Concen: 49.769 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 109313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.7 | 140.1 |
| 145 | 31.5 | 15.8 | 47.4 |

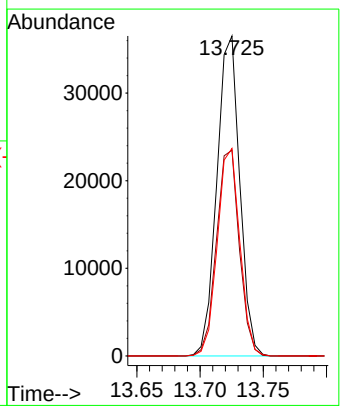


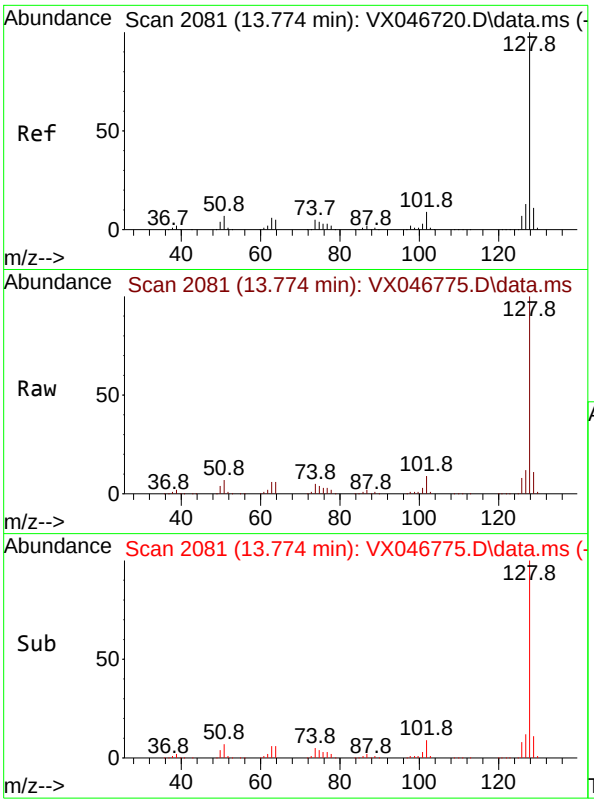




#94
Hexachlorobutadiene
Concen: 49.603 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:225 Resp: 45830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.3 | 32.5 | 97.5 |
| 227 | 63.7 | 32.2 | 96.6 |



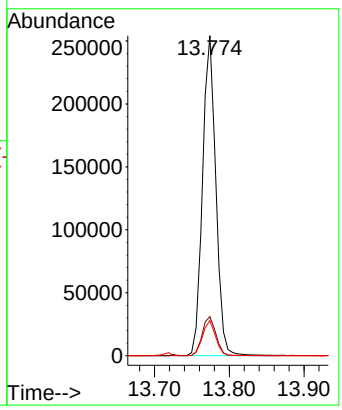


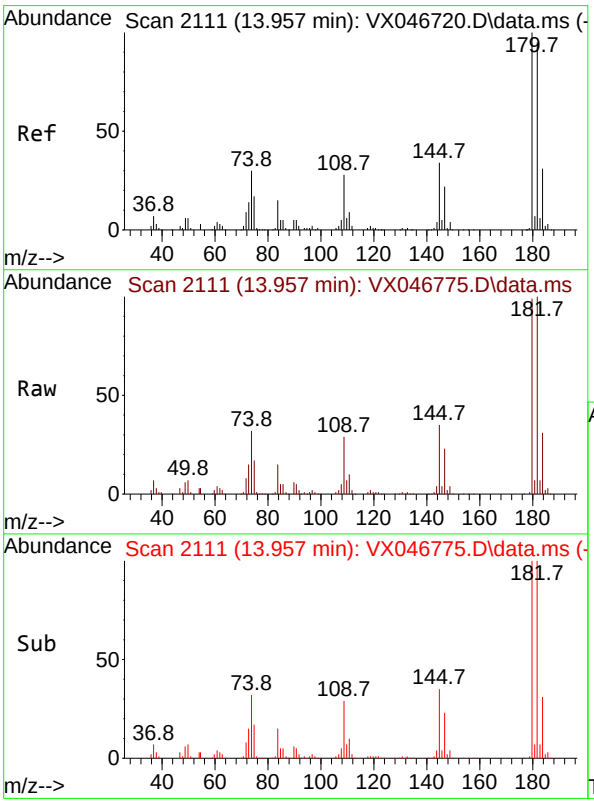

#95
Naphthalene
Concen: 50.093 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 313462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.9 | 8.7 | 13.1 |




#96
1,2,3-Trichlorobenzene
Concen: 50.228 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046775.D
Acq: 19 Jun 2025 17:10

Tgt Ion:180 Resp: 105543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.8 | 143.4 |
| 145 | 33.7 | 17.3 | 51.9 |

